

SOFTWARE OPERATING GUIDE

FUTURA FUTURA *PRO*



vers. 7

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1 FUTURA MODELS - GENERAL INFORMATION

• Futura PRO / Futura

A machine for cutting/decoding keys with standard, laser and dimple cuts and cutting by "Copy by original" of cylinder and automobile keys with standard cuts.

• Futura PRO NA / Futura NA

A machine (for the North American market) for cutting/decoding keys with standard, laser and dimple cuts and cutting by "Copy by original" of cylinder and automobile keys with standard cuts.

• Futura PRO JAPAN / Futura JAPAN

A cutting machine (for the Japanese market) for cutting/decoding keys with standard, laser and dimple cuts and cutting by "Copy by original" of cylinder and automobile keys with standard cuts.

• Futura PRO AUTOMOTIVE / Futura AUTOMOTIVE

Cutting machine for cutting/decoding vehicle keys (cars, motor bikes, trucks, bicycles and relative accessories, etc.) with standard and laser cuts. Cutting by "Copy by original" of vehicle keys with standard cuts.

• Futura PRO TOKEN / Futura TOKEN (Ch.13)

Pay per use" key-cutting machine run on tokens.

Note: please check with Silca whether the token option is available on the version you require.

• FUTURA PRO ENGRAVING (Ch.6)

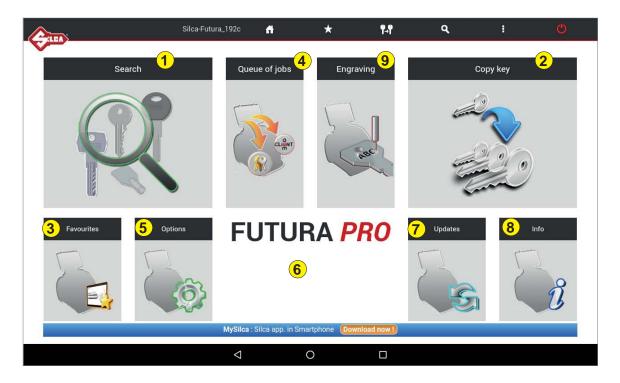
Cutting machine for:

- cutting/decoding keys with the following types of cuts: standard, laser and dimple, or cut by 'Copy from original' for cylinder and vehicle keys with standard cuts.
- engraving on keys (head or neck) or medals, by the special accessories provided.

• PROGRAM START

To start the program tap the icon on the Tablet screen. If the program does not start check the network settings/use (see Ch.7.3.4).

FUTURA PRO



1- Search

Menu used to select a category of Series Searches.

2 - Copy key

This menu is used to make a copy of a key with standard cuts (cylinder or car keys) and laser track cuts (car keys).

3 - Favourites

Menu used to access a series of searches previously set up as favourites.

4 - Queue of jobs

Menu used to run the job queue previously created by the search menu or optional OEM Client menu (optional - Ch.5.2).

5 - Options

Menu used to set up the machine.

6

The name of the machine model being used is shown.

7 - Upgrades

Menu used to update machine software.

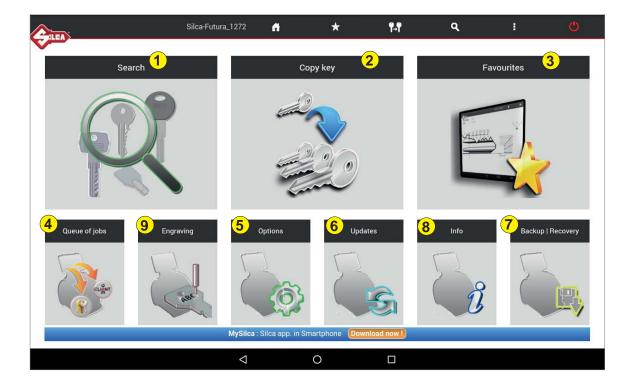
8 - Info

Menu showing machine details.

9 - Engraving

Menu used to engrave keys (head or neck) and medals.

FUTURA



1- Search

Menu used to select a category of Series Searches.

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5 - Options

Menu used to set up the machine.

6 - Upgrades

Menu used to update machine software.

7 - Backup | Recovery

Menu used to save machine data and restore them when necessary.

8 - Info

Menu showing machine details.

9 - Engraving

Menu used to engrave keys (head or neck) and medals.

Sil	ca-Futura_bbe3	ff	*	¶₊¶	۹	:	ப
Silca-Futura_bbe3	Machine ID: sho	ows the name	of the FUTUR	A PRO machine			
A	Initial menu: tap	o the symbol t	o go back to th	e initial menu.			
\star	Favourites: tap	the symbol to	view the data	cards/series sav	ved in the favori	tes menu.	
¶₊₽	Copy by Origina	al: tap the syr	mbol for direct a	access to the "C	opy by Original'	' menu.	
Q	Search menu: ta	ap the symbo	I for direct acce	ess to the "Searc	ch" menu.		
1	Information: tap	o the symbol t	o view informat	ion about the Fl	UTURA PRO m	achine	
C	Turn off machin wait until the gre					•	

CHOICE OF KEYBOARD

When the FUTURA program is started you are required to choose the type of keyboard you will use for entering data.

SILCA Keyboard: smaller keyboard specially designed for the FUTURA program.

Google Keyboard: standard Android Tablet keyboard.

If you have chosen the Silca keyboard you can go back to Android by hitting the key on the Silca keyboard.

1	2	3	4	5	6	7	8	9	0	E.	3	Ē	
q	w	е	r	t	у	u	i	0	р	o,	+ 1	-	<
а	s	d	f	g	h	j	k		ñ	0	۷	۸	¢,
÷	× _	z	x	С	v	b	n	m	, ;			+	
	=			_		0	#	\$	%	&	*		t
					∇	(>	D					믓
													4

Change keyboard

O Italian

0

English (UK)

Google Keyboard

Google Keyboard

Silca Keyboard

• CHANGE PROGRAM LANGUAGE

The default program language is English. To change language go to the **Options** menu (Ch.7), select **Settings** -> **Options** -> **General** -> **Language** and choose the language you require.

<u> </u>		Silca-Futura_bb17	n *	¶-¶	٩	1
Info Calibration Settings Maintenance	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key)	Ceneral Preferences Standard key Preferences Dimple/Track key	Measurement Unit Language Comparatives Beference	Language English		
Upgrades	Network setting		Key Manufacturer	German		
Backup/Restore	Registration			French		
User series	Import hooks position file			💳 Spanish		
				Dutch		
				Portuguese		
				Czech		
				Swedish		
		< 0				

• **MEASURING UNITS**

All the values given in the program for the technical measurements of keys and clamps are expressed in hundredths of a millimetre (default) or thousandths of an inch, according to the measuring unit chosen from the "Options" menu.

• DROP-DOWN MENU



To view this menu on the Tablet scroll from left to right to open the list:

Connect to: used to find the Futura / Futura Pro machine, if there is a LAN connection or Wi-Fi ACCESS POINT.

Reload page: used to reload the page if it is not properly viewed/activated.

Restart Machine: used to restart the machine.

Machine IP address: used to enter the Futura / Futura Pro IP address manually (default is192.168.0.1).

Reset Axes: used to clear the axes on the machine.

Machine Status: used to see connection status between the machine and Tablet.

Change Keyboard: used to select and set the type of keyboard to be used (Silca or Google keyboard)

Machine Registration: used to register the machine when the Tablet is connected to a Wi-Fi network with internet access.

Update FUTURA: used to download new updates for the machine:

- by tablet connected to a Wi-Fi network with access to the internet (Ch.8.2.1).
- by USB PEN DRIVE and PC with access to the internet (Ch.8.2.2).

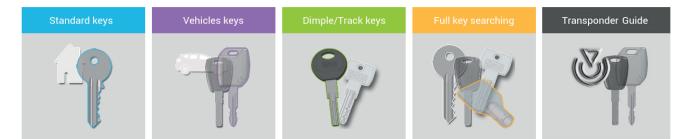
Recovery tools: this function is protected by a password and is for the exclusive use of Silca personnel.

In addition, the Silca App version installed on the Tablet is shown below.

2 SEARCHES



When the Searches menu is opened, the following window appears:



2.1 STANDARD keys

Menu used to make a search restricted to the category flat keys only (e.g.: CS207 - YA31 - UL050 ...). (FUTURA Automotive / FUTURA PRO Automotive versions are excluded).

2.2 VEHICLE keys

This menu is used to restrict a search to the category of standard edge cut and track vehicle keys only (e.g.: HU66P - GT15R - YM28T2 ...)

2.3 DIMPLE / TRACK keys

This menu is used to restrict a search to the dimple/track category of keys (e.g. CS48 - IE15 - AB48 ...). (FUTURA Automotive / FUTURA PRO Automotive versions are excluded).

2.4 FULL KEY SEARCHING

This menu is used to make extended searches not restricted to categories. (FUTURA Automotive / FUTURA PRO Automotive versions are excluded).

2.5 TRASPONDER GUIDE

The Transponder Guide contains all the transponder key copying solutions provided by Silca (Ch.11).

See example of STANDARD keys search flow:

When you enter the STANDARD keys category the following window appears for you to enter the search parameters.

	Silca-Futura_67e2	ñ	*	¶-¶	٩	1	
Standard keys	Insert a searching para	imeter					
Code							
🗐 Card Sn							
YKey blanks							
Key Manufacturer							
Cuts							
Lock Manufacturer							
Lock system							
🗙 Clear 🗸 Search							
	\bigtriangledown	0					

SEARCH Parameters

Code: enter the indirect key-cutting code.

Card / Sn: enter the card number or serial number assigned by Silca.

1

Instacode icon: it's possible to search for a card into Instacode program. On certain versions the function is already enabled. Where it is not enabled it can be requested as an option.

Key blanks: enter the Silca/IIco key blank code or comparative.

Key manufacturer: enter name of key manufacturer.

Cuts: enter number of cuts for the key to be included in the search.

Lock Manufacturer: enter the brand of lock to be included in the search.

Lock system: enter the name of the lock system.

Press "Clear" to delete the entered fields.

After entering one or more parameters, tap the "**Search**" button to start the search. This operation will show the data relating to the lock systems found and information about the Silca/Ilco key blank, if applicable. Tap so on the left-hand side of the page to re-open the Search Parameters window.

See example of VEHICLE keys search flow:

When you enter the VEHICLE keys category the following window appears for you to enter the search parameters.

<u>A</u>	Silca-Futura_67e2	ff	*	¶-¶	٩	ł	Ċ
Vehicles keys	Insert a searching par	ameter					
Vehicle Make							
😝 Vehicle Model							
YEAR FROM •							
Scode							
🗐 Card 🧧 💁 Sn							
Key blanks							
Key Manufacturer							
Cuts							
X Clear ✓ Search							
				-			
	\bigtriangledown		0				

Tap "VEHICLE MAKE"; a guided procedure appears to simplify your search.

Enter the first letters of the MAKE and select the one you require.

Ve	ehicle N	/lake				×
	Α	в	с	D	E	CANCEL SELECT ALL CLOSE
	F	G	н	Т	J	F
	к	L	м	N	0	FANTIC MOTOR
	Р	Q	R	s	т	FERRARI
	U	٧	w	х	Y	FIAT FORD
	z	•	^			FORD (AUS)
	0	1	2	3	4	FORD (BRASIL)
	5	6	7	8	9	FORD EU

Enter the first letters of the VEHICLE MODEL and select the one you require.

Ve	hicle N	/lake : f	FIAT - V	ehicle/	Model	×
	A	в	с	D	Е	CANCEL SELECT ALL CLOSE
	F	G	н	Т	J	P
	к	L	М	N	0	PALIO
	Ρ	Q	R	s	т	PALIO (S.AMERICA)
	U	۷	w	х	Y	PANDA 30 CL
	Z		^			PANDA 30 L
	0	1	2	3	4	PANDA 30 S
	5	6	7	8	9	PANDA 30-34-45

Select the YEAR.

CANCEL	SELECT ALL	CLOSE
	1986-1988	
	1989-1994	
	1995-2002	
	1995-2016	
	2002-2016	

Select the CARD key to access the cutting data card.

			Silca-Futura	∟67e2	A		*	1-1	٩	1	
P	Favourite	Sn	Lock/System -	Profile	Series	Card .	Туре	N* of cuts	INFORMATION	APPLICATIONS	
	ŵ	583	Lancia Lybra (2T-8W)	DE	1-11210	1627	1	8;8;	Lock Manufacturer		
									TRW-SIPEA		-
							-	• <u>3</u>			
,	Key blanks		月					22			
5	SIP18T					_		- C.			
P	Key Manufa	acturer				E CA	RD		Applications		
5	SILCA								ALFA ROMEO		
5	Stem length	h							CITROEN		
	2720								FIAT		
1	Hook positi	ion							IVECO		
1		_							Key blanks		
									SIP18T		
									SIP22ARS1		
									SIP22EH2	Ň	ş
									SIP22EHP	10	=

2.6 DATA CARD/SERIE info

			Sil	ca-Futura_	bbe3	ñ	*	1-1	٩	1
Favourite	Sn	Lock/System +	Profile	Series	<u>Card -</u>	Туре	N° of cuts	INFORMATION	APPLICATIONS	CA
ŵ	7281		BC	1.6032	391	1	5;			
\$	7282		BD	1-6032	391	E.	5;	Lock Manufacturer		1
\$	7283		BA	1-6032	391	1	5;	JPM		
☆	7284		BB	1-6032	391	1	5;			
☆	7285		BK	1-6032	391	1	5;			
\$	7286		BL	1-6032	391	1	5;	Applications CYLINDERS (VARIOUS		1
+- Previou Key blanks			8 Next	*		4	<mark>با</mark> ک	LOCKS (VARIOUS MA	KES)	
CS206			()				~			
Key Manufa	octurer	Yî.	ß			CARD		Key blanks	Real Property in the second	
SILCA						CALLE		AB1	40	
	1							CS206 CS206BZ		
Stem length								CSZUDBZ		

To access the cutting card select the relevant line and tap the "OPEN CUTTING CARD" button.

In the section of the window showing the search results

Favourite Sn <u>Lock/System v</u> Profile Series Card - Type N° of cuts

- Order searches by tapping the arrow next to the relative fields.
- Select a series from those shown, or search for it on the next pages: 2 3 7 Next -
- (\check{C}) Tap this icon to access the "Transponder Guide" (for vehicle keys).
- Select the "Silca" or "User" series:
 - "Silca" is the default icon for viewing Silca series.
 - tap "User" to view the existing user series (Ch.10) associated to the selected card.
- Tap the special field to enter the Hook position: it is automatically saved when the keyboard is turned off.

There are "3 folders" on the right of the screen:

the Futura / Futura Pro key-cutting machine.

14 - SW

INFORMATION: shows information about the lock make, applications and Silca/Ilco key blank. Info about a key can be viewed by tapping the field relating to the key blank.

APPLICATIONS: shows the applications for which this key blank is used: locks, cylinders, vehicle model, etc.

	INFORMATION	APPLICATIONS	CARD
Cyl	linders		
ABI	US		
EC	75/30	AB62	
EC	75/40	AB62	

l

KEY BLANK

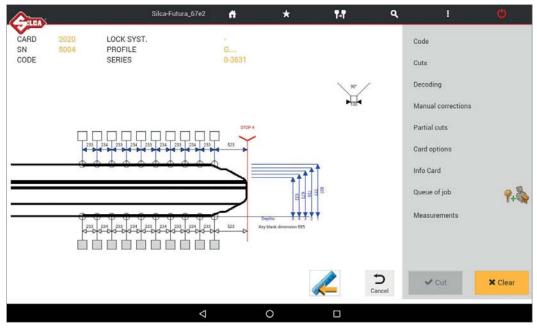
To gain access to additional information regarding the Silca key blank simply tap on the following icon

- List of other Silca key blanks that can be used
- List of comparative key blanks
- List of Brand names linked to the Silca key blank.

		s	ilca-Futura_c43a	*	*	9.9	٩	1
Favourite	Key blank In	formation					APPLICATIONS	CARD
\$								
\$	Alternatives	Comparatives	Lock Manufacture	er				1
\$	Key blank							
\$	UL050							
\$	AB1						_	
\$	UL050E						_	
	UL050H						AKES)	
+ Previous	UL050X						;)	- 2
Key blanks	CS206BZ							
CS206								
Key Manufac								1.4
SILCA							200	
Stem length								1
2700			ol.	2122				
			Cic	ose				
					_	_		
		⊲	(0				
		7	(

2.7 Using a CUTTING DATA CARD

Example:



The screen shows all the technical details relating to the selected cutting card (e.g. **Card**, **SN**, **Profile**, **Series**, **Spaces**, **Depth**, **Cutting angle**).

Tap the Cancel key to go back to the previous screen.

Tap *i* to edit the way to view depths on the card:

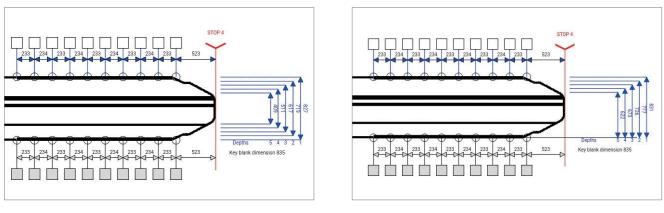


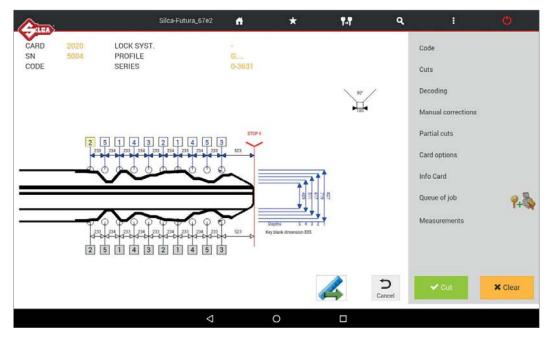
Fig. 1 Depths referring to the "key axis"

Fig. 2 Depths referring to "key back" (i.e. the plate/bottom of the clamp)

Note: this function is only available for two sided symmetrical keys (standard and vehicles).

The list on the right contains the functions listed below:

- CODE: enter the indirect code for cutting the key.
- CUTS: this function is used to enter direct cuts.



• QUEUE OF JOB: If the cut is filled and correct you can save your job in "Queue of Job" by tapping the following icon . (the job can then be done afterwards).

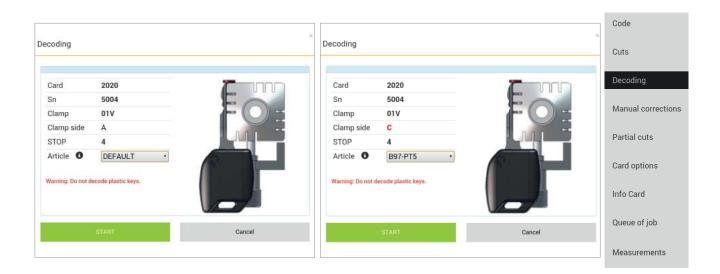
Tap on "Queue of Job" to display the list of jobs available.

• **DECODING:** used to decode the cuts on the original key.

ATTENTION: make sure the key to be decoded is clean.

ATTENTION: anodised aluminium dimple/laser keys, plastic keys or any other key without electrical conductivity CANNOT BE decoded! For these types of keys digit the cuts directly or enter the indirect code if the SSN in use allows it.

Tap "Decoding": information appears regarding the position of the key in the clamp.



SELECT ARTICLE: to solve installation difficulties encountered with symmetrical vehicle keys on side A or B of the standard clamp, the user may select the key blank before decoding the key. In this way the machine will indicate the best side of the clamp (C or D) on which to fit the key and can run the decoding operation successfully.

To continue tap START and perform the operations described on the screen. At the end of the operation tap OK.

To view the decoded measurements and the measurements read on the key, tap "Decoded Values" on the bottom of the screen.

		Nominal value	Depth	Offset
1	2	705	713	-8
2	5	510	513	-3
3	4	575	578	-3
1	3	640	645	-5
5	4	575	584	-9

Then tap "CUT" to cut the key using the combination provided by the previous operation.

Copy key with measurements read: after decoding a key the cuts can be verified and compared to the keys original cuts. If the cuts "Offset" values are significant, it's possible to cut the key by using the measurements just read (not the keys original cuts nominal values that are in the card) by inserting a check "flag" in the appropriate box.

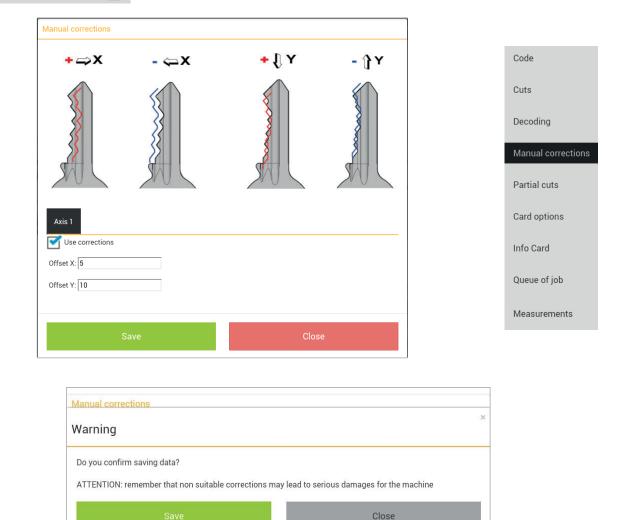
NOTE: when decoding standard keys, you must use the clamp side designated by the software as well as the stop position designated in order to decode the key properly. Use of other clamp positions or stop positions will result in a misread key. Once decoded, should you receive the message "key blank not allowed" or "bad permutation", the key may not have been positioned properly. As a result the software will not recognize the key blank or the depths read will not correspond with any of the codes in the code series database. If you are sure that the proper card and key blank were used, reposition your key and try again.

• MANUAL CORRECTIONS: to enter manual adjustments in the relative fields for X axis and Y axis, activate the "Use corrections" flag, tap "Save" and then "Close".

Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch)

Close the window after it has shown an OK message.

An icon Manual corrections **A** indicates when the manual adjustment is active.



Confirm with "Save".

• **PARTIAL CUTS:** used to make a search for correspondence with the code table (if applicable): enter the known cuts and tap "Search".

artial Cuts			
Symbols	1 2 3 4	5 6 7 _	
Axis	Permutation		
1	5 2	3	
		Search	
Code	Quantity	Axis 1	
BC782	1	5; 2; 3; 1; 1	
BC783	1	5; 2; 3; 1; 2	
BC784	1	5; 2; 3; 1; 3	
BC785	1	5; 2; 3; 1; 4	

Cutting tree: function accessible only from "Partial cuts" and enabled only for Data cards/Series with code tables available. Tap the "Cutting Tree" key to continue.

N° key blanks required: Codes selected:	4 Key n° 1		
Code	Cuts		
Key n° 1			
BC782	52311		
BC783	52312		
BC784	52313		
BC785	52314		
BC789	52324		
BC790	52325		
BC795	52335		
BC796	52336		
BC802	52346		
BC803	52347		
BC853	52357		
BC858	52367		
Key n° 2			
BC786	52321		
Key n° 2			
Que	ue	Close	

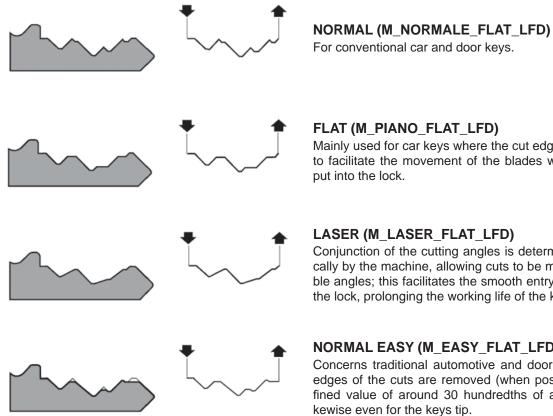
- The list of keys shown in the cutting tree coincides with the list of keys shown in the "Partial cuts" window; however, here the keys are listed according to Groups, Code and Cuts in order to reduce to a minimum the number of key blanks to be used.
- The box at the top of the screen shows the maximum number of key blanks to be used for all the possible cut combinations listed.
- Each Group needs a new key blank to cover all the cut combinations it lists (work down from top). Select the group and/or single code and tap the QUEUE key to place them in the job queue.
- Tap Close, OK, and then Queue of Job.
- The jobs must be carried out in progressive order, starting from the key with the shallowest cuts to those with deeper cuts.

Orda

CARD OPTIONS

		_	Code
ard options		_	Cuts
Axis 1			Decoding
Cut Type	M_NORMALE_FLAT_LFD •		Manual corrections
Cutter	01F •		Destistants
Clamp Key blank dimension	01V *		Partial cuts
Key blank dimension	840		Card options
			Info Card
	Ok		Queue of job
			Measurements

Cut type: alternative cutting methods can be chosen from Flat, Track, Normal, Normal Easy;



FLAT (M_PIANO_FLAT_LFD)

Mainly used for car keys where the cut edges are rounded to facilitate the movement of the blades when the key is put into the lock.

LASER (M LASER FLAT LFD)

Conjunction of the cutting angles is determined automatically by the machine, allowing cuts to be made with variable angles; this facilitates the smooth entry of the key into the lock, prolonging the working life of the key.

NORMAL EASY (M EASY FLAT LFD)

Concerns traditional automotive and door lock keys, the edges of the cuts are removed (when possible) by a defined value of around 30 hundredths of a millimeter. Likewise even for the keys tip.

Key blank dimension: used with the "Use any clamp" function.

Depth removal step (for DIMPLE keys only): this value indicates the amount of material trimmed by the cutter at each passage (example expressed in hundredths of a millimetre).

Measurements

ns

Code

With keys that have SYMMETRIC CUTS the following window would appear:

		Cuts
		Decoding
M_LASER_FLAT_LFD •		Manual correctior
01F •]	Manual concourt
01V *]	Partial cuts
810		Card options
		Info Card
Ok		Queue of job
	01F • 01V • 810	01F ▼ 01V ▼ 810

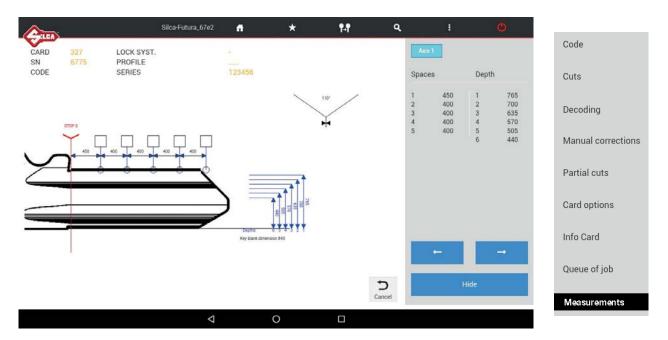
• **INFO CARD:** views information about the clamp, side and stop to be used, cutter and key blank.

Tap the relevant icons 🕄 to see images and part code.

		Silca-LFD b657 🛛 🚜	+ 9,9	<u> </u>	
CARD 391	Card Info				Code
SN 728		01F	0	T T	
	Key blank	CS206	a 0		Cuts
	Clamp	01V	0	P-11-00	Decoding
STOPE	Clamp side	В			Decouning
	STOP	0		Clamp: 01V Part number: D942846ZR	Manual corrections
				ins	Partial cuts
		Ok		[Note]	Card options
		Depths 7654321		Queue of job 9+	oard options
		Key blank dimension 760			Info Card
				Measurements	
					Queue of job
			Ð	✓ Cut X Clear	Measurements
			Cancel		weasurements
		⊲ 0			

• **[Note]:** tap "Note" (when shown) to view data card notes, i.e. further specific information relating to the position of the key or an accessory, etc.

• **MEASUREMENTS:** view information regarding the measurements of SPACES and DEPTH on the card.



2.8 CUTTING STANDARD flat keys (cylinder and vehicle)

To make a cut on the key, tap CUT **cut** : information is shown about the position of the key in the clamp.

Clamp	01V		
Clamp side	A	FO	
Cutter	01F	FOE F	
STOP	2		
Use any clamp	4		
Pieces	1		
Steps	1	Clean the clamp	9-5
START	2	Cancel	

The following can be set:

Use any clamp: if this function is enabled the key to be cut can be positioned on a clamp side different from default. The function is used to acquire the measurement of the key blank (stem width) in order to adapt cuts to the key blank being used. It is applied automatically only to keys with double symmetrical sides.

ATTENTION: option valid for CUTTING only (NOT DECODING).

NOTE: activating the "Use any clamp" allows the user to clamp the key in any jaw position (i.e. clamping the keys profile on side C or D) when cutting a key by code. Regardless of the jaw position used, the stop position designated by the software must be used. This function is only available when cutting two symmetrical sided standard keys. When this function is enabled cuts cannot be repeated on a key already cut.

Pieces: indicates how many keys you wish to cut.

Steps: used to edit the default number of passes during key cutting (max +2). The value is memorised once it has been edited.

2.9 Cutting DIMPLE/TRACK/TUBULAR keys and CUTTING SPEED

To make a cut on the key, tap CUT **cut** : information is shown about the position of the key in the clamp.

1) For DIMPLE keys

Cutting speed change (relates to carriage advancement).

NOTE: the default value set by Silca is 100.

To change the Silca settings, tap the required value:

- With a value of 110 (the carriages will advance at a speed 10% higher than the default setting).
- With a value of 90 or 80 (the carriages will advance 10% or 20% more slowly than the default setting).

Cut Dimple/Track key - Card: 869, Sn: 100	
Clamp: 01R-01J-02J Clamp side : A	
Cutter: 01D STOP: 0	
Pieces: 1 Velocità di taglio 100% (SILCA)	
80 90 100 110	- P.
START	Cancel
	Canal Canal K Clear
	Clamp: 01R-01J-02J Clamp side : A Cutter: 01D STOP: 0 Pieces: 1 Velocità di taglio 100% [SILCA] 80 90 100 110

2) For TRACK keys

(

Steps: used to edit the default number of passes during key cutting. The value is memorised once it has been edited.

	Clamp	01R-01J-02J			
	Clamp side	A			
	Cutter	06L		P.A.	
	STOP	2			
	Pieces	1			
	Steps	2		_	
	Cut Speed	100% [SILCA]	(evercause)		9
-	80 90	0 100 110		Clean the clamp	
		START	Cancel		
		START	Cancel		

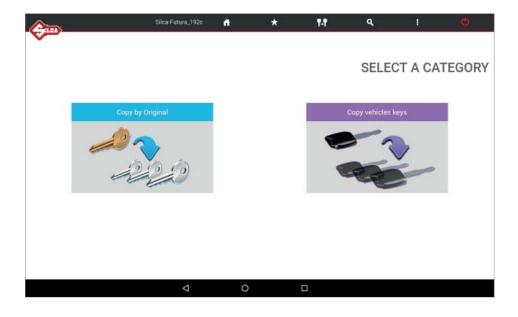
The following can be set:

Pieces: indicates how many keys you wish to cut.

Press START to begin the procedure.

3 COPY KEY





COPY BY ORIGINAL

This function is used to copy keys with standard cuts, using a laser reader as an optic reader device.

COPY VEHICLES KEYS

This function is used to copy vehicle keys with standard or laser track cuts, by means of facilitated searching.

3.1 COPY BY ORIGINAL



This operation can be used only for the types of keys cut on clamp 01V.

The "Copy" procedure is divided into two steps: first load the original key to be read into the clamp 01V, once the key has been read, remove the original and load the key blank to be cut.

A	Silca-Futura_bbe3	4	*	¶-¶	٩	J.
~						
Clamp D1V						
	FOL					
Clamp side						
A						
Cutter						
01F						
Stop						
0						
Cutter entrance before STOP 0						
	Clean carefully the Optical Reader					
🗙 Clear	🗸 Read					
	⊲ ()				

In the Left-hand Part of the screen:

- Select the clamp side (A-B-C-D) to be used for reading and cutting the key.
- Select the type of Stop involved (0-1-2-3-4)
 - in the case of Stop 0 the gauge is used to align the key stop
 - with Stops (1-2-3-4) a bar is used to align the stop with the key tip.
- The Distance field is used when the stop selected is 1-2-3-4 and there is an indication of the point at which the optic reader will start reading the original key. Normally this point equals Stop 0 which refers to the position of the gauge/key stop.

Range [0 / -400 hundredths of mm] => insert only NEGATIVE value.

NOTE: clean the optic reader carefully with the brush provided before starting the "Copy by Original" procedure.

When the key has been read, the following can be set:

GUER	Silca-Futura_67e2	A	*	₽₊₽	٩	1	ů
Clamp 01V Clamp side A • Cutter 01F Stop 0 • Cutter entrance before STOP 0	Clean carefully the Reader	e Optical	Clamp x 0 Depth remo 250 Pieces 1	Y 0		Copy	
	\triangleleft	C)				

Manual adjustments

Manual adjustments can be made to Y and X only if strictly necessary.

Positive value of Y: move cut closer to stop.

Negative value of Y: move cut away from stop.

Positive value of X: lower the cut.

Negative value of X: raise the cut.

Adjustments admitted: -30 to +30 hundredths of a millimetre. Press "Save" to confirm.

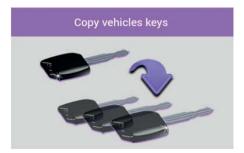
Pieces: indicates how many keys will be cut.

Remove the key just read from the clamp and load the key blank to be cut, positioning with the same Stop and Clamp Side used during the reading process.

Tap "Copy" to start key cutting.

NOTE: the Copy by Original function will cut the key exactly as read if no manual adjustments are made. If you are copying a worn key and do not make manual adjustments, the cut key will be an exact duplicate of the original worn key. To copy a worn key back to OEM specifications you should use the "Search" function to identify the card or code series used for the original key. Once the proper card is opened, select "Decoding" on the right side of the card menu. This will measure the cuts based on the depth data used by the OEM and the software will make adjustments to the depths measured and cut the duplicate key back to OEM specifications.

3.2 COPY VEHICLES KEYS



Searches are made by MAKE -> MODEL -> YEAR

In that order:

- After confirming the "Make", the "Model" field activates;
- After confirming the "Model", the "Year" field activates.

The search has a filter to speed up results (digit the initial letter of the make or model).

When a field is highlighted in green it means at least one of the keys included has an associated hook position (see Ch.7.3.5).

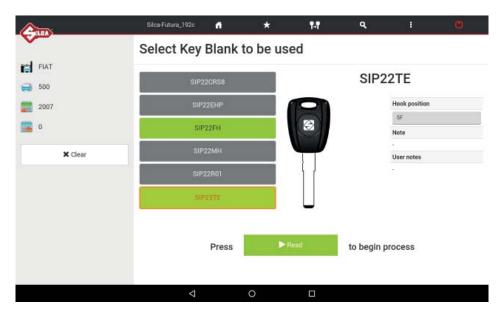
Example: FIAT -> 500 -> 2007

	Silca-Futura_192c	đ	*	¶-¶	٩				Ö
	Vehicle Ma	ke					← Back	i.	
Vehicle Make		1111-1111			А	в	с	D	E
🚽 Vehicle Model		ABAR	гн						
Year from	ACM				F	G	н	1	J
Year to	ACURA				к	L	м	N	0
X Clear	AIRC	RAFT (VARI	DUS MAKES),		Р	Q	R	s	т
		AIXAM (MICF	IOGARS),		U	۷	w	х	Y
		ALFA RO	MEO		z	0	1	2	3
		AMERICAN I	MOTORS		4	5	6	7	8
		APRILIA (C'	(CLES),		9	ş	-	^	2
		ARO DA			+	DELE	TE	SP	ACE

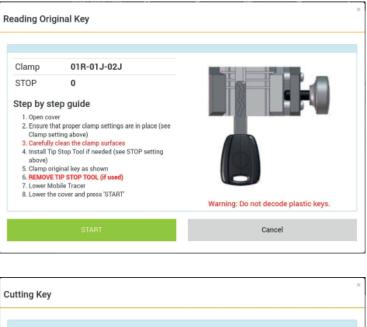
A	Silca-Futura_192c	đ	*	¶-¶	٩		3		Ø
	Vehicle Ma	ke					← Back		
<u>F</u>		FIAT			А	в	с	D	E
Vehicle Model		FORD			F	G	н	1	J
Year to		FORD (BR4	ASIL),		к	L	м	N	0
X Clear		FORD AUST	RALIA		Р	Q	R	s	т
		FORD EUR	IOPE		U	۷	w	х	Y
	F	ORD SOUTH (AMERICA		z	0	1	2	3
		FORD U	SA		4	5	6	7	8
					9	ş	-	^	22
					+	DELE	TE	SP	ACE

A ITA	Silca-Futura_192c	đ	*	14 1	٩				٥
	Vehicle Mo	del					← Back	í.	
FIAT		500			А	в	С	D	E
Year from					F	G	н	1	J
Year to					к	L	м	N	0
× Clear					Р	Q	R	s	т
					U	v	w	х	Y
					z	0	1	2	3
					4	5	6	7	8
					9	3	-	^	2
					+	DELE	TE	SP	ACE

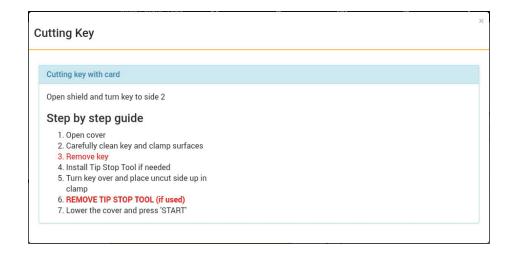
	Silca-Futura_192c	A	*	¶-¶	٩				Ø
	Year from -	Year	to				← Back	6	
FIAT		200	7		А	в	с	D	E
500 Year from		2012 -	10 martin		F	G	н	T	J
Year to	-				к	Ĺ	м	N	0
× Clear					Р	Q	R	s	т
					U	v	w	х	Y
					z	0	1	2	3
					4	5	6	7	8
					9			^	2
					+	DELE	TE	SP	ACE
	<		0						



When the READ key has been hit, the sequence of operations is shown, with a drawing of the clamp and jaws to use and the Stop in use for the key in question. Tap START to continue.



Cutting Key	
Clamp 01R-01J-02J Cutter 02L STOP 0 Pieces 1 Step by step guide 1. Open cover 2. Raise the Mobile Tracer 3. Remove customer kay 4. Carefully clean the clamp surfaces 5. Install Tip Stop Tool if needed (see STOP sabove) 6. Clamp new key as shown 7. REMOVE TIP STOOL (if used)	
8. Lower the cover and press 'START'	Clean the clamp
START	Cancel



Example: TOYOTA -> YARIS -> 2011

<u> </u>	Silca-Futura_192c	4	*	1-1	٩		3		Ø
	Vehicle Ma	ike					← Back	i.	
T		тоуот	Ä		A	в	с	D	E
Vehicle Model	APAAL ATOYOT				F	G	н	1	J
Year to	TOYOTA USA				к	L	м	N	0
🗙 Clear		TRABA	NT		Р	Q	R	s	т
	TRA	CTORS (VARIA	DUS MAKES),		U	v	w	х	Y
		TRIUM	РН		z	0	1	2	3
		TRIUMPH (C	YCLES),		4	5	6	7	8
	TRI	JCKS (VARIO	US MAKES),		9		-	^	
		TRUCKS	USA		+	DELE	TE	SP	ACE

	Silca-Futura_192c	đ	*	¶-¶	٩		1		O
~	Vehicle Mo	del					← Back		
	1.00	VAR	IS		A	в	с	D	E
A Y	-	YARIS	i IA		F	G	н	1	J
Year to					к	L	м	N	0
× Clear					Р	Q	R	s	т
					U	v	w	х	Y
					z	0	1	2	3
					4	5	6	7	8
					9		-	^	1
					+	DELE	TE	SP	ACE

<u> </u>	Silca-Futura_192c 🔥 🛨	¶.¶	٩		1		٥
`	Year from - Year to				← Back		
τογοτα	1999 - 2005		A	в	с	D	E
YARIS		-	F	G	н	i.	J
Year from			к	L	м	N	0
🥻 Year to	2007 - 2011					s	т
X Clear	2011-2014		P	Q	R		
	2012 - 2014		U	V	W	X	Ŷ
	2015 - 2018		z	0	1	2	3
			4	5	6	7	8
			9	3	-	^	2
			*	DELE	TE	SP	ACE
	⊲ 0						
^- .	Silca-Futura_192c 👫 🛨 🛨	¶.¶	٩		1		Ö
	Select Key Blank to be us	ed					
ΑΤΟΥΟΤΑ			-				
VARIS	10040406		TOY	43A	TE		
2011	TOY43CRS7N			Hod	ok positio	n	
2014	TOY47TE	8		Not	e		
X Clear				Use	r notes		
				3			
		U/					
	Press	ead	to begin		855		
	11000	in and	to begi	, proc	000		
	⊲ 0						

When the READ key has been hit, the sequence of operations is shown, with a drawing of the clamp and side to use, and the Stop in use for the key in question. Tap START to continue.

Clamp	01V	
Clamp side	C	
STOP 3. Open cover 2. Carefully clean the clar optical reader 3. Rotate clamp to side C 4. Install tip stop tool in t 5. Clamp original key will	he right position	

Cutting Key		
Clamp	01V	
Clamp side	С	
STOP	4	
Pieces Step by step guide	1	
1. Open cover 2. Remove customer ke 3. Install tip stop tool in 4. Clamp key blank with Tool 5. Remove Tip Stop Too	y the right position tip of key against Tip Stop	
6. Lower the cover and		CANCEL

opy key	
Copy key	
Cutting completed	
Steps to cut the same key again	
1. Open cover	
2. Remove customer key	
3. Install tip stop tool in the right position	
4. Clamp key blank with tip of key against Tip Stop	Tool
5. Remove Tip Stop Tool	
6. Close cover	
7. Copy completed.	
Press Repeat to cut more copies or side 2	
	Repeat

4 FAVORITE'S

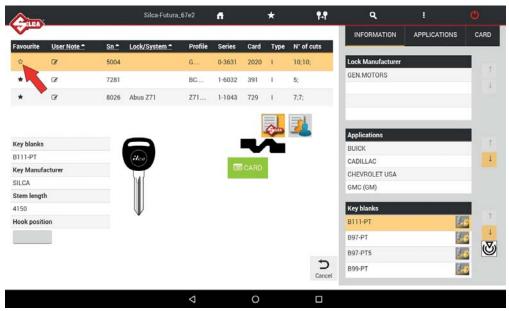


The FAVORITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys, Dimple/Track keys). Saving data cards to the favorites menu will eliminate the time spent searching for frequently used cards.

For each data card a description can be written in the special field in the "User Note" column.



To select data cards to be included in the Favorite's menu tap the star symbol x in the first left-hand column of the Search menu; the symbol will be highlighted in black.



To remove a data card in the Favorite's menu, tap the relevant star symbol, which will go back to white.

5 QUEUE OF JOBS

The "Queue of Jobs" collects all the jobs (the keys) the user prefers to do later. See on page 17 how to move a job in this "Queue of Jobs".

5.1 "STANDARD" QUEUE OF JOBS

-			SSI								
1	Stand ID ©	Description ©	Code ¢	P	*		m	Article ¢	Date mod	dified \$	
	12	2020	G			0	1		05/10/20	017, 12:18:24	i
Z	14	Abus EC75 30-40 RH EC 635	D8		0		1	AB62	05/10/2	017, 12:24:02	
lob Ty	rpe	Card No.	Series No.	Cuts			Text	Model	Status	Quantity	
		1766	635	Axis 1 : 1; Axis 2 : 0;					Queued	0/1	
	16	Cisa Astral CS62 (6+7)	(XN005710)	0			1	AB48	05/10/20	017, 16:16:05	i
	16		(XN005710)		1,0,1,1,0		1	AB48	05/10/20	117, 16:16:05	

- Select one or more jobs using the "Select All" button, or tap the 🗹 box.
- To see other job details, tap the single row.
- To delete the selected jobs, tap "Delete Jobs".
- To edit the number of keys to be cut in the selected jobs, tap "Modify Pieces".
- To start cutting the selected jobs, tap "Start".

ICON LEGEND

Total number of keys to be cut

Number of DIMPLE cuts already made

Number of STANDARD cuts already made

- Number of ENGRAVINGS already done
 - Identifies DIMPLE cuts
 - Identifies STANDARD cuts
- Identifies ENGRAVING

Extra information

5.2 "OEM" QUEUE OF JOBS (only with OEM CLIENT function enabled)

C.LEA		Silca-Futura_67e2	A	* 1-1	٩	1	Q
ueue of	jobs	← Back	OEM Management	• Deselect All 🕀	Delete 🗎 Updat	te 2 History	Q Start 🕨
Standard	OEM	SSI					
1 Creation da	ate ¢ System No. ¢	Key No. ≑	Article \$	N N		Date modified ‡	Run.No. ‡
23/07/201	7. CP4	F000101		0	1	23/07/2017, 10:41:03	1 i
lob Type Desc	ription	Text	t Mode	Statu	5	Quantity	
C6L F	F000101			Queu	ed	0/1	

OEM jobs are copies of keys regulated by the manufacturer (OEM) through the OEM CLIENT function:

- the manufacturer provides the information needed to cut the key.
- the manufacturer confirms the number of copies to make.

When users have been authorised by the manufacturer and enabled by Silca, they can use the OEM CLIENT function to request and/or receive the data needed to cut the key and save them in the special OEM QUEUE. The OEM QUEUE function will guide the user through all the operations required to cut the key in a controlled, easy way.

According to the decision of the manufacturer, the jobs ordered may include:

- a job to engrave a code on the head or stem of a key blank.
- one or more cutting operations.

The user must carry out all the jobs defined by the manufacturer and follow instructions to the letter. If an ENGRAVING job is included in the queue the user must have already created an ENGRAVING model with the same name and characteristics as the one proposed by the manufacturer. Otherwise no engraving job will be created. See the ENGRAVING section of the Software Guide (see Ch.6).

5.2.1 OEM CLIENT function activation

- Users who wish to use the special OEM CLIENT function must make a request to both the manufacturer and Silca. Consult the Silca sales network for information regarding which manufacturers allow this function to be used.
- When users have been authorised by the manufacturer and have applied to be enabled by SILCA they must unlock the OEM CLIENT function on board the machine by downloading a specific software update for their own FUTURA cutting machine.
- After the software update, check that enabling has been activated by selecting the INFORMATION window and checking the ENABLE OEMs section (Fig. 3).

	Silca-Futura_676	2 🖪	*	¶₊¶	٩	1	Ö
info	Machine data		SOFTWARE C	perating Guide		23/7/2017 09:57:	30
Calibration	Program name FUTURA PRO					20/11/2011 03:01:	
Settings	Upgrade Version						
Maintenance	Program due date	-					
	Program Version	3.3.80					
Upgrades	Dimple/track key Database Version	4.01					
Backup/Restore	Standard key Database version	4.01					
	Licence version	0.0					
User series	Upgrade enabled	LD: 1/2017	F: 1/2017 QUEUE: 0/	0000 CMK: 1/2017			
Code Maker	Enable OEMs	OEM MOTTU	RA: 1/2017				
	Machine Info Model		0				
	Machine ID	FUTURA PRO)				
	Serial Number	1153181182	202				
	Mac-Address		202 57:e1 - 00:21:f3:06:6				
	IP Address		- 192.168.0.1	.ez			
	Hardware Version	4.0	- 192.100.0.1				
	Firmware Version	1.4					
		1.4					
	Card Info						
	Standard keys cut	5					
	Dimple/track keys cut	13					
	<		0				

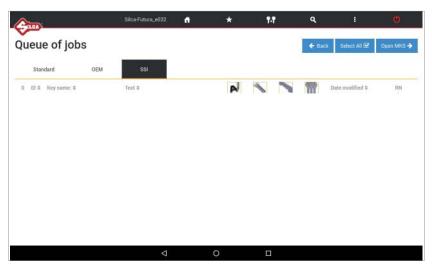
Fig. 3

IMPORTANT: for further details provided by each manufacturer about machine configuration and key cutting, consult the ONLINE HELP available in the 'OEM QUEUE'-> "OEM Management" section.

5.3 "SSI" QUEUE OF JOBS

SSI jobs refer to master key systems (MKS). A .DAT or XML KESO file that can be imported to the machine by a USB PEN (FAT32) is required.

Insert the USB PEN containing the file/s into the key-cutting machine port. Tap 'Open MKS"



Select the required file and tap 'Next'".

SSI: File selection					
/tmp/usb/2368_T10P-T12P (6+6)TEST_50	D.DAT Type of fi	.,	Back ile import procedure . Insert the USB Update button. . Select the file te	PEN into the Fu	aress the
Refresh					

When the file has been properly imported, tap 'Next'".

<u>Aun</u>	Silca-Futura_e032	4	*	¶-1	٩	1	Q
SSI: Chec	king MKS file						Back Next
Info about imported P	/KS system			Info about	data card		
MKS system [T05]	BAM990			Data card	2368		
Customer [T02]	Cliente A			Direction:	Head -> Tip		
Notes:	LOCKBASE 2.707.01						
File name:	2368_T10P-T12P (6+5)TEST_500.DAT						
MKS file valid							
			0				

Fil	ter	From ID	to ID Key name: 500	show only selected items		show only items not sent	
~	ID	Key name:	[T00] Marking	[T01]Profile/[T10]Cour	ter	Quantity	Note
1	29	Profile 1 T10P-T12P	1000	Profile 1		1	
1	30	Profile 1 T10P-T12P	1000	Profile 1		1	
1	31	Profile 1 T10P-T12P	1000	Profile 1		1	
1	32	Profile 1 T10P-T12P	1000	Profile 1		1	
1	33	Profile 1 T10P-T12P	1000	Profile 1		1	
1	34	Profile 1 T10P-T12P	1000	Profile 1		1	
/	35	Profile 1 T10P-T12P	1000 - Previous 1 4	Profile 1 5 6 72 Next		1	

"MKS - Name" identifies the master key system and system name assigned by whoever generated the file.

Select the keys (lines) to be processed, and then tap "Send to SSI queue".

Note: to select all the lines on a page	, tap/check the left-hand ID box	V	ID

Tap "Add" to send the jobs to the SSI queue.

Attention		×
Press Add to add the selected rows to the existing queu Press Overwrite to cancel the current SSI queue and cre		
Add	Overwrite	

	Stan	dard	OEM	SSI						
0	ID ¢	Key name: \$		Text 0	P	*	1	11	Date modified \$	RN ©
	4	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
כ	5	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
0	11	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
כ	12	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
0	18	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
כ	20	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	
	20	Profile 1 T10P-	T12P		0	0	0	1	01/06/2018, 11:49:19	

After the codes have been sent to the key-cutting machine, you can then select others. Tap "Open MKS". *Note: the lines of keys already sent at least once to the SSI queue are highlighted in green.*

Filter	From ID 1	to ID Key name: 500	show only selected items	show only items not	sent
ID	Key name:	[T00] Marking	[T01]Profile/[T10]Counte	r Quantity	Note
1	Profile 1 T10P-T12P	1000	Profile 1	1	
2	Profile 1 T10P-T12P	1000	Profile 1	1	
3	Profile 1 T10P-T12P	1000	Profile 1	1	
4	Profile 1 T10P-T12P	1000	Profile 1	1	
5	Profile 1 T10P-T12P	1000	Profile 1	1	
6	Profile 1 T10P-T12P	1000	Profile 1	1	
7	Profile 1 T10P-T12P	1000	Profile 1	1	
		- Previous 1 2	3 72 Next		

To facilitate a search for keys not yet sent to the SSI queue, tap/check "show only items not sent" and tap "Filter".

Filter		From ID	to ID 500	Key name:		show only sele	ected	show only items no	ot sent 🖌
	D	Key name:)	[T00] Markir	ng	[T01]Profile/[T	10)Counter	Quantity	Note
1		Profile 1 T10P-T12P		1000		Profile 1		1	
] 2		Profile 1 T10P-T12P		1000		Profile 1		1	
] 3		Profile 1 T10P-T12P		1000		Profile 1		1	
6		Profile 1 T10P-T12P		1000		Profile 1		1	
7		Profile 1 T10P-T12P		1000		Profile 1		1	
8		Profile 1 T10P-T12P		1000		Profile 1		1	
] 9		Profile 1 T10P-T12P	- Previous	1000		Profile 1 71 Next		1	

To facilitate a search for keys already selected, tap/check "show only selected items" and tap 'Filter".

Filt	er	From ID 1	to ID 500	Key name:	1	show only select items	ed	1	show only items not a	ent
2	ID	Key name:		[TOO] Marking		[T01]Profile/[T10]Counter		Quantity	Note
	1	Profile 1 T10P-T12P		1000		Profile 1			1	
2	5	Profile 1 T10P-T12P		1000		Profile 1			1	
1	б	Profile 1 T10P-T12P		1000		Profile 1			1	
elect (engravir	ig model							Keys sent to SS	l queue

Engraving can also be run for or associated to each key, as long as a User model has already been created. Select the key, select the "Engraving Model" and tap "Send to SSI queue". Example:

Filb	er	From ID	to ID Key name:	show only selected items	show only items not sent
	ID	Key name:	[T00] Marking	[T01]Profile/[T10]Counte	er Quantity Note
	15	Profile 1 T10P-T12P	1000	Profile 1	1
	16	Profile 1 T10P-T12P	1000	Profile 1	1
	17	Profile 1 T10P-T12P	1000	Profile 1	. 1
	18	Profile 1 T10P-T12P	1000	Profile 1	1
	19	Profile 1 T10P-T12P	1000	Profile 1	1
	20	Profile 1 T10P-T12P	1000	Profile 1	1
	21	Profile 1 T10P-T12P	1000	Profile 1	1
			+ Previous 1 2 3	4 72 Next	
ect e	engravin	g model	test •		Keys sent to SSI queue

<u>Aun</u>	<u>8</u> -	Silca-Futura_e032	ń	*	Ű.	141	٩		1	O
Queu	e of jobs		🗲 Back	Select All 🗹	Delete J	lobs 🖻	Modify Pie	ces 🗹	Open MKS 🔶	Start 🕨
Stan	idard OEM	SSI								
□ ⁵	Profile 1 T10P-T12P			0	0	0	1	01/06	/2018, 12:15:19	i
0 "	Profile 1 T10P-T12P			0	0	0	1	01/06	/2018, 12:15:19	i
□ ¹²	Profile 1 T10P-T12P			0	0	0	1	01/06	/2018, 12:15:19	i
3 18	Profile 1 T10P-T12P			0	0	0	1	01/06	/2018, 12:15:19	i
lob Type	Cuts		Model	Quantity		Card I	No.		Status	
424			test	0/1		236	8 🗷		Queued	
	Axis 1 : 2;3;1;4;2;5 Axis 2 : 1;1;2;1;3			0/1		236	8 🕑		Queued	
□ ²⁰	Profile 1 T10P-T12P			0	0	0	1	01/06	/2018, 12:15:19	i
		<		0	I	1				

6 ENGRAVING

The ENGRAVING function software comes free for all FUTURA PRO and FUTURA key-cutting machine models.

The function is enabled by default. To disable and to hide certain engraving keys and fields, edit the parameter in the section:

OPTIONS menu -> Settings -> Options -> Preferences DIMPLE/TRACK keys

The ENGRAVING function requires the following accessories:

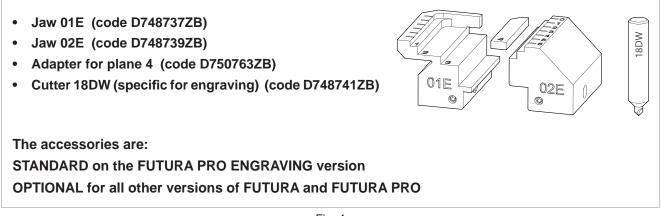
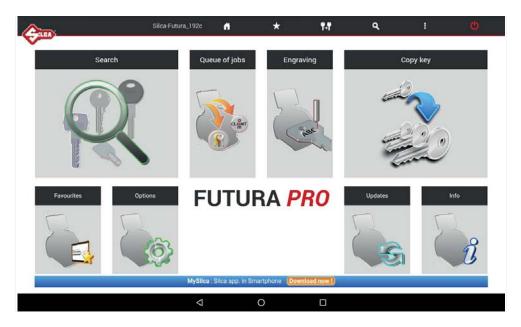


Fig. 4

Select the ENGRAVING icon to enter the list of ENGRAVING MODELS created by the User.



S	ilca-Futura_67e2 👫	*	¶ - ¶	٩	:	Ø
User Engraving Model	S				+ Back	+ New Model
Preview	Model Name					
(\cap)	CS62				C Modify	圈 Delete
	CS62 TEST				🕼 Modify	Delete
SILCA Italy	ISEO				C Modify	Delete
	ISEO2				G Modify	自 Delete
	кз				C Modify	🛱 Delete
	K3 like				C Modify	🔒 Delete
h a N d	SCM3RP				C Modify	🔒 Delete
պոր	TONDO				C Modify	🔁 Delete
	\bigtriangledown	0				

This makes it possible to:

- CREATE a new User Model
- MODIFY a User Model
- DELETE a User Model

Tap 'New Model' or 'Modify' to enter the User Model Editor function.

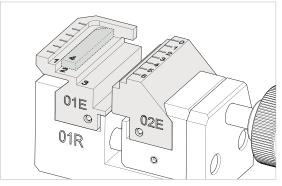
(ALLER)		Silca-Futura_67	7e2	f		*		¶-¶		۹	1		
User Mode	l Editor									← Back	Save 3	Engrav	ring 📐
	0					Model Na	ime C	S62 TEST		Clamp	01R-01E	-02E •	• •
		\mathbf{D}				Cutter	1	8DW	• 0	Flat side	2		• 0
		φ				Depth Engraving	1	0	0	Thickness Key	300		1
	1	LCA				Key blan				,			
						 Silc 	a key bla	ank	CS62				
						O Cus	stomised		2335		4000		
						G Row	/s of tex	t			Ĵ Front	+ Ad	d a row
						Row	Text						
						1 3	SILCA			Token 🗮	ź	1	8
	Ц			_		2	Italy			Token 🗮	±	1	Ø
1	X Y	-1060		-									
- 0 -	Angle	360	1 -	e	1+								
4	Width	2120		-									
	Height	200	1.1	11 L									

The ENGRAVING model defines all the parameters the machine requires to engrave a text on a key head or stem or on flat surfaces such as medals or metal plates.

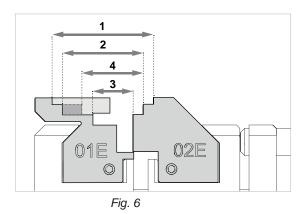
ATTENTION: objects MUST BE METAL, NOT STAINLESS STEEL. Materials such as wood, paper, plastic and ceramics cannot be engraved. Make sure the surface of the object to be engraved is flat.

Model creation procedure:

- GENERAL PARAMETERS
- Assign a Model Name
- Select a clamp (default: 01R-01E-02E)
- Select a cutter (default: 18DW)
- Set engraving depth (default 10 hundredths of a millimetre)
- Set Thickness for the key or object to be engraved (max 520 hundredths of a millimetre)
- Select the PLANE on which to fit the object to be engraved, according to its dimensions.







PLANE	WIDTH of the object to be engraved	ENGRAVING AREA (L x H)
1	min 26 - max 32 mm	32 mm x 40 mm
2	min 20 - max 26 mm	24 mm x 36,5 mm
3	min 8 - max 14 mm	12 mm x 36,5 mm
4	min 14 - max 20 mm	18 mm x 36,5 mm

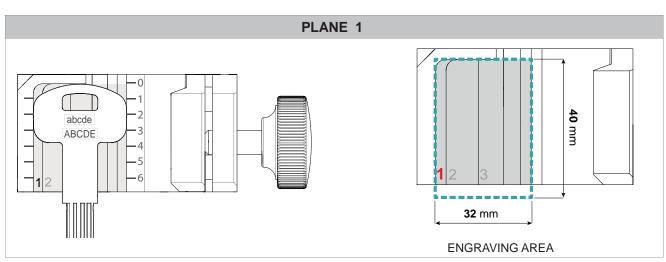
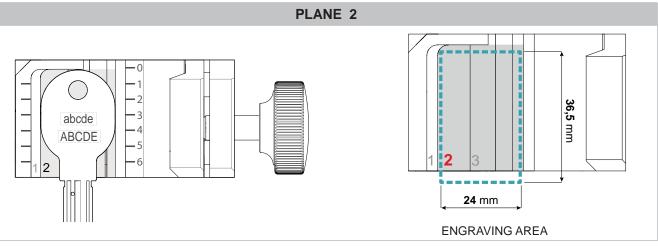


Fig. 7





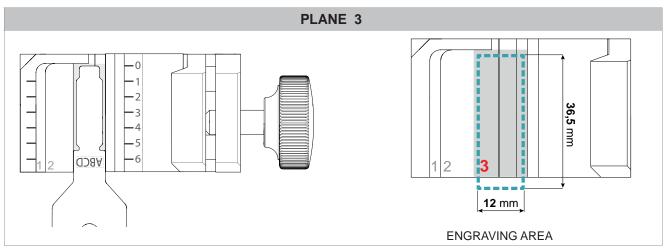
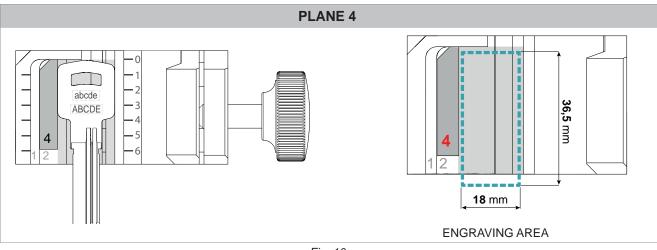


Fig. 9





• TYPE OF OBJECT TO BE ENGRAVED (key or other)

- Select 'SILCA key blank' to choose a key blank similar to or the same as the SILCA one for which an example of an engraving Model has already been created.
- Select 'Customised' to choose the dimensions of a circular or rectangular object to be engraved.

• ROWS OF TEXT

+ Add a row Front Back	To add the rows of text for one side only (FRONT) or both sides (FRONT and BACK) of the object to be engraved.
E É E	To align the text R or L or CENTRE (default) for every row.
Ŵ	To remove the selected row of text.
Token	Select the TOKEN button to assign the 'type' to the current row. The 'type' of row may be a free text or a token. The token 'type' cannot be edited directly by the User, but is assigned suitable value with a figure available in the context of the model's use. E.g:

T [00]	Replaced with an INDIRECT cutting CODE
T [03]	Replaced with the PROFILE field for the lock system involved
T [04]	Replaced with the SERIES field for the lock system involved

Tokens are mainly used for OEM applications or the production of master key systems for which files containing special information are provided, as below:

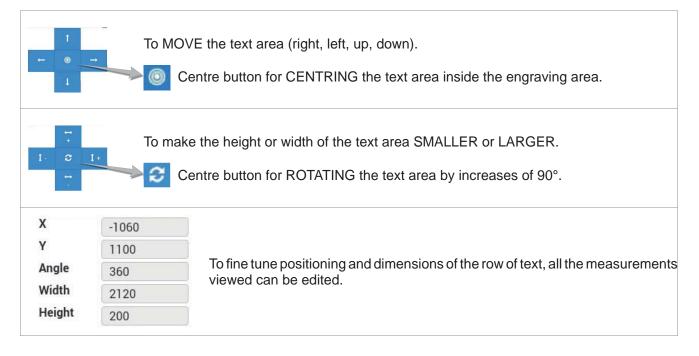
T [00]	Replaced with the name or number of the key in a master key system
T [05]	Replaced with the number or name of a master key system
T [10]	Replaced with the 'Progressive Counter' field for a key in a master key system

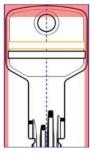
Type of row	Description	
Text	Free text	
Code Key [T00]		
Code Cylinder [T01]		
Customer [T02]		
Profile [T03]		
Series [T04]		
System No. [T05]		
Constant part of key code [T06]		
Variable part of key code [T07]		
Increase function 1 [T08]		
Increase function 2 [T08]		
Note [T09]		
Progressive counter [T10]		
User 1 [T11]		
User 2 [T12]		
Multiline [T13]		

Function 1 cc can be filled by zeros to maintain the width of the text unaltered. Example: Interease Increase - 01 - 02 - 03 - 03 - 0. Burget on the filled by zeros to maintain the width of the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence cat be filled by zeros to maintain the width of the text unaltered. Example: Interease Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence cat be filled by zeros to maintain the width of the text unaltered. Example: Interease Interease Interease Finateode Interease Interease Interease Finateode Interease Finateode Interease Interease Interease Finateode Interease Interease Interease Interease Interease Interease Interease Interease Interease Interease Interease Into Interease	Text	Free text
T[01] Used for special applications T[02] Replaced with customer Name assigned to a master key system T[03] Replaced with the PROFILE field for the lock system involved T[04] Replaced with the SERIES field for the lock system involved T[05] Replaced with the constant part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase Aprogressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 1 O1 O3 . . 01 . 02 . 03 . . Increase A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence is filled by zeros to maintain	Т[00]	
Ti02 Replaced with customer Name assigned to a master key system Ti03 Replaced with the PROFILE field for the lock system involved Ti04 Replaced with the SERIES field for the lock system involved Ti05 Replaced with the SERIES field for the lock system involved Ti05 Replaced with the constant part of an INDIRECT cutting CODE Ti07 Replaced with the variable part of an INDIRECT cutting CODE Increase A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 1 A sequence of progressive numbers linked to the set pieces is printed. Example: Used to mark all the keys in sequence before cutting them. The numerical sequence as be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence as before sequence before cutting them. The numerical sequence as before sequence is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence as before sequence is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence is ended. Imaget the sequence of prog	T[01]	
T[03] Replaced with the PROFILE field for the lock system involved T[04] Replaced with the SERIES field for the lock system involved T[05] Replaced with the number or name of a master key system T[06] Replaced with the constant part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 Increase Setting a quantity of 2 results in: <t< th=""><th></th><th></th></t<>		
T[04] Replaced with the SERIES field for the lock system involved T[05] Replaced with the number or name of a master key system T[06] Replaced with the constant part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 1 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 Used to maintain the width of the text unaltered. Example: Increase Setting a quantity of 2 results in: -01 -02 -02 -02 -03 -02 -02 -02 -02 -02 <th></th> <th></th>		
T[05] Replaced with the number or name of a master key system T[06] Replaced with the constant part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Increase - 01 - 02 03 - 03 - 02 - 03 - 02 - 03 - 02 - 03 - 02 - 03 - 02 - 03 - 03 - 04 - 02 - 03 - 02 - 03 - 02 - 03 - 02 - 03 - 03 - 04 - 02 - 05 - 03 - 06 - 01 - 07 - 01 - 08 - 01 - 09 - 02 - 01 - 02 - 02 - 02 - 03 - 01 - 01 - 01 - 02 - 02		
T[06] Replaced with the constant part of an INDIRECT cutting CODE T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase A progressive number is printed on the basis of the set parameters. The numerical sequer ce can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 1 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Increase Increase Function 2 O setting a quantity of 2 results in: -01 -01 -02 -02 -03 -03 -03 -04 -01 -05		
T[07] Replaced with the variable part of an INDIRECT cutting CODE Increase Function 1 A progressive number is printed on the basis of the set parameters. The numerical sequer ce can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Immediate Immediate Setting a quantity of 2 results in: - 01 - 02 - 02 - 03 Setting a quantity of 2 results in: - 01 - 01 - 02 - 02 - 03 Setting a quantity of 2 results in: - 01 - 01 - 01 - 10 - 10 - 10 - 10 T[09] Replaced with a note field for a master key system T[10] Replaced with the 'Progressive Counter' field for a key in a master key system T[11] Used for special applications		
Increase Function 1 A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 Increase Teacho Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence cate be filled by zeros to maintain the width of the text unaltered. Example: Increase Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence cate be filled by zeros to maintain the width of the text unaltered. Example: Interease Interease Increase Interease Function 2 A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence cate be filled by zeros to maintain the width of the text unaltered. Example: Interease Interease		
Function 2 Used to mark all the keys in sequence before cutting them. The numerical sequence calls be filled by zeros to maintain the width of the text unaltered. Example: Initial code Initial code Initial code Initial code Initial code Initial code Interesse Initial code Interst Initial code <t< th=""><th>Increase</th><th>A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example:</th></t<>	Increase	A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example:
T[10] Replaced with the 'Progressive Counter' field for a key in a master key system T[11] Used for special applications		Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example:
T[11] Used for special applications	T[09]	Replaced with a note field for a master key system
	T[10]	Replaced with the 'Progressive Counter' field for a key in a master key system
T[12] Used for special applications	T[11]	Used for special applications
	T[12]	Used for special applications

T[13]	MULTILINE
	Select a token Select a token Position of first character to be engraved 1 Number of engraved 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	 Employed to distribute a token (long text) over a number of lines by using token T13 twice or more. Once a token has been selected from T00 to T12 indicate: the position of the first character to be engraved the number of characters to be engraved
	Example:
	Token selected: T00 (indirect code - ABCD12345678)
	Position of first character: 1
	• Number of characters: 6
	Value to be engraved on key: ABCD12
	To complete engraving of the indirect code on a second line (with token T13):
	Position of first character: 7
	Number of characters: 6
	 Value to be engraved on key: 345678

• POSITIONING TEXTS WITHIN THE ENGRAVING AREA



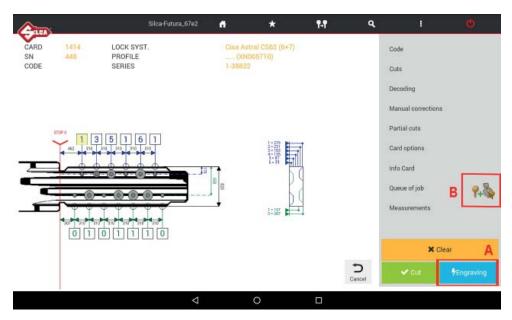


ATTENTION: the RED area corresponds to a safety zone which must be out of the tool's reach. Each clamp plane (1, 2, 3 and 4) has a different area.

The User Model Editor monitors the position of the rows of text so that they do not interfere with the safety zone.

• HOW TO USE AN ENGRAVING MODEL

1) From a CUTTING CARD



A - Tap ENGRAVING to view:

ngraving			
Model	CS62 TEST 🔹	T 🖹 🖉	
Clamp	01R-01E-02E		
Cutter	18DW		
Flat side	2		SILCA Italy
Engraving	depth 10		
Pieces	1		
Rows of text		Ĵ Front	
1 SILCA			
2 Italy			
		0	
	START		Cancel

This window makes it possible to:

- Select a User Engraving Model or Predefined SILCA from the list and then associate it permanently with the cutting card by tapping
- Filter the list of models so that it contains only USER MODELS + models relating to key blanks linked to the current cutting card by tapping
- Edit the selected Model by tapping
- Edit the number of pieces
- Temporarily edit the ENGRAVING DEPTH
- Temporarily edit the rows containing a free TEXT field
- Temporarily edit the Increase Function parameters

ATTENTION: the free text in a row and the 'Increase' function parameters can be edited, but the modifications are not saved.

ATTENTION: T[xx] tokens cannot be edited at this stage. Go back to the User Model Editor to change rows with Tokens.

ATTENTION: in the case of engravings created in an OEM job queue, many of the parameters listed above cannot be edited as the indications provided by the manufacturer must be observed.

		Select t	he type of job:	
		🖌 Cut	🕑 Engraving	
Nodel	CS62 TEST ·	T		
Clamp	01R-01E-02E			
Cutter	18DW			
lat side	2			SILCA Italy
Engraving	depth 10			
Rows of text			1 Front	
SILCA				
Italy				
			-	
			0	

B - Tap 'QUEUE OF JOB' with the ENGRAVING function enabled to produce:

This screen is used to place either cuts or engraving in the queue, according to whether the user ticks the "Cut" and/or "Engraving" fields.

Further details are described in the section above.

2) Tap 'ENGRAVING' from the USER MODEL EDITOR.

Can	8			Silca Fu	tura_67e2			*	1-1	٩		4	
	- C - C - C - C - C - C - C - C - C - C	odel	Edito	r							+ Back	🖺 Save	Engraving 🕨
			-	4	5			Model Nam	CS62 TEST		Clamp	01R-01	.0
		ſ		()				Cutter	180W	• 0	Flat side	2	. 0
				Ŷ				Depth Engraving	10	0	Thickness Key	300	·
			1	SILCA Italy				Key blank	type				
				1				 Silca 	key blank	CS62			
			1	10				O Custo	mised	2335		4000	
								6 Rows	oftext			J Front	+ Add a row
								Row T	ext				
								1 S	ILCA		Token 🖹	1	E 8
			Ц	ΠII		-	·	2 lt	aly		Token 🔍	±	# 8
0			X Y	-1060		-	1						
+		-	Angle	360	1.		1+						
-			Width	2120		-	-						
	*		Height	200		() ()							
					\bigtriangledown			0					

3) From JOB QUEUE

			Silca-Futura_67e	2 👫		*	ţ.	. ¶	۹	ŧ	(9
Que	eue	ofjobs			J	← Back	Select A	ll 🗹 🛛 Del	ete Jobs 🔒	Modify Piece	es 🗭 🛛	Start 🕨
	Stand	ard OEM	SSI									
1	ID ¢	Description \$	Code ¢	P	*		117	Article ¢		Date modifi	ed ¢	
	12	2020	G			0	1			05/10/2017	12:18:24	i
	14	Abus EC75 30-40 RH EC 635	D8		0		1	AB62		05/10/2017	12:24:02	i
V	16	Cisa Astral CS62 (6+7)	(XN005710)	0			1	AB48		05/10/2017	7, 16:16:05	j
Job T	уре	Card No.	Series No.	Cuts	Text			Model		Status	Quantity	
4		1414 🕑	448		1:SILCA	; 2:Italy;		CS62 TEST		Queued	0/1	

Further details are described in the section above.

7 OPTIONS



Options contains the following menus:

- Info
- Calibration
- Settings
- Machine maintenance
- Upgrades
- Backup/Restore
- User series
- Code Maker (optional see ch.11)

300	Silca-Futura_67	e2 📫	*	¶₊¶	٩	21	Ø
into	Machine data	9	SOFTWARE O	perating Guide		23/7/2017 09	-57-30
Calibration	Program name FUTURA PRO			Im	n	23/1/2011 05	.01.00
Settings				111	•		
	Upgrade Version	1922		0			
Maintenance	Program due date	-					
	Program Version	3.3.80		1			
Upgrades	Dimple/track key Database Version	4.01					
Backup/Restore	Standard key Database version	4.01					
	Licence version	0.0					
User series	Upgrade enabled	LD: 1/2017 F: 1/	2017 QUEUE: 0/0	0000 CMK: 1/2017			
Code Maker	Enable OEMs	OEM MOTTURA: 1	/2017				
	Machine Info						
	Model	FUTURA PRO					
	Machine ID	0008					
	Serial Number	1153181182202					
	Mac-Address	00:21:f3:06:67:e1	- 00:21:f3:06:67	:e2			
	IP Address	10.39.6.117 - 192	2.168.0.1				
	Hardware Version	4.0					
	Firmware Version	1.4					
	Card Info						
	Standard keys cut	5					
	Dimple/track keys cut	13					

7.1 INFO

This window shows the main data for the Futura / Futura Pro machine (e.g. SW update version, serial number, number of keys cut, etc.).

Tap the appropriate icon to view the FUTURA PRO "SOFTWARE OPERATING GUIDE". ATTENTION: this function is not available for FUTURA.

7.2 CALIBRATION

Calibration includes:

- Clamp Standard keys
- Clamps Dimple/Track keys
- Mobile Tracer
- Standard key Adapter
- Dimple/Track key Adapter

7.2.1 STANDARD key clamp calibration

		Silca-Futura_bbe3		*	¶₊¶	٩	1
Info	Clamps Standard keys		Cancel				
	Clamps Dimple/track keys	Cutter Template		01F Z3		9	2
Settings	Mobile Tracer	Clamp calib Offset X	brated	-4			
Maintenance	Standard key Adapter	Offset Y Reader Off	oot V	4		A A A	1 00
Upgrades	Dimple/track key Adapter	Reader Off		1		Sta	art
Backup/Restore		Side A	Side B	Side C Side D	Side F	Side H	
User series			Offset X Offset Y	Corrections		•• Ì I•	
		⊲ 0					

Tap START to begin calibration.

Fit template Z3 into the 01V clamp, as illustrated.

Standard key clamp calibra	tion		×
Clamp side: Stop: Cutter:	01V A 0 01F Z3		
START		Cancel	

When the message "Clean carefully the Optic Reader and key without removing it" appears, lift the safety shield and carry out the required operations.

Close the safety shield and press START to continue.

Standard key clamp calibration	×
Start Please, clean carefully the Optical Reader and the key without removing it.	
► START	
STOP	

At the end of the operation you are required to save the data entered. Tap "Yes" to confirm.

Standard key clamp calibration	×
Calibration completed	
Offset X = -8	
Offset Y = 6	
Optical reader Offset X = 3	
Optical Reader Offset Y = 2	
Salvare i valori ?	
Yes	No

The 01V clamp is calibrated only for Side A.

Only Manual corrections of Y (spaces) e X (depth) can be entered on sides B, C and D.

Positive value of Y: takes cut closer to stop.

Negative value of Y: takes cut away from stop.

Positive value of X: lowers the cut from the axis.

Negative value of X: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch).

Tap "Save" to confirm.

7.2.2 DIMPLE/TRACK keys clamp calibration

This menu contains a list of standard clamps and options for cutting these types of keys. Select the required clamp and tap START to begin calibration.

Use the 02T tracer for calibrating the clamps.

ATTENTION: to calibrate clamps with ...J jaws make sure the jaws are closed completely before proceeding.

		Silca-Futura_bbe3 👫	*	¶-¶	٩	1
Info	Clamps Standard keys	Clamp 01R-01J-02J		Clamp calibrated		
	Clamps Dimple/track keys	01R-01J-04J		•		
Settings	Mobile Tracer	01R-03J-02J				
		01R-05J-06J				
Maintenance	Standard key Adapter	01R-07J-08J				
Upgrades	Dimple/track key Adapter	01R-09J-10J				
		01R-11J-02J				
Backup/Restore		01R-12J-02J				
User series		01R-13J-02J				
		01R-14J-15J				
		01R-16J-17J				
		01R-18J-02J				
		01R-19J-02J				
		01R-20J-21J				
		d 0				

		Silca-Futura_bbe3	đ	*	¶-¶	٩	1
Info	Clamps Standard keys	Ð	Cancel				
	Clamps Dimple/track keys	Tracer Clamp ca	librated	02T			
Settings	Mobile Tracer	Clamp sid		A		m. 1.9	
Maintenance	Standard key Adapter	Offset X Offset Y		-1			
Upgrades	Dimple/track key Adapter	Offset Z		1		Sta	art
Backup/Restore			-				
User series		Clamp s					
			Manual Offset X	Corrections	i .		
			Offset Y Offset Z				
			C	lear Save		+•*	** **
			_			z	
		< <	0				

Calibration Clamp 01R-01J-02J	×
Calibration completed Offset X = 0 Offset Y = 0 Offset Z = 0 undefined	
Yes	No

At the end of the operation you are required to save the data entered. Tap "Yes" to confirm.

MANUAL CORRECTIONS

Y, X and Z axis manual corrections can be applied if necessary. Positive value of Y: takes cut closer to stop. Negative value of Y: takes cut away from stop. Positive value of X: moves cut to the right of the axis. Negative value of X: moves cut to the left of the axis. Positive value of Z: lowers the cut from the axis. Negative value of Z: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch) Tap "Save" to confirm.

7.2.3 MOBILE TRACER 01T calibration

ATTENTION: when calibrating the 01T mobile tracer make sure the 01J-02J jaws are completely closed before proceeding.

		Silca-Futura_bb17	ñ	*	¶-¶	٩	1
Info	Clamps Standard keys	•	Cancel			-	-
	Clamps Dimple/track keys	Mahila	Terrer				0
Settings	Mobile Tracer	Mobile calibra	ted				
Maintenance	Standard key Adapter	Offset Offset		2 -7			
Upgrades	Dimple/track key Adapter						
Backup/Restore				_			1
User series					Start		
		\bigtriangledown	0				

- Lower the 01T mobile tracer and lock in place by turning the knurled knob clockwise.
- Tap START to begin calibration and follow the instructions on the screen.
- At the end of the operation you are required to save the data entered.
- Tap YES to confirm.

7.2.4 STANDARD key Adapter calibration

		Silca-Futura_bbe	83 📅	*	¶-¶	٩	1
Info	Clamps Standard keys	Ada B6-S	pter Simplex			Clamp 01V	
	Clamps Dimple/track keys		Esety Omega			01V	
Settings	Mobile Tracer			-			
Maintenance	Standard key Adapter				0		
Upgrades	Dimple/track key Adapter				19		
Backup/Restore		Cla	amp side A				
User series			Manual Corr Offset X Offset V Cit				⇒ x
		\triangleleft	0				

Adjustments to X (spaces) and Y (depths) can be made manually.

Positive value of Y: takes cut closer to stop.

Negative value of Y: takes cut away from stop.

Positive value of X: lowers the cut from the axis.

Negative value of X: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch). Tap "Save" to confirm.

7.2.5 DIMPLE/TRACK keys Adapters calibration

Info Clamps Standard keys Adapter Clamp Calibration Clamps Dimple/track keys A18 01R-01J-02J Settings Mobile Tracer A34 01R-01J-02J Maintenance Standard key Adapter Imple/track key Adapter Upgrades Dimple/track key Adapter Imple/track key Adapter User series Clamp side A			Silca-Futura_bb17	A	*	¶ - ¶	٩	1
Calabration Clamps Dimple/track keys A34 01R-01J-02J Settings Mobile Tracer Imple/track key Adapter Upgrades Dimple/track key Adapter Backup/Restore Clamp side A User series Imple/track key Adapter	~	Clamps Standard keys				CONTRACTOR OF THE		
Maintenance Standard key Adapter Upgrades Dmple/track key Adapter Backup/Restore Clamp side A User series Offset X Offset Z Offset Z Offset Z Clear Save		Clamps Dimple/track keys						
Upgrades Dimple/track key Adapter Backup/Restore Clamp side A User series Manual Corrections Offset X Offset Z Offset Z Offset Z Clear Save Z	Settings	Mobile Tracer						
Backup/Restore User series Clamp side A	Maintenance	Standard key Adapter						
User series Manual Corrections Offset X Offset Y Offset Z Clear Save Z	Upgrades	Dimple/track key Adapter				418		
Offset X Offset Z Clear Save Z	Backup/Restore		Clamp s	ide A				
Offset Y Offset Z Clear Save Z	User series				1		Y	
Clear Save Z					1		_++İİ+	- et
Clear Save Z				Offset Z				X
				с	lear Save	P	+	** **
							-	

Positive value of Y: takes cut closer to stop.

Negative value of Y: takes cut away from stop.

Positive value of X: moves cut to the right of the axis.

Negative value of X: moves cut to the left of the axis.

Positive value of Z: lowers the cut from the axis.

Negative value of Z: raises the cut from the axis.

Adjustments: from -30 to +30 hundredths of mm) (+/- 118 thousandths of an inch). Tap "Save" to confirm.

7.3 SETTINGS

The Settings menu contains:

- Zero-point Calibration (STANDARD key)
- Zero-point Calibration (DIMPLE/TRACK key)
- Options
- Network setting
- Registration
- Import hooks position file

7.3.1 Zero-point Calibration (STANDARD key)

Tap START and follow the instructions on the screen.

		Silca-LFD_b657	A	*	¶-¶	٩	1
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~							
Info	Zero-point Calibration	Standard key					
Calibration	(Standard key)	Clamp:	01V				
Calibration	Zero-point Calibration	Clamp side:	А				
	(Dimple/Track key)	Template:	Z3				
	Ontines	Calibrated:	Yes				
Machine	Options	Zero-points X,Y:	97, -6				
maintenance	Network setting						
Upgrades				C+	art		
	Registration			51	an		
Backup/Restore	Import hooks position file						
	import hooks position life						
User series							
		⊲ 0	)				

Machine Zeros-poi	nt of Standard ke	y
ATTENTION		
Clamp:	01V	
Side:	А	
Stop:	0	
Cutter:	01F	
Template: Clean carefully the Optic	Z3 al Reader.	
ST/	ART	Cancel

Machine Zeros-point of Standard key	×
ATTENTION	
Attention ! This operation will delete any clamp cali calibrate again the clamps.	brations of Standard key. Remember to
Ok	Cancel
Ok	Cancel

N	lachine Zeros-point of Standard key		×
	Machine zero-points detected Offset X = 100 Offset Y = -8 Salvare i valori ?		
	Yes	No	

At the end of the operation you are required to save the data entered. Tap "Yes" to confirm.

# 7.3.2 Zero-point Calibration (DIMPLE/TRACK key)

This operation requires the use of the 02T tracer. **ATTENTION:** make sure the jaws are completely closed before starting. Tap START and follow the instructions on the screen.

		Silca-LFD_b657	A	*	1-1	٩	1
Info Calibration Settings Machine maintenance Upgrades Backup/Restore User series	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key) Options Network setting Registration Import hooks position file	Dimple key Clamp: Tracer: Calibrated: Zero-points X, Y, Z:	01R-01J-02 02T Yes 174, -199, -	ม			
		⊲ (	0				

Machine zero-	points Dimple/Track	
Clamp:	01R-01J-02J	
Side: Tracer:	A 02T	
Clean carefully		T
close the clam	, the clamp and the tracer. Totall	

Machine zero-points Dimple/Track	×
ATTENTION	
Attention ! This operation will delete all Dimple/Track clamps once again	keys clamp calibrations. Remember to calibrate the
Ok	Cancel

lachine zero-points Dimple/Track	
Machine zero-points detected	
Offset X = 175	
Offset Y = -199	
Offset Z = -27	
Save the calibration ?	
Yes	Νο

At the end of the operation you are required to save the data entered.

Tap "Yes" to confirm.

NOTE: Remember to replace the 02T tracer with the proper cutter prior to attempting to cut a key to prevent damaging the 02T tracer.

# 7.3.3 Options

The Options menu contains:

- General
- Preferences STANDARD key
- Preferences DIMPLE/TRACK key

### 7.3.3.a General

The following parameters can be modified:

#### • Measurement Unit (millimeters or inches)

A		Silca-Futura_bb17	fi	*	<b>9-9</b>	۹	1
Info Calibration Settings Maintenance Upgrades Backup/Restore User series	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key) Options Network setting Registration Import hooks position file	Silca-Futura_bb17 General Preferences Standard key Preferences Dimple/Track key	A	* Measurement Unit Language Comparatives Reference Key Manufacturer	<b>F</b> . Measurement Unit Hundredths of a Millimete Thousandths of Inch		1
		⊲	)				

• Language

		Silca-Futura_bb17	<b>fi</b> *	¶₊¶	٩	T
Info	Zero-point Calibration (Standard key)	General Preferences	Measurement Unit	Language		
Settings	Zero-point Calibration (Dimple/Track key)	Standard key Preferences	Language	English		
Maintenance Upgrades	Options Network setting	Dimple/Track key	Reference Key Manufacturer	🚺 Italiano		
Backup/Restore	Registration		Manufacturer	French		
User series	Import hooks position file			Spanish		
				Portuguese		
				Czech		
				Swedish		
		< 0				

• Comparatives (comparative brands to visualize for key research)

It's possible to pick and/or unpick brands that can be seen after a research of comparatives articles. In the comparative list Silca is activated by default.

(And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second		Silca-Futura_bb17	<b>n</b> *	¶-¶	٩	:
Info	Zero-point Calibration (Standard key)	General	Measurement Unit	Comparatives		
Calibration	Zero-point Calibration	Preferences Standard key	Language	0.00		
	(Dimple/Track key)				Select All	
Maintenance	Options	Preferences Dimple/Track key	Enabled display Notes	C E A	Deselect All	
Upgrades	Network setting		Comparatives	CANAS		
Backup/Restore	Registration		Reference	DOM.LOCK		
User series	Import hooks position file		Key Manufacturer	ERREBI		
				EZY CUT		
				GÜLER		
				TILCO		
				JAS		
				J M A		
				JET		
				KEY LINE		
				KRAGA		
				M.MINIT		
				ORIGINALE		
				VIR B		
				<b>▼</b> R S T		
				R.CLOVER		
				SILCA		
				TAYLOR		
			0.000			
		⊲ 0				

#### • Reference Key Manufacturer

After a key search... the key to be duplicated will always (with exception*) be the Silca reference by default. ILCO can also be set as a reference by default.

* keys that are not produced by Silca (copyright - obsolete - new keys)

		Silca-Futura_bb17	ñ	*	1-1	٩	1
Info	Zero-point Calibration (Standard key)	General	Me: Uni	asurement t	Reference Brand	Selection	
Calibration	Zero-point Calibration (Dimple/Track key)	Preferences Standard key	Lan	guage	• ILCO		
Settings	Options	Preferences Dimple/Track key	disp		SILCA		
Upgrades	Network setting		Not	nparatives			
Backup/Restore	Registration		Ref	erence			
User series	Import hooks position file			nufacturer			
		1					
		< 0					

#### 7.3.3.b Preferences STANDARD key

Info Zero-point Calibration   Calibration   Settings   Maintenance   Upgrades   Backup/Reatore   User series   Import hooks position file Settings General Preferences Diple/Track key Settings Registration Import hooks position file Settings Settings General Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings Settings </th <th>¢</th> <th>Silca-Futura_67e2</th> <th>ň</th> <th>*</th> <th>₽.P</th> <th>۹</th> <th>1</th> <th>O</th>	¢	Silca-Futura_67e2	ň	*	₽.P	۹	1	O
Settings   Maintenance   Upgrades   Backup/Restore   User series     Import hooks position file     Conting Check installed key     Preferences   Dimple/Track key     Minimun distance from STOP 0     Soluting Check     Minimun distance from STOP 0     Soluting Check     Maintenance     Upgrades     Registration     Import hooks position file     Rectify key STOP     Enable STOP Rectification     Rectification Thickness X     Key Stop Height Y	Info		General	Set p	references		Sa	ve
Setting:     Options     Preferences       Upgrades     Network setting       Backup/Restore     Registration       User series     Import hooks position file         Rectify key STOP     Enable STOP Rectification       Rectification Thickness X     Key Stop Height Y       Depth H     Depth H	Calibration							
Upgrades       Network setting         Backup/Restore       Registration         User series       Import hooks position file         Perform       Rectify key STOP         Enable STOP Rectification       Rectification Thickness X         Key Stop Height Y       Depth H						or		
Backup/Restore       Registration         User series       Import hooks position file         Y       Enable STOP Rectification         Rectification Thickness X       Rectification Thickness X         Key Stop Height Y       Depth H		Network setting		Minimum	distance from STO	P.0 5	in and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	
User series  Rectify key STOP  Enable STOP Rectification  Rectification Thickness X  Key Stop Height Y  Depth H	Backup/Restore	Registration		Mininun	distance from 510	FU E		
Enable STOP Rectification Enable STOP Rectification Rectification Thickness X Key Stop Height Y Depth H	User series	Import hooks position file		Pecti	fy key STOP			
Key Stop Height Y				neen	ly кеу отог Ш	Enable S	TOP Rectification	
Depth H					×,			
				-	Ľ			
l andb l							Length I	

**Cutting check:** in simple terms ...MACS protection (Maximum Adjacent Cut Specification). When enabled this function prevents the machine from accepting user input of direct cuts that would result in a combination of cuts not included in the data cards.

**Check installed key:** when enabled this function checks whether the second side of the key is properly aligned in the clamp. Any alignment errors (taper) will be offset. This function is used only for keys with cuts on both sides.

**Use any clamp:** if this function is enabled the key to be cut can be positioned on a clamp side different from default. The function is used to acquire the measurement of the key blank (stem width) in order to adapt cuts to the key blank being used. It is applied automatically only to keys with double symmetrical sides.

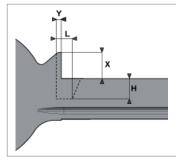
#### ATTENTION: option valid for CUTTING only (NOT DECODING).

Rectify key STOP: when enabled adjusts the key stop as per instructions on the screen.

**Minimum distance from stop:** the range [50-90] (hundredths of a millimeter); 197-354 thousandths of an Inch)

Interval for parameters involved (in hundredths of a millimeter):

Х	0 - 99
Y	0 - 400
Н	0 - 400
L	0 - 500



### 7.3.3.c Preferences DIMPLE/TRACK key

	Silca-Futura_t	57e2 👫	*	¶ <b>-</b> ¶	۹	1	Q
Info Calibration Settings Maintenance	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key)	General Preferences Standard key Preferences Dimple/Track key	Use mob	eferences ile Tracer speed at rapid ting speed selector	3000		
Upgrades Backup/Restore	Network setting Registration		Enable er				
User series Code Maker	Import hooks position file				Save		
		⊲ 0					

**Set preferences:** used to enable or disable the use of the 01T mobile tracer. If the field is not selected the 02T tracer is required, to be fitted into the shaft for the decoding operations.

**Carriage speed at rapid:** used to set the carriage speed for rapid movements; the pre-set value of 3000 is recommended by Silca.

**Enable engraving:** used to enable the ENGRAVING function wherever required, at any point in the program.

### 7.3.4 USE

The machine can be set up in one of the 4 modes below:

- 1) ACCESS POINT through Wi-Fi (factory configuration)
- 2) ETHERNET with connection to LAN and router (to connect the machine to the internet)
- 3) TETHERING USB (for connecting tablet and machine via cable)
- 4) LOCAL NETWORK (LAN) (to connect the machine to the internet)

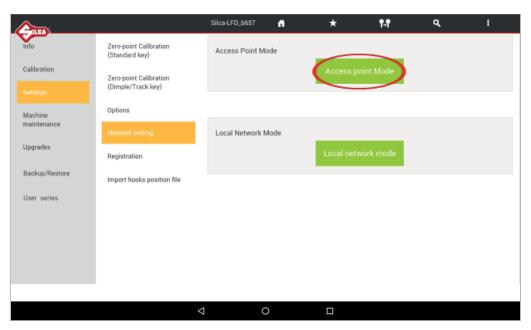
MODE	ACCESS TO INTERNET	TABLET - MACHINE Connection	Recommended
ACCESS POINT	NO	Wi-Fi	YES
ETHERNET with connection to LAN	YES via CABLE	Wi-Fi	YES
TETHERING USB	NO	USB cable	YES
LOCAL NETWORK	YES via Wi-Fi	Wi-Fi	-

#### 7.3.4.a ACCESS POINT mode (Wi-Fi connection between machine and Tablet)

In this mode the Tablet connects directly to the machine. The machine is set on this mode in our workshops.



Fig. 11



#### SOFTWARE Operating Guide

When the machine and Tablet are switched on the connection automatically activates in around two minutes; if not, check the Wi-Fi connection from your Tablet to see if the machine is included in the Wi-Fi (WLAN) networks that are found; the machine will appear as **Silca-Futura_...** 



Settings	≡ WLAN	¢ :
Set screen lock Protect your device	On	۲
Use your voice Say 'OK Google' to search, set alarms & more	Silca-Futura_e032 Connected, no Internet	
Wireless & networks	Silca-Futura_b826 No Internet Access.	
WLAN Takes Futura_e0227	SSVDEVL Saved	
Bluetooth Disabled	SSVGUEST No internet Access.	
O Data usage 0 B of data used	Silca-Futura_192c	
+++ More	😴 Silca-Futura_c156	
Device	💘 Silca-Futura_dfea	
D Display	🔨 SSV-PROD	
Notifications	🔨 SSV-SERV	

If it is not connected pick "Silca-Futura_..." and input the password which correspond to the machine serial number (made up of 13 numbers).

=	WLAN			2									۰ :
	On			Silca-F	utura_194	B						۰	
	Ψ.	Silca-Futur Connected, r		123456	57890123								
	•	SSV-DEVL Saved		Show Advanced					Ŷ				
		SSV-GUEST No internet /						CANCEL	CONNECT				
		SSV-PROD											
1	2	3	4	5	6	7	8	9	0	83		J	
q	w	е	Ĩ	t	У	u	i	0	р	[ (	] )	I	v
а	S	d	f	g	h	j	k	1	••••	, @	>	۸	# ĩ
<b>±</b>	1	z	Х	С	۷	b	n	m	,	•	II.	+	/ ?
-			500 26	H.		@	#	\$	%	&	*		t
					$\nabla$	(	0						1

The option to change the Wi-Fi channel is used in cases when the (point to point) communication cannot be properly connected since there are too many devices tuned to the same channel.

It also permits the user to adapt to the rules and restrictions of Wi-Fi channel use in their country.

To change the channel one must first be connected, select the new channel and then reboot the machine.

		Silca-LED, 5557 .	4.	*_	₽ <u>₽</u> ,	9
Info	Wifi Channel Selection					×
Calibration	Wifi Channel			9		
	Save			Clos		- 11
Machine maintenance				CIUS		-
Upgrades	Metwork setting	Local Network M	ode	Local netv	vork mode	
Backup/Restore						
User series						

#### 7.3.4.b ETHERNET with connection to LAN and router

To connect the Futura / Futura Pro machine to the internet through your LAN:

- Set the machine on ACCESS POINT and connect the tablet in Wi-Fi to the machine (factory configuration).
- Connect your LAN ethernet cable to the machine (Fig. 12).

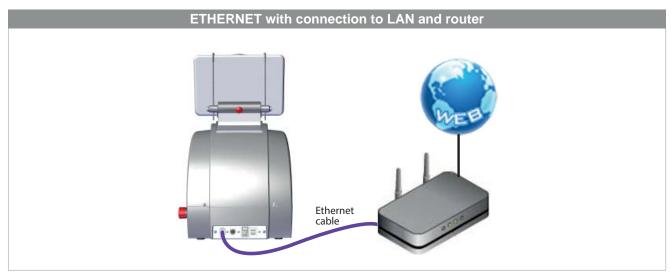


Fig. 12

### 7.3.4.c TETHERING USB mode

This method is used to connect the machine to a Tablet by means of a USB cable. Use the power cable provided with the Tablet.

Attention! This control is active and can be selected only if:

- the Tablet Wi-Fi network is disabled (OFF).
- the USB cable is connected to the Tablet and machine (Fig. 13).
- an Ethernet cable is not connected to the machine port.

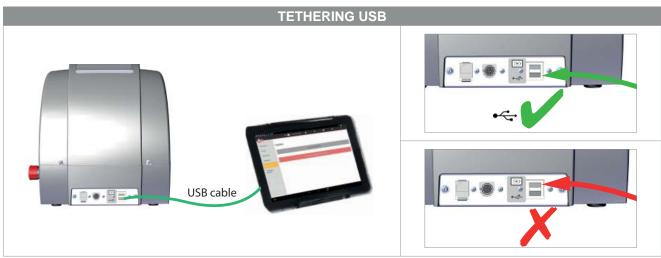


Fig. 13

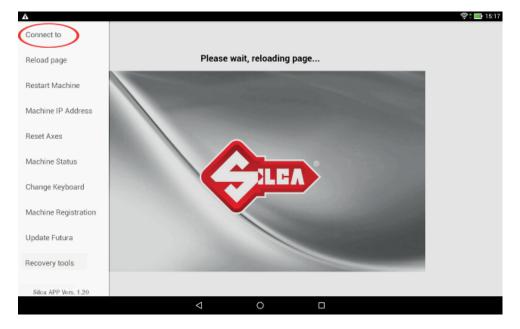
- 1) Connect the USB cable to the machine and Tablet (Fig. 13). Note: FUTURA has one USB port only.
- 2) Access "Settings" On the Tablet.
- 3) Disable the Wi-Fi (WLAN).
- 4) In the Tablet "Settings" tap the "More..." icon and select the item "Tethering & Portable hotspot".

	Set screen lock	
â	Protect your device	1
÷	Use your voice Say 'OK Google' to search, set alarms & more	1
Wirel	ess & networks	
•	WLAN 'Silca-Futura_e032'	
*	Bluetooth Disabled	
0	Data usage 0 B of data used	
6	$\frown$	
( ····	More	
Devic	10	
		_
nering & po	rtable hotspot	
	rtable hotspot	•
nering & po USB tether Tethered	rtable hotspot	•
USB tether USB tether Tethered Portable W Set up WL	rtable hotspot	•
USB tether Tethered Portable W Set up WL Lenovo TAB Bluetooth	rtable hotspot fing rLAN hotspot AN hotspot AN hotspot	•
USB tether Tethered Portable W Set up WL Lenovo TAB Bluetooth	rtable hotspot ring /LAN hotspot AN hotspot 4 10 WFA2 /PSK portable WLAN hotspot tethering	
USB tether Tethered Portable W Set up WL Lenovo TAB Bluetooth	rtable hotspot ring /LAN hotspot AN hotspot 4 10 WFA2 /PSK portable WLAN hotspot tethering	
USB tether Tethered Portable W Set up WL Lenovo TAB Bluetooth	rtable hotspot ring /LAN hotspot AN hotspot 4 10 WFA2 /PSK portable WLAN hotspot tethering	

5) Tick "USB Tethering" or select "ON" to enable.

When this item is enabled a green light on the machine will flash for a few seconds. It may take 10-20 seconds for this to happen.

Start the Silca Futura APP and open the drop-down menu. Select "Connect to" to find the machine.



When the machine has been found, hit to select and establish connection.

Search the machine in the	Network
Silca-Futurabb17	
Set the number of Machine	es in the network (0 = all) 1
Start search	Stop search

NOTE: if the Tablet and machine have been turned off, when turning on the USB connection must be made again, in the way described above, if you wish to work with the Tethering USB mode.

NOTE: when the machine-tablet connection has been made, if necessary you can re-boot the tablet Wi-Fi connection to connect to the internet.

#### 7.3.4.d LOCAL NETWORK mode

This mode is useful to connect the tablet and machine, sharing the internet access provided by the router. If this is required we suggest in any case using the "Ethernet with connection to LAN" configuration, as described in Chapter 7.3.4.b as it performs better.



Fig. 14

To access this method of use, go to the Options > Settings menu, select "Network setting" and hit the LOCAL NETWORK mode icon.

		Silca-LFD_b657 (	ñ	*	¶₊¶	۹	:
Info	Zero-point Calibration (Standard key)	Access Point Mode					
Calibration	Zero-point Calibration			Access poi	nt Mode		
	(Dimple/Track key)						
Machine	Options						
maintenance	Network setting	Local Network Mode	e				
Upgrades	Registration			Local netwo	ork mode		
Backup/Restore	Import hooks position file			$\sim$			
User series							

Perform the following operations to activate this method:

#### 1) FUTURA / FUTURA PRO CONNECTION TO A Wi-Fi ROUTER

Pick the network to which you want to connect by tapping the SSID field and then inserting the network's password.

Tap "Save" to reboot the machine in Local Network. The machine should initially reboot with a flashing white and blue light, to then end with two flashing blue lights that indicate the connection to the local network was successful.

If the inserted password was incorrect the machine would reboot in ACCESS POINT mode with an intermitted flashing blue light.

Local networ	rk setting			×
SSID		SSV-GUEST		C
Password				
Security option	SSV-GUEST			
	SSV-DEVL			
	SSV-PROD			_
	Custom			
Local networ	k setting			×
SSID		SSV-GUEST		C
Password				
Security option		WPA2-PSK		
	Save	Clo	se	

		×						
Local Network mode set successfull								
Local Network mode set successfull								
	Close							
Network setting	Local Network Mode	Local network mode						

### 2) CONNECTING TABLET TO A WI-FI ROUTER

From the Tablet's "Settings" menu is tap on the desired network to connect.

Settings	≡ WLAN	<b>0</b> :
Bet screen lock Protect your device	On	۰
Use your voice Say 'OK Google' to search, set alarms & more	Silca-Futura_e032     Connected, no Internet	
Wireless & networks	Silco-Futura_b826 No internet Access.	
WLAN "Silcia Futura, e032"	SSVOEVL Saved	
8 Bluetooth Disabled	SSVGUEST	
O Data usage 0 B of data used	Silca-Futura_192c	
··· More	😿 Silca-Futura_c156	
Device	💘 Silca-Futura_dfea	
Display	😿 SSVPROD	
Notifications	😿 SSVSERV	
All apps allowed to send	eouroin	

#### 3) REBOOTING THE FUTURA'S APPS

Open the drop-down menu and select "Connect to".

Connect to		Silca-Futura_bb17	n .	*	¶- <b>T</b>	٩	1	
Reload page	Zero-point Calibration (Standard key)	Access Poin	t Mode					
Restart Machine	Zero-point Calibration			Access p	oint Mode			
Machine IP Address	(Dimple/Track key)			-				
Reset Axes	Options Network setting	Local Netwo	rk Mode					
Machine Status	Registration	-		Local net	work mode			
Change Keyboard	E							
Machine Registration	<i>~</i>							
Update Futura								
Recovery tools								
Silca APP Vers. 1.20								
		4	0					

Tap on "Start Search" in the following window.

Search the machine in the Network						
Set the number of Machines in the network (0 = all) 1						
Start search	Stop search					

Tap on "Silca-Futura..." in the following window to obtain a connection between the Futura's **APPS Silca.apk** and the machine.

Search the machine in the Network						
Silca-Futurabb17						
Set the number of Machines in the network (0 = all) 1						
Start search	Stop search					

NOTE: the last mode setting will be automatically saved by the machine at each successive reboot; if the last set mode was LOCAL NETWORK and this mode is not recognized within a certain time frame the Futura / Futura Pro will automatically go to ACCESS POINT mode.

### 7.3.5 IMPORT HOOKS POSITION FILE

This function is used to import a CSV file containing a list of positions for hooks associated to the Silca keys stocked by a point of sale/key-cutting centre. The file is imported from a USB PEN inserted into the key-cutting machine USB port.

	Silca-Futura_192c	đ	*	¶-¶	٩	1	O
Info	Zero-point Calibration	Current file					
Calibration	(Standard key)	hook.csv					•
	Zero-point Calibration (Dimple/Track key)						
Maintenance	Options		e USB PEN into th	e Futura machine a e right separator a			
Jpgrades	Network setting						
Backup/Restore	Registration		hook.csv	Sepa	rator:		
Jser series	Import hooks position file						I TAI
			C Refresh		4	IMPORT	

Example of list compilation (Silca key / Separator / Position):

AGB5 ;	A501
AGB8;	A502
CS204;	B600
CS206;	B601

The hook position is highlighted in the special field when carrying out a Search (Fig. 15) and Copy vehicle keys (Fig. 16) operation.

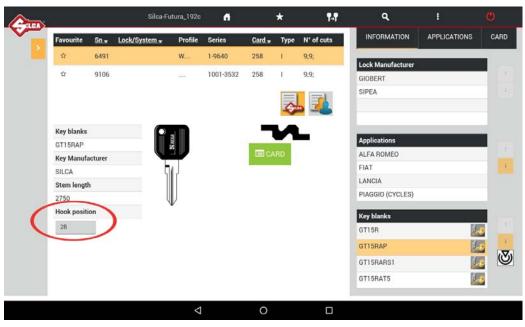


Fig. 15

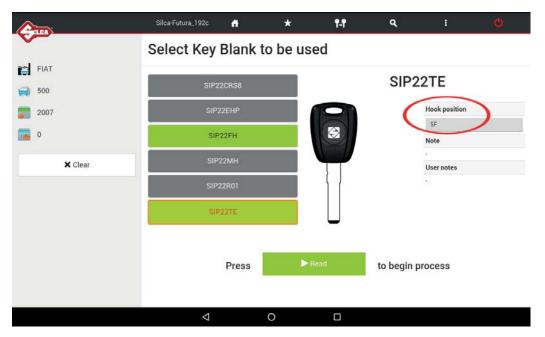


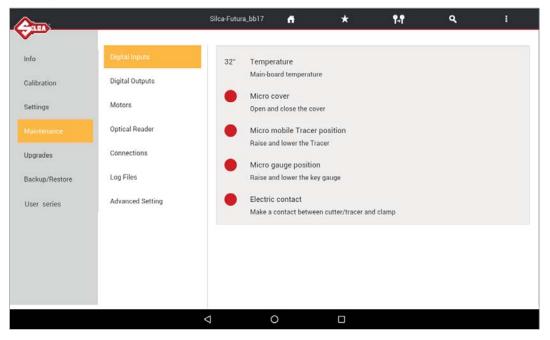
Fig. 16

### 7.4 MACHINE MAINTENANCE

#### • Digital Inputs

This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.

To perform the test carry out the movement described for each item and check that the relative signal changes color from red to green.



#### • Digital Outputs

This function is used to test operation of the digital outputs on the electronic board and relative devices connected to it. To perform the test tap ON on the screen.

Aur		Silca-Futura_bb17	ň	*	¶- <b>1</b>	٩	1
Info Calibration Settings Maintenance Upgrades	Digital Inputs Digital Outputs Motors Optical Reader Connections	ON ON ON ON	Turn on white LED Turn on red LED Turn on greeen LED Turn on blue LED Turn on Buzzer				
Backup/Restore User series	Log Files Advanced Setting						
		< 0					

#### • Motors

This function is used to test operation of the 3 step motors for the X, Y and Z axes (at the moment the B axis is not used). To perform the test tap "+" for the axis involved.

#### Note: The carriage must not reach and hit the end of its run.

The Reset key homes the axes.

NOTE: tap "-" only when the value shown in the "Working position" field is positive.

Axis clearance sensor: the ring becomes green when activated.

#### • Cutter motors

To perform the test tap the button for the motor to be tested: check that the cutter turns for 5 seconds.

<u></u>		Silca-Futura_bb17 👫	*	¶-¶	٩	1
Info	Digital Inputs	Motors				
Calibration	Digital Outputs					
-	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se	Motor	x	Y		z
Settings	Motora	Absolute position	0	0		0
	Optical Reader	Work position	0	0		0
		Zero-axis sensor	•	•		
Upgrades	Connections					
Backup/Restore	Log Files					_
			12	1		
User series	Advanced Setting			-		
			Reset	t Axis		
		Cutters Motors				
		Cutters Motors				
				No. of Concession, Name	ALL ALL ALL ALL ALL ALL ALL ALL ALL ALL	
		Standard k	ey Cutter Motor	Dimple key Cu	itter Motor.	
	-					

#### • Optical Reader

Perform the Optical reader threshold test to verify if the optical reader is active.

- Tapping on the "Read laser threshold" switches the optical reader from "-" to "0".

<b>A</b>	_	Silca-Futura_bbe3	đ	*	¶4¶	٩	I.
Info Calibration Settings	Digital Inputs Digital Outputs Motors	Test Optical Red Rend Laser thread	and the second second second second	0			
Maintenance Upgrades	Optical Reader Connections	Start Laber Gailbr	optical re	ader Calibratio	'n	•	
Backup/Restore User series	Log Files Advanced Setting						
		⊲ 0	C	]			

- Perform the Optical reader threshold test only if encountering anomalies when reading and/or decoding keys.
- Thoroughly clean the optical reader's glass, close the protective shield.
- Tap on "Optical reader calibration":
  - the green ball indicates that the optical reader is calibrated.
  - the red ball indicates that you must thoroughly clean the optical readers lens and re-calibrate the reader.

# ATTENTION: after the Optical reader calibration proceed with the machine zero points calibration (standard flat keys) then with the standard flat keys clamp calibration.

#### • Connections

This function shows all the machine connections that are available.

<u>Aun</u>		Silca-Futura_bb17		*	¶₊¶	٩	J.
Info Calibration Settings Maintenance Upgrades Backup/Restore User series	Digital Inputs Digital Outputs Motors Optical Reader Connections Log Files Advanced Setting	<pre>wiFi nd0E == wiFi nd0E + Access wiFi NdC: 00.f1:2 wiFi IP: 192.108. === CTH MODE === Ethernet WAC: 00: Ethernet IN: ==== USB STATUS = USb inserted: NdU Usb product: Usb version:</pre>	Point 3.aa.bb.17 0.1 = f1:23:aa.bb.18 				
		⊲ (	)				

#### • Log Files

The Log file is requested by Silca when on board machine software anomalies are encountered. This function permits to create and save a log file:

- on a USB key connected to the machine's USB port (Fig. 17). Note: FUTURA has one USB port only.
- or directly to Silca's Server (with the FUTURA PRO machine connected to a local network) Wi-fi or LAN cable connection).

<u> </u>		Silca-Futura_bbe3	#	*	¶-¶	٩	4
Info	Digital Inputs	Save machine Lo	g Files into a	USB-PEN drive			
Calibration	Digital Outputs			21/1/0			
Settings	Motors		2	Save L	og Files		
	Optical Reader						
Upgrades	Connections	Send machine Lo	g Files to Ser	ver			
Backup/Restore	Log Files			20070	1992		
User series	Advanced Setting		ł	Send L	og Files		
		<  <	C				



Fig. 17 - Futura PRO

# Advanced Setting

Function for Silca internal use.

(ALLEN)		Silca-Futura_bb17		*	¶-¶	٩	1
Info	Digital Inputs			Password		1	
Calibration	Digital Outputs			K	DK.		
Settings	Motors						
	Optical Reader						
Upgrades	Connections						
Backup/Restore	Log Files						
User series	Advanced Setting						
		⊲ (	C				

# 8 MACHINE UPDATE AND REGISTRATION

### 8.1 MACHINE REGISTRATION

To download the machine software updates you must be registered on the SILCA WEB FUTURA server. This operation is required only on first access.

After cutting at least 50 keys you are required to register the machine (only if not yet done) on the Silca FUTURA web server.

Serial Number	×
Please register on line the machine To register the machine go to menu Options > Registration	
Close	

- If the machine is not registered now, the same message will appear every time Futura / Futura Pro is started.
- If the machine is not registered it will not be possible to download software updates.

There are 4 ways to register:

Method 1: Futura / Futura Pro machine with access to the internet

Method 2: Futura / Futura Pro tablet with access to the internet

- Method 3: Using the Silca Remote Service (SRS) program
- Method 4: Using a browser on a PC/tablet connected to the internet

# Method 1

### Futura / Futura Pro machine with access to the Internet

- Start the FUTURA program; tap the icon OPTIONS -> Settings -> Registration
- Enter the data into the fields shown (those with * are required) and then tap Register and wait for a message communicating that the machine has been registered. Tap Close.

<u>@</u>		Silca-Futura_bbe3	1	*	¶ <b>-</b> ¶	٩	J.
Info	Zero-point Calibration (Standard key)	Serial Number					0
Calibration	Zero-point Calibration	Waiting for Email confirma			ation, it's require ECK of this scree		ceived Email and
	(Dimple/Track key)	Serial Number		m			
Maintenance	Options	Company*	Silca Italia	÷			
Upgrades	Network setting	Last Name	Silce				
Backup/Restore	Registration	First Name	Sica				
User series	Import hooks position file	Address	Via Podgora		_		
		Citys	Vittorio Ven	ento			
		Country*	it	. it		Resend the activ	unition annual
		Liner	(panta	* Required	l Fields	reaction the action	
		Check		Regis	ter		
		٥ Þ					

#### NOTE: Tap 🚯 to view the registration method for FUTURA PRO machines.

A message confirming registration will arrive at the address given.

Use your mail program to open the e-mail from Silca and click on "Validating email".

	Email address validation
	as not been validated. Low to validate the email address entered.
mail to validate: *	****@silca.it
alidating email	
tps://www.silcawebsw.	ectly the email, copy and paste the link below into your internet browser .biz/Futura/confirmEmail?data=MTE1MzE4MTUyMjTwNjswMDoyMTpmMzowNjpiNjo2MztsaXZpby5yb3NzaUBzaWa
(S5pdA==	



At the end, tap "Close" and then "Check" to conclude the registration procedure on the Tablet.

# Method 2

#### Futura / Futura Pro tablet with access to the internet

#### NOTE: the Tablet must be taken where there is a Wi-Fi connection with internet access.

Connect a tablet to your local Wi-Fi network and connect to the internet to start the Silca FUTURA APP. Scroll from left to right to open the drop-down menu, as shown below.

Δ		15:17
Connect to		
Reload page	Please wait, reloading page	
Restart Machine		
Machine IP Address		
Reset Axes		
Machine Status		
Change Keyboard		
Machine Registration		
Update Futura		
Recovery tools		
Silca APP Vers. 1.20		
	d O □	

Tap "Machine Registration".

Connect to	• • C B http://www.alkawebowbit.	undring)'	
Reload page			
		Please insert the Serial Number of your nuchine	
Restart Machine	Serial Number		
	11111111111		0
Machine IP Address		Check	
Machine IP Address	v028		
Reset Axes			
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Machine Status			
Change Keyboard			
	+ -> O _ E http://www.sikowebsw.bit	owered.	(1) 日本
Machine Registration	^		
Update Futura	×		
opoate Futura		Registration - Machine NOT registered	
Recovery tools	Senal Number		
Recovery tools	Company*		
AT 100 H 100	Lost Name		
Silca APP Vers 1.20	FestName		
	Address		
	OB.		
	Courty*		
	E-mel*		
	C Privacy Policy		
	Lagrent Iden't agree		
		Register	
		Back	
		BEEK.	

- If the serial number is not read, digit its thirteen numerical characters and press "Check".
- Enter the data into the fields shown (those with * are required) then tap Register.

- A message confirming registration will arrive at the address given. Use your mail program to open the e-mail from Silca and click on "**Validating email**".

	Email address validation
Your email address has not been valida Lick on the link below to validate th	acour
mail to validate: *****@silca.it	
alidating email	
	opy and paste the link below into your internet browser mEmail?data=MTE1MzE4MTUyMjTwNjswMDoyMTpmMzowNjpiNjo2MztsaXZpby5yb3NzaUBzaWy



- Go back to the Futura / Futura Pro machine and re-connect in ACCESS POINT mode.

NOTE: when the machine is updated for the first time registration data will be transmitted by the Futura WEB server to the machine.

# Method 3

#### Using the Silca Remote Service (SRS) program

#### Futura / Futura Pro machine and Tablet connected in ACCESS POINT mode

Install the "Silca Remote Service" program on your PC. The program can be downloaded from the Silca website www.silca.biz, by selecting the Products menu -> Silca Key Programs -> SKP Modules -> Silca Remote Service.



- Start the program and select the Futura / Futura Pro machine model, select the "Next" button and then "Register": a dedicated web page will appear.
- If the machine has not already been registered, enter the data in the relevant fields (fields marked * are required) and then tap "Register".
- A message will be sent to the given email address to confirm registration. Use your mail program to open the email from Silca and click on "Validating email".





The machine is now registered.

# Method 4

#### Using a browser on a PC/tablet connected to the internet

Access any browser from your PC or Tablet and enter the following address:

#### https://www.silcawebsw.biz/futura/reg/index.html

- Select the language in the top right-hand corner of the page.

C      https://www.sikawebswbic/lutura/reg/		
	Please insert the Serial Number of your machine	
Serial Number		
11111111111		0
	Check	
v026		

Enter the machine serial number (13 digits) and then tap "Check".

← → C A https://www.sikawebs	wbiz/futura/reg/	<u>ନ</u>
	Registration - Machine NOT registered	
Serial Number	111111111111	
Company*		
Last Name		
First Name		
Address		
City* -		
Country*		
E-mail*		
O Privacy Policy		
Lagree * I don't agree		
	Register	
(i	Back	

- Enter the data in the fields indicated (fields marked (*) are required), tap "I agree", then "Register" and wait for the message confirming that the machine has been registered.
- Confirmation of registration will be sent to the email address indicated.

Silca S.p.A. Via Podgora 20 Z.I. 31029 Vittorio Vene Tel. +39 0438 9136 Fax +39 0438 9136 e-mail: info@silca.it

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to (TV) Itab

- Use your email program to open the e-mail received from Silca and click on "Validating email".

	Email address validation
Your email address ha Click on the link bel	not been validated. w to validate the email address entered.
Email to validate: *	**@silca.it
Validating email	
	tly the email, copy and paste the link below into your internet browser iz/Putura/confirmEmail?data-HTE1MzE4HTUyHjTwNjsuHDoyHTpmHzowNjpiNjo2MztsaXZpby5yb3NzaUBzaW
	Your Key Partner
	Email to be validated: ***** @silca.it
	Email address validated succesfully.
	Contact

#### 8.2 MACHINE SOFTWARE UPDATE

Silca periodically releases Software and Data Updates for the machine. To check for new updates use one of the connection methods available.

ATTENTION: Do not insert a USB modem sticks for the transfer of data in the machine USB port.

NOTE: before starting, check that the machine is registered (shown on the Machine Registration screen - on the Tablet scroll from left to right to open the drop-down menu).

Futura / Futura Pro can be updated in one of the following ways:

- 1) Update by TABLET
- 2) Update by USB PEN DRIVE
- 3) Update through LOCAL NETWORK
- 4) Update by SRS (Silca Remote Service) program

#### 8.2.1 Update by TABLET



Fig. 18

# ATTENTION: Make sure there is no USB PEN in the Futura / Futura Pro machine USB port during updating.

- 1) Take the tablet to a place with a Wi-Fi network and internet connection and connect.
- 2) Start the Silca Futura APP and follow the instructions on the screen:
  - On the Tablet scroll from left to right to open the drop-down menu.
  - Tap "Machine registration" (Fig. 19.
  - Enter the machine serial number (13 digits) and then tap "Check".

and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	+ C B https://www.alitaneboy.biz/ki	taxt/mg/		요르
Connect to			in	٥
Reload page				
		Phone insert the Serial Number of your machine		
Restart Machine	Serial Namber			0
Machine IP Address		Check		
Machine Ir Address	+ + C & http://www.skowebsy.bis/10	kristegi		(2)(量
Reset Axes	<b>\$</b>			
Machine Status	1.000	Registration - Hadrine registered		
	Senal Harden			
Change Keyboard	Company*	Sea Fala		
	Last Norve	5Ata		
Machine Registration	First Name	Sea		
	Address	Via Podgan 1828		
Update Futura	City*	Viltoria Venesia		
Recovery tools	Courtly*	8		
necovery tools	ErtaP	ming stast		
Silca APP Vers 1.20	O Privacy Policy			
	Tagne I don't agree			
		Update		
		Back		

Fig. 19

- On the Tablet scroll from left to right to open the drop-down menu
- Tap "Machine update"; the following screen will appear:



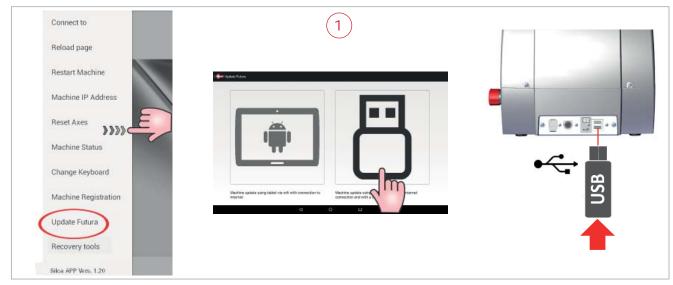


- Click on the tablet image (Fig.10) and follow the guided procedure (if the tablet is not connected to a Wi-Fi network you will see a screen from which a Wi-Fi network can be selected).
- When the new update has been downloaded you will be asked to re-start the machine so that the update will be applied automatically.
- Press the "Re-start machine" button and wait a few minutes. The tablet will automatically connect to Futura / Futura Pro.

### 8.2.2 Update by USB PEN

This update procedure is used to update the Futura / Futura Pro machine using a PC connected to the internet and a USB PEN.

1) Select "Machine update" from the drop-down menu and tap the USB PEN image (Fig. 21). Insert the USB PEN DRIVE into the machine and follow the instructions on the screen.





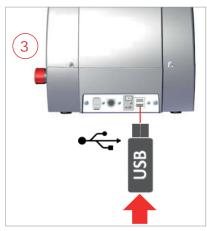
2) Insert the USB PEN DRIVE into a PC connected to the internet (Fig. 22).

- Open the USB PEN DRIVE, click on the file "FuturaUpgrade.exe" and wait for the "operation successful" message to appear on the screen.
- Remove the USB PEN DRIVE from the PC (safe hardware removal).

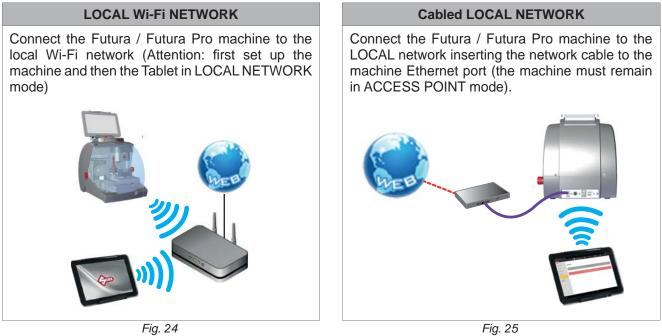
- Insert the USB PEN DRIVE into the special port on FUTURA PRO (Fig. 23). Note: FUTURA has one USB port only. Follow the instructions on the screen: tap the "RE-START FUTURA" button to re-start the FUTURA PRO machine.
  - Wait a few minutes until the white light flashes regularly.
  - Remove the USB PEN DRIVE from the machine (without turning it off). Wait for Futura / Futura Pro to re-start (regularly flashing blue light).
  - Start the FUTURA APP from your tablet.



Fig. 22



### 8.2.3 Update with LOCAL NETWORK connected to the internet





#### ATTENTION: Make sure there is no USB PEN in the Futura / Futura Pro machine USB port during updating.

To upgrade the FUTURA PRO machines software in manual mode, follow the steps indicated below.

	Silca-Futura_6	7e2 👫	*	<b>1</b> -1	٩	I.	Ċ
~							
Info	Upgrades						0
Calibration			Program Ver	sion: X.X.X.X			
Settings							
Maintenance			Check for ne	ew upgrades			
Backup/Restore							
User series							
User series							
		$\triangleleft$	0				
			Fig. 26				

#### NOTE: tap 🕤 to view machine update methods.

- Tap on "Check for Updates" to get a list of what will be downloaded with the update.

Software Upgrade		2
A new SW Upgrade is avai	lable:	News
tion	N. 2 components to be upgraded	
5 They will be updated:		100.004
Futura application: ance Update level and passwor	rd;	2.9.0 18.0
les	Do you want to download the Software Upgrade ?	
/Restore	No Yes	
eries		
	⊲ 0 □	

Fig. 27

- Tap "News" to see information about the update to be installed on the machine.
- Tap on "Yes" to start downloading.
- When download is over, you will be asked to restart the FUTURA PRO machine (procedure run by the software). Follow the on-screen instructions.

### 8.2.4 Update with SRS Program (Silca Remote Service)



Fig. 28

Install the "Silca Remote Service" program on your PC. The program can be downloaded from the Silca website www.silca.biz, by selecting the Products menu -> Silca Key Programs -> SKP Modules -> Silca Remote Service



The machine can be updated in the following ways:

### Method 1 (QUICK update)

#### QUICK update saves time as it downloads only the files needed.

#### ATTENTION: you need a blank FAT32/NTFS format USB PEN.

- Fit a blank format FAT32/NTFS USB PEN into the Futura / Futura Pro machine and open the machine software; go to the Diagnostics menu -> Log File and press "Save log file" on the USB PEN.
- Fit the USB PEN into the PC on which the SRS program is installed, go to the SRS program screen regarding **QUICK update** preparation and wait for the update file to be saved on the machine. If the machine is not registered you will be required to register using the special website page.
- Ensure that the Futura / Futura Pro machine is off (red push button) and that the FUTURA APP on the Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear of the machine Fig. 17, page 81.
- Start the FUTURA PRO machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the machine). Wait for Futura / Futura Pro to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

#### ATTENTION: do not unplug or turn off Futura / Futura Pro during updating.

### Method 2 (TOTAL update)

#### TOTAL update will download all the files on the machine

Start the program Start e Service and select the Futura / Futura Pro machine.

#### ATTENTION: you need a blank FAT32/NTFS format USB PEN.

- Enter the Futura / Futura Pro machine serial number into the SRS program screen regarding update preparation and then fit a USB PEN into the PC. Wait for the **TOTAL update** file to be saved on the USB PEN. If the machine is not registered you will be required to register using the special website page.
- Ensure that the machine is off (red push button) and that the FUTURA APP on your Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear Fig. 17, page 81).
- Start the Futura / Futura Pro machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the machine). Wait for Futura / Futura Pro to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

#### ATTENTION: do not unplug or turn off Futura / Futura Pro during updating.

### 8.3 APP UPDATE (Silca.apk and SilcaKeyboard.apk)

After you updated the Futura / Futura Pro machine's software, when the program starts up, you may see the following screen indicating that a new version of the **Silca.apk** or **SilcaKeyboard.apk** is available.

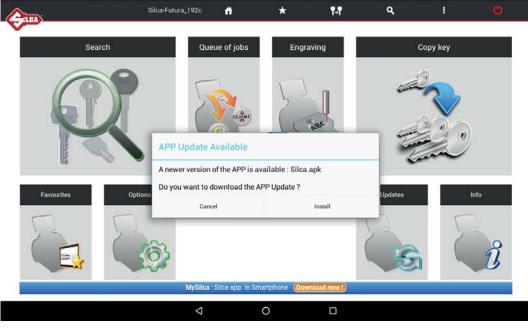
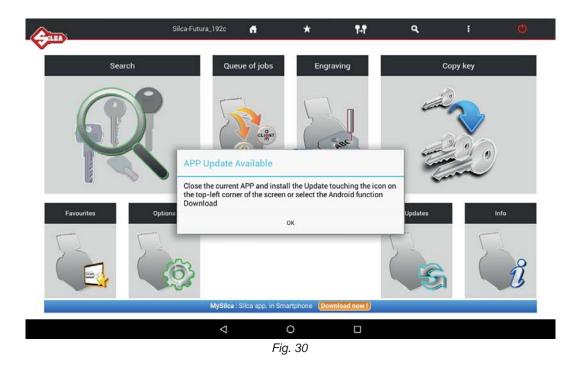


Fig. 29

Tap on "Install" and proceed with updating the APP.



Close the application that is opened by tapping on <a>and dragging the Futura APP (see Fig. 31).</a>





- 1) Tap the center bottom "Open all APPS screen" icon (
- 2) Enter "File Manager" and tap on "Downloads".



Fig. 32

< > 0	0 ⊞ Φ		Q, Searc	;h
₩ Fast	Name *	Revision date	Size	
④ Downlo	🗇 Silca apk	26/04/2018 10:03	2,52 MB	A
Docum Photo A Linc My Dev Main St Net + Net + Net +	Bilcal/syboard.apik	15/07/2017 12:53	1,12 MB	AI

Futura Do you want to in existing data will			
access to:	NEW	ALL	
	-		
This	ndata ramiirae	no new nermicelo	ne
Thisu	pdate requires	no new permissio	ns.
This u	pdate requires	no new permissio	ins.
This u	pdate requires	no new permissio	ins.

- 3) Select Silca.apk and tap on "Install".
- 4) Wait for the update to finish.
- 5) Do the same for upgrading the **SilcaKeyboard.apk**.

# 9 BACKUP / RECOVERY

This function permits to create and save a backup (backup User database) file in a USB pen that can be connected the machine's USB port (Fig. 17, page 81).

Also provided is the recovery (Restore User database) function always using the USB pen with the last file that was saved on it.

<u>A</u>		Silca-Futura_bb17	ñ	*	¶-¶	٩	1
Info	User Database Ba	ackup/Recov	/ery				
Calibration Settings	Bat	kup User Database			Restore User Dat	abase	
Maintenance Upgrades							
Backup/Restore User series							
		4	0				

## **10 USER SERIES**

Function accessible from "Options => User Series".

This function is available to the user to import a code table in XML-Keso, CSV, TXT format, associating it to a data card and thereby creating a new user series.

- Use a USB-PEN, FAT32/NTFS format, and copy onto it the file (or files) with the table to be imported. **Note: the file must not be in a folder.**
- Insert the USB-PEN into the Futura / Futura Pro USB port (Fig. 17, page 81).

Aura	Silca-Futura_bbe3	đ	*	¶-¶	٩	٥
Info	User series 📻					
Calibration						
Settings			User Series r	management		
Maintenance						
Upgrades						
Backup/Restore						
	<	1	0			

To create the user series, tap "User Series Management".

(ALLA)	Silca-Futura_bbe3	. <b>n</b> *	1-1	۹	i )	Ö
User series 👔						
User Series ID	Card Type	of key	Series	Profile	Code No.	
Add series. Edd. Eliminate						
	$\bigtriangledown$	0				

Tap "Add Series" to import the new file.

When the User Series exists and is selected/highlighted you can:

- Tap the "Edit" key to vary certain parameters associated to the series.
- Tap the "Eliminate" key to erase the selected series.

<u>A</u>	Silca-Futura_bbe3	ň	*	<b>1-1</b>	٩	1	O
User series 👔							e.
/tmp/usb/test.CSV	Type of file cov	AND REED			Back ng pracedure the USB PEN into 1	Next	e and press
				the Re Select	fresh button. the type of file to l the file to import a	be imported (csv o	r xml keso).
Hefresh .							
	$\bigtriangledown$		0				

- Follow the instructions on the Tablet page. During guided import you will be required to enter or select certain parameters to associate to the new series (e.g. Data card number, Profile, Series, Makes, Applications and Key blank.
- Tap "Next" to continue.

		Silca-Futura_bbe3	A	*	¶-¶	٩	1	Ø
er series	s 🛃							
Type of key	Standard Key	Dimple/Track Key Vel	nicles Keys			100.000		
Card	232					Back	Next	
Series	AB101-180				-			
Profile	A8					ng procedure		1
Cuts	Asse 1					ole to be imported a	eries description ar and press Next to g	
	Numero Intagli:	C. State	1992 - 1992 -		nexts	creen		
		1 2	3 4	5 6				
		$\triangleleft$		0				

<b>E</b>	Silca-Futura_bl	be3 🚮	*	¶₊¶	٩	ii.	O
User series 👔							
Makes Available	M	lakes Selected			and an end	and the second	
SFB	SI	LCA			Back	Next	
SHOWA	- *						
SIAM				File importi	ng procedure		
SICMA						s from those availat ove them into the rig	
SIEBAU						on to the next scree	
SIEM				Ŧ			
SILCA							
SIMECA							
SINJET							
SIPEA							
SIS							
515							
		$\bigtriangledown$	0				
100000					-		-
	Silca-Futura_bl	be3 🚮	*	Ĩ₊Ĩ	٩		Ö
User series 👔							
Applications Available	Applicatio	ns Selected					
PIAGGIO VESPA	LC	CKS (VARIOUS	S MAKES )		Back	Next	
PUCH							
RIZZATO (CYCLES)				File importi	ng procedure		
SWM						ations from those a	
TESTI						he Applications into ess Next to go on to	
YAMAHA (CYCLES)				scree		1	
CYLINDERS (VARIOUS MAKES							
LOCKS (VARIOUS MAKES)							
CISA PADLOCKS							
FILLERCAP (VARIOUS BRANDS )							
FURNITURE / VARIOUS							
		⊲	0				
^	Silca-Futura_bl	be3 🔒	*	¶.¶	۹	1	Ø
	Since I and the	ш	~	141	-		<u> </u>
User series 👔							· C ·
Blanks Available	В	lanks Selected				Harrison	
C5206	C	S206			Back	Next	
CS206	-						
CS206BZ				File importi	ng procedure		
				searc • Use the	h. 1e arrows to move t	nk (if applicable) to he blanks into the ri lext to go on to the n	ght-hand
		$\triangleleft$	0				

Code import	Anna Juck (CIED A)		O ITALIA 258 - ELABORATI	Series Profile Card:		15		
ne reame,	SILCA.csv	TORE_IXERG_AGA_PROFIL	O TIALIA 236 - ELADORAT	Operati	ons on data in th ress Refresh to			
Code	Axis 1	Axis 2	Axis 3	Separa		ippig coning.		
SP319835	11306				tial rows:	0	0	
SP319836	11502			Symbol	separator:		0	
SP319837	11526			Qualifie	c.	None		0
SP319838	11562					Refresh:		
SP319839	11722							
SP319840	11746			Operati	ons on columns s Morete		Move to	•
SP319841	13106				Left		Right >	
SP319842	13164			0				•
SP319843	13360			0		_	Eliminate	
SP319844	13520				Symbols		Characters	
				0			Resture Il columns	•
Axis information txis Cuts	Symbols	Import	Cancel		All sent			

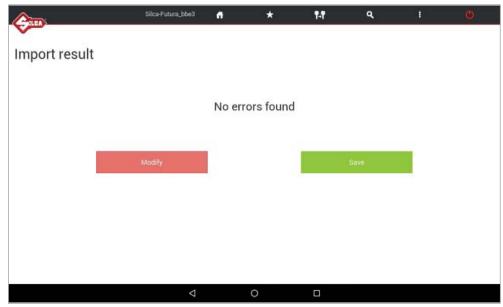
- Tap "Import" to import the file directly without editing.

NOTE: only if necessary, before terminating table import you can edit certain parameters using the menu on the right (Operation on data in the table and/or Operations on columns).

#### NOTE: tap 🕤 to view information about the field.

- After editing the parameters "Operation on data in the table" tap the "Refresh" key".
- After carrying out operations in the columns, tap the "Import" button to start importing the files.

At the end of the operations the following screen will appear:



- Tap "Save" to save the new User series.
- Tap "Modify" to make changes.

## 11 CODE MAKER

The Code Maker function (option to buy) is used to create a new data card with user-definable cutting parameters.

An explanation of how to use the data card parameters is given in the User Data Card guided creation procedure.

When the data card has been created the program proposes the creation of a User Series which also serves as a link to a personal code table.

Note: new data cards can be created using the accessories, cutters and clamps listed below:

#### Data cards for FLAT/STANDARD keys

Clamp to be used: 01V or 01VJ Cutter to be used: 01F

#### Data cards for DIMPLE keys

Clamp to be used:	01R
Jaws to be used:	01J-02J 05J-06J
Cutter to be used:	01D - 02D - 03D - 04D - 05D - 07D - 13DW

Note: Code Maker may use other accessories in the future.

Catal	×	lutura-VirtualBox	đ	*	<b>1-1</b>	٩	1	Ö
~								
Info	User cards	<b>2</b>						
Calibration								
Settings				User card ma				
Maintenance					7	m		
Upgrades					<			
Backup/Restore						-		
User series								
		$\triangleleft$		0				

# 12 TRANSPONDER GUIDE



The Transponder Guide contains all the transponder key copying solutions provided by Silca.

Open the Transponder Guide MENU - the search window will appear.

Enter into the fields the known information about the vehicle or transponder key to view data relating to identification, copying, storage and the procedures provided by Silca:

1400 0	Silca-Futura_093c	đ	* 1-1	٩	 Ö
Transponder Guide	< Insert a searching pa	rameter			
Vehicle Make					
Vehicle Model					
- YEAF • 🗰 - YEAF					
💡 Key blanks					
Key Manufacturer					
🕑 Transponder ID					
Transponder Type					
Hide obsolete SUCA key Marks Show RWA FULSTARTOOM FULS copies Show RWA FASTOOM copieshes and Show only with massal procedure Show agrie with massal procedure Show generative and Show generative and					
X Clear Search	č				
	Ø	0			

#### IMPORTANT:

- tap the column icon to learn the meaning of each column
- press the orange arrow  $\sum$  to make a new search or go back

<u>Aun</u>			Silca-Futu	ira_055a	đ	*	8	1-1		۹	1	O
	THE REAL	-	>			ę	) IDI	<b>9</b> -1	<b>•</b> ¶		<b>₽</b> ₽< <u>3</u>	
	FORD EU											
		FIEST	A	1995->200	2	4C					•	
		FIEST	A	2003->200	18	63					•	
		FIEST	A	2008->201	2	63		0.				
	-	FIEST	A	2013->		6E						
	REF.	E TE	N. FLP	COPY	COPY	PROS.	GEN.		<b>6</b> .0	DETAILED	1	
	HU101T17					T17		(CheelL)	Sd			
	HU101MH	HU101TE	HU101FH	•****	GTI		63 (GTI)					
				$\bigtriangledown$		0						

Fig. 33

Selet the required car model at the top of the window.

The bottom part of the window will show detailed information about the different possibilities:

#### **Blue section**

- use one of the Silca keys indicated in the first 3 columns to create a clone of the original transponder key, i.e. a key ready for use.

#### **Green section**

- use one of the Silca keys indicated in the first 3 columns to get a key that can be programmed on the vehicle by diagnostics or manual procedure. If there is no solution with Silca keys, when programming by diagnostics or manual procedure, if available, the copy must be made from an original key.





column indicating a Silca key blank without transponder



column indicating a Silca FLIP key blank without transponder

Example Fig. 33

In this case the user may:

Blue section => to clone the original key with RW devices

- use HU101MH
- use HU101TE or HU101FH with GTI transponder

**Green section** => to programme a key on the vehicle with original diagnostics (sd = see dealer)

- use HU101T17
- use HU101TE or HU101FH with GTI transponder programmed as ID63 or with T17 transponder

Get further details or access "manual programming" procedures by hitting 📃 (see Fig. 33).

	Vehicle Make	N ignition keys	SILCA key blank	Master Valet	162
FORD AUS	FORD AUS	0	HU101MH		
	Vehicle Model	N of programmable	ILCO key blank		
FORD EU	BF FALCON	keys	нитотмн		
(FORMEN/I)	Transponder	0	Empty shell		
		N master keys to be programmed		900	
		0		11K	
	Programming		-		1
E. REF.	Diagnostic device				
SAGA REF.	Manual procedure				
HU101MH			H		Ţ
			1	Close	

1

Tap icon **I** to make a search in the key-cutting section to find the data cards for the Silca key blank selected.

# 13 "TOKEN" AND "UTP" (UNLIMITED TOKEN PLAN)

Token machines are a new "pay per use" concept applied to Futura / Futura Pro machines which employ special tokens purchased by the customer as and when needed. There are **2** types of tokens:



**"Token":** "digital coins" whose value decreases every time a copy of a key is made. When the tokens are finished new ones must be purchased to continue using the keycutting machine.



**"UTP (Unlimited Token Plan)":** a special "timed digital coin" that allows the machine to be used freely (i.e. an unlimited number of keys can be cut) for a given period (a few months up to a year). At the end of the period new tokens must be purchased to continue using the key-cutting machine.

NOTE: To apply for token recharge and/or a "UTP" package the machine must be registered (to register see Ch.8.1 MACHINE REGISTRATION ).

# Running "Tokens" and "UTPs"

The following procedures apply when a newly recharged token or "UTP" package is used, according to the type of system on the machine.

In use on the machine	New	System
UTP	UTP	Duration of the UTP package in use is extended by adding the duration of the new one.
Token	Token	The new tokens are added to those already in use.
UTP	Token	The tokens will be operative when the UTP package expires.
Token	UTP	The tokens will be operative when the UTP package expires.

### About tokens and "UTPs"

One of the following two icons is situated in the top left-hand corner, close to the SILCA logo:



The "Tokens" still available

	d mbs	
50	-	

Days of use in the case of "UTPs"

To view information about the tokens available/	Token summary	
used, tap <u>ड</u>	Token state	
	Token available	1500
	Token consumed	0
To view the days still available in the case of	Package UTP (Unlimited Tokend Paid)	
	Duration [months]	1
"UTPs", tap	Expiration [days]	28
	01	

- When the icon (Token) and/or calendar (UTP) are green it means that the tokens or days are in excess of the minimum warning point in the Token => Settings menu
- When the icon (Token) and/or calendar are yellow it means that the tokens or days are below the minimum warning point in the Token => Settings menu
- When the icon (Token) and/or calendar are red it means that the tokens or days have expired or are about to expire.

### Extratoken

If the customer has used up all the tokens or the UTPs have expired, SILCA provides the opportunity to cut keys for another 21 days.

The tokens consumed will be counted during this period.

A the end of the 21 days the machine will cease to cut keys and a new UTP package or tokens must be purchased from a SILCA distributor.

# If the customer purchases a pack of tokens those consumed during the ExtraToken period will be deducted.

Example:

Days	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Tokens		50		50		50		40		40	40		10								

Tokens consumed in the ExtraToken period: **280** 

#### Package purchased: 1500 tokens;

When the package is installed the machine will have **1220 tokens** at its disposal.

# If the customer purchases a UTP package the days used during the ExtraToken period will be deducted according to the following logic: the last day on which key-cutting took place is counted.

Examples:

(**X** = one or more keys cut)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
X																				

**One day** will be deducted from the duration of the UTP package in question.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Х									Х											

**10 days** will be deducted from the duration of the UTP package in question.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
																			Х	

**20 days** will be deducted from the duration of the UTP package in question.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

No days will be deducted.

Note: Futura Token / Futura Pro Token is sold without tokens. When the first key is cut a "UTP" is automatically activated free for one month. At the end of the month you will be informed on your Tablet that you have 3 weeks (21 days) your disposal to purchase the token solution that meets your needs, according to calculations regarding use of the machine. At the end of the 3 week period the machine will no longer cut keys. To continue using the machine contact a Silca distributor to purchase tokens or UTPs and set up the machine for the chosen mode ("Tokens" or "UTPs").

### 13.1 TOKEN APPLICATION ON THE MACHINE

TOKENS on the machine can be updated in the ways described below:

#### • Futura / Futura Pro machine with LOCAL NETWORK (LAN) connection:

Select the "**Update**" menu in the Futura program and press "**Check Updates**". If the Silca server has tokens ordered/available a message will appear with a request to download. The tokens will be downloaded automatically to the machine without the need to re-boot.

When the tokens have been updated a message will appear to indicate whether a machine software update is available on the Silca Server.

#### • Futura / Futura Pro machine with ACCESS POINT connection:

Use the "**SILCA REMOTE SERVICE**" program or take your Tablet to a Wi-Fi connection point with access to the internet. If an update is available on the Silca server the tokens ordered/available and the machine software update will be downloaded together in a single operation.

### 13.2 COPY BY ORIGINAL AND DATA CARD CUTTING FLOW (on Token version)

Before each cutting operation by data card, by code or from an original, the Tablet shows the cost or "token value" of the chosen cutting operation. This information is not visible if a UTP package is used.

#### COPY BY ORIGINAL

Cur)	¹⁴⁰⁰ o	Silca-Futura_093c	4	*	¶4¶	٩	ļ	٢
Clamp 01V Clamp sic A Cutter 01F Stop 0 Cutter ent		Clean carefully the Reader	e Optical Read	Depth ren 100 Pieces	¥ 0		Copy	
		$\triangleleft$	0					

• COPYING BY CARD

- Du		10.	<u>80</u>		
Clamp		01R-01J-	-02J		
Clamp s	ide	A			
Cutter		01D			
STOP		0		H m	
Pieces		1			
<b>Ö</b> Toker	n required	6			
Cut Spee	ed	100% [	SILCA]	(Internet)	
80	90	100	110		Clean the clamp
				C	ancel

At the end of the "Copy by data card" or "Copy by original" flow a window appears on your Tablet showing the cost of the operation (tokens consumed). This information is not visible if a UTP package is used.

<b>Contract 199</b>	Copy key		0
Clamp 01V Clamp side A Cutter 01F	Copy key Copy completed. Press Repeat to cut more copies or side 2 Token consumed: 1 Additional Token is required for a new copy or for cut	ting the second side : 1	FO
Stop	Close	Repeat	
0 Cutter entrance bef	ore STOP 0 Clean carefully the Optical Reader	Pieces 1	
X Clear	✔ Read		Сору
	⊲ 0		

- Com 199 6	Cut Dimple/Track	key - Card:	1572, Sn: 621		×	0
CARD 1872 SN 021 CODE	Cutting completed Cutting completed Number of keys cut: 1 Token consumed: 6		Ok		arections IS NIS	
		)			Info Card Queue of job Note Measurements	ě
		Ø	0	Cancel	🛩 Cut	X Clear

# Summary of TOKEN or UTP situation

In the Options menu of the Silca Futura program tap "**Token**" and then "**Info**" to view a summary of the data and statistics relating to the token system.

1400 🍝	Silca-Futura_093c	đ	*	¶-¶	٩	1	ø
Info	info	Token state					
ini o	1010	Token available		1400			
Calibration	Settings	Token consumed		100			
Settings	Log Files	Actual Token stat	istics				
		Annual consumpt	ion	100			
Maintenance		Average monthly	consumption	50			
		Estimate Token er	nd [days]	840			
Upgrades		Token virtual stati	istic				
Backup/Restore		Annual consumpt		100			
User series		Average monthly	consumption	50			
		Cost Token by typ	ie key				
		Dimple/Track keys	5	6			
		Standard keys		1			
		Vehicles keys		20			
	4		C				

"Real statistics" are calculated according to the actual consumption of the tokens purchased (when normal tokens are used).

"Virtual statistics" calculate average consumption of tokens when a UTP is in use. In this way customers can see how much they would have consumed in tokens if they had purchased individual tokens instead of the UTP option.

Tap "**Settings**" to edit the following values:

- Token alert threshold (number): indicates the point in numbers of tokens at which special warning messages are activated.
- UTP threshold alert (days): indicates the point in number of days at which special warning messages are activated.

A00 6		Silca-Futura_093c	đ	*	141		۹	1	O
Info	Info		Taluar an	(					
Calibration	Settings		Token alert th	eferences reshold [rumber] d Tokend Paid) thresh	old	200			
Settings	Log Files		alert [days]						_
Maintenance									
Upgrades Backup/Restore									
User series									
		$\bigtriangledown$		0					

Tap "Log File" to view the "last" operations carried out by the machine and saved in chronological order: token recharge; tokens consumed by a copy from the original; tokens consumed by a data card or code copy, etc.

nfo	Info	Log File Token		Full log passv	vord:	Gk
alibration	Settings	Date	Action	Param	Tokens Taken	Total Tokens
Settings	Log Files	2015.08.17 16:30:31	CARD	2354_END	20	1400
		2015.08.17 16:17:31	CARD	2354_END	20	1440
Aaintenance		2015.08.17 16:10:40	CARD	2354_END	20	1460
Upgrades		2015.08.04 13:42:27	CARD	1572_END	6	1480
shāranes		2015.08.03 09:24:57	COPY	END	1	1492
Backup/Restore		2015.08.03 09:24:18	COPY	END	1	1493
		2015.07.31 10:15:48	CARD	868_END	6	1494
lser series		2015.07.31 09:50:12	ADD	1500		1500
		2015.07.31 09:49:34	ADD	1500		1500

# **14 CHANGING TABLETS**

If a new Tablet is to replace the previous one, download/install the Futura APP. and the customized "Silca Keyboard".

Proceed as follows:

- 1) Connect the tablet <=> FUTURA in ACCESS POINT mode (Ch.7.3.4.a).
- 2) Open the browser CHROME (the CHROME icon is in the APPS page (...)) and enter the following addresses:

192.168.0.1/Silca.apk to download the APP

192.168.0.1/SilcaKeyboard.apk to download the keyboard



- 3) Tap the center bottom "Open all Apps screen" icon (
- 4) Enter "File Manager" and tap on "Downloads".





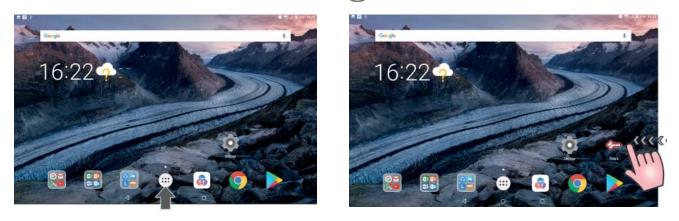
5) Tap on the 2 apps just downloaded for installation.

< > 0	≡ ⊘	Q, Search
Ψ Fast	Name *	Revision date Size Category
Downlo	🗇 Silca.apk	25/04/2018 10:03 2,52 MB Application
Docum	SilcaKeyboard.apk	15/07/2017 12:53 1,12 MB Application
Photo A		
# Loc		
▶ My Dev		
Main St.		

access to:			
	NEW	ALL	
This upda	ate requires	no new permissions.	

After you install the new FUTURA APP you should move the Silca FUTURA application icon for the main screen:

1) Tap the center bottom "Open all APPS screen" icon



2) Search for "Futura" icon

3) Tap and hold (keep pressing) the Silca Futura application icon and drag it to the main screen.

# **15 FUTURA PROCEDURE TO CLEAR CACHE**

Clearing the FUTURA APP Cache is recommended to improve the performance of the FUTURA APP. 1) Entering the Android Tablet Settings

Settings			۹
	*	All apps allowed to send	
	-	Sound Ringer set to vibrate	
		Apps 41 apps installed	
		Storage 8.16 GB of 16.00 G8 used	
	٠	Battery 46% – approx, 15 hra left	
		Memory Avg 1.2 GB of 2.0 GB memory used	
	÷	Users Signed in as Owner	
	Person	nal	
	9	Location	

2) Tap on "APPS" and then "FUTURA".

Futura 4.82 MB			

3) Enter "Storage" and tap on "CLEAR CACHE".

← Sto	orage					
<b>*</b> **	Futura					
	Storage					
	Total App Data					5.90 MB 5.68 MB 224 KB
		CLEAR DATA				
	Cache					4.60 MB
		CLEAR CACHE				
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