

# SOFTWARE OPERATING MANUAL

# FUTURA FUTURA *PRO*



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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)

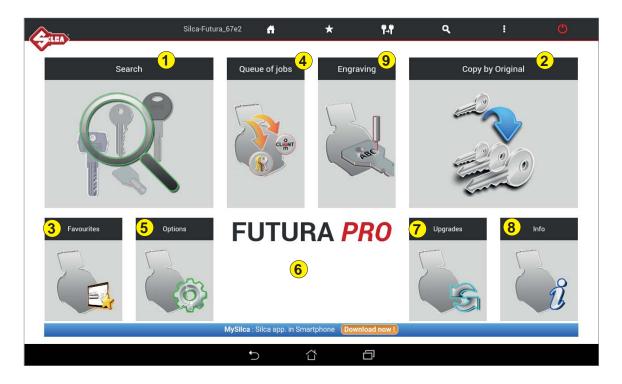
Cutting machine for:

- 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 by Original

Menu used to make a copy of a key by means of a laser reader (standard edge cut keys only).

#### 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.

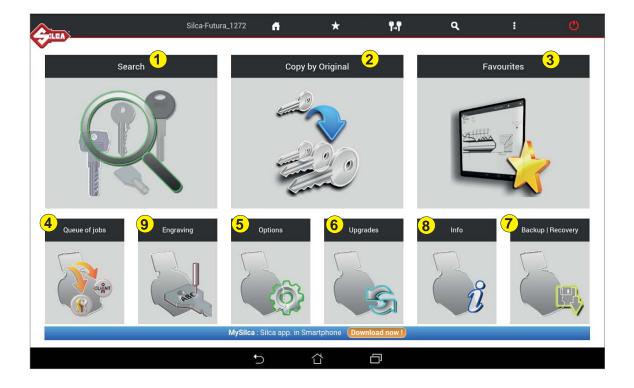
#### 8 - Info

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	A	*	¶₊¶	٩	:	Ċ
Silca-Futura_bbe3	Machine ID: sho	ws the name	of the FUTUR	A PRO machine			
<b>A</b>	Initial menu: tap	the symbol t	to go back to the	e initial menu.			
*	Favourites: tap t	the symbol to	view the data	cards/series sav	ved in the favori	tes menu.	
9.9	Copy by Origina	al: tap the syr	mbol for direct a	access to the "C	opy by Original	" menu.	
٩	Search menu: ta	ap the symbo	I for direct acce	ss to the "Searc	ch" menu.		
1	Information: tap	the symbol t	o view informat	ion about the Fl	JTURA PRO m	achine	
C	Turn off machine wait until the gree					•	

#### • 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.

ASUS 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.





#### • 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	4	*	¶- <b>1</b>	٩	1
info	Zero-point Calibration (Standard key)	General	l	Measurement Unit	Language		
Calibration Settings	Zero-point Calibration (Dimple/Track key)	Preferences Standard key Preferences		Language	武 English		
Maintenance	Options	Dimple/Track key		Comparatives Reference	Taliano 🚺		
Upgrades	Network setting			Nererence Key Manufacturer	German		
Backup/Restore User series					Spanish		
					Dutch		
					Portuguese		
					Czech		
		5 û		ð	Swedish		

#### • **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 ASUS keyboard)

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

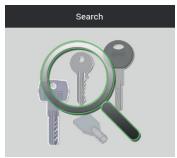
Update FUTURA: used to download new updates for the machine:

- 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.:  $HU66P - GT15R - YM28T2 \dots$ )

#### 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_bb17	# *	1-1	٩	1
Standard keys	Insert a searching parameter				
Code					
] Sn					
Y Key blanks					
Key Manufacturer					
Cuts					
Lock Manufacturer					
Cock system					
× Clear ✓ Search					
合	5				

#### **SEARCH Parameters**

Code: enter the indirect key-cutting code.

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

Key blanks: enter the Silca/Ilco 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 \_\_\_\_\_\_ 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> </u>	Silca-Futura_67e2	ñ	*	<b>1-1</b>	٩	1	Q
Vehicles keys	Insert a searching par	ameter					
Vehicle Make							
Vehicle Model							
- YEAR FROI • VEAR TO - •	1271						
Sode							
] _Card Sn							
💡 Key blanks							
Key Manufacturer							
Cuts							
× Clear ✓ Search							
			1405	_			
	Ú		ĊĊ	D			

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				×
	A	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	۷	w	х	Y	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.

<u>x.</u>		Silca-Futur	a_67e2	đ		*	¶-¶	٩	1	
Favourit	e Sn	Lock/System +	Profile	Series	Card 🚽	Туре	N° of cuts	INFORMATION	APPLICATIONS	
\$	583	Lancia Lybra (2T-8W)	DE	1-11210	1627	1	8;8;	Lock Manufacturer		
								TRW-SIPEA		-
						0	s 🎿			
Key blar	ks									
SIP18T					_		- Sa			
Key Mar	ufacturer				E CA	RD		Applications		
SILCA								ALFA ROMEO		
Stem ler	ngth							CITROEN		
2720								FIAT		
Hook po	sition							IVECO		
								Key blanks		
								SIP18T		s
								SIP22ARS1		
								SIP22EH2	8	5
								SIP22EHP	14	R

#### 2.6 DATA CARD/SERIE info

Favourite       Sn       Lock/System       Profile       Series       Card       Type       N* of cuts         ☆       7281       BC       1-6032       391       1       5;         ☆       7282       BD       1-6032       391       1       5;         ☆       7283       BA       1-6032       391       1       5;         ☆       7284       BB       1-6032       391       1       5;         ☆       7285       BK       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;         Key blanks       CS206       CS206       Key Manufacturer       SILCA	>				Si	ca-Futura_	bbe3	f	*	¶-¶	٩	1
☆       7282       BD       1-6032       391       1       5;         ☆       7283       BA       1-6032       391       1       5;         ☆       7284       BB       1-6032       391       1       5;         ☆       7285       BK       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;         CS206       E       1       CARD       Image: Core of the state		Favourite	Sn	Lock/System +	Profile	Series	<u>Card -</u>	Туре	N° of cuts	INFORMATION	APPLICATIONS	CAF
☆       7282       BD       1-6032       391       1       5;         ☆       7283       BA       1-6032       391       1       5;         ☆       7284       BB       1-6032       391       1       5;         ☆       7285       BK       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;         ☆       7286       BL       1-6032       391       1       5;          7286       BL       1-6032       391       1       5;           1-6032       391       1       5;            1-6032       391       1       5;            1-6032       391       1       5;            1-6032       391       1       5;		ŵ	7281		BC	1-6032	391	1	5;			-
		\$	7282		BD	1-6032	391	I.	5;			
		Ŷ	7283		BA	1-6032	391	1	5;	JPM		
\$\overline{2}       7286       BL 1-6032       391       1       5;         +- Previous       1       2       3       -       8       Next +       Image: Cylinders (Various Makes)         Key blanks       CS206       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)       Image: Cylinders (Various Makes)         SilcA       Image: Cylinders (Cylinders		☆	7284		BB	1-6032	391	E.	5;			
☆     7286     BL, 1-6032     391     1     5;       ← Previous     1     2     3		☆	7285		BK	1-6032	391	1	5;			
← Previous         1         2         3         —         8         Next         →         Iccarb         Iccarb		\$	7286		BL	1-6032	391	£.	5;	and the second se	MAKES )	
CS206 Key Manufacturer SILCA Stem length 2700 Key blanks AB1 CS206 CS206BZ CS206BZ		+- Previou	s 1	2 3	8 Next	+		4	1			
CS206 Key Manufacturer SILCA Stem length 2700 Key Dlanks CS206 CS206BZ		Key blanks		(0	2							
SILCA AB1 CS206 CS206BZ CS206BZ		CS206		( @			_					
SILCA         AB1         Sec           Stem length         CS206         Sec           2700         CS2068Z         Sec		1000 0 10 10 10 10 10 10 10 10 10 10 10	cturer	NI.	5			CARD		and the second sec	Parme.	
2700 CS206BZ											2.00	
		2700		U	,					CS20682	<u></u>	(
						5	đ		Ē			

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 <del>v</del></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.

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.

Cylinders		
ABUS		
EC 75/30	AB62	
EC 75/40	AB62	

**CARD:** shows information relating to accessories needed for cutting keys with APPLICATIONS INFORMATION D942570ZF Part Nu D743254ZB

U

#### **KEY BLANK**

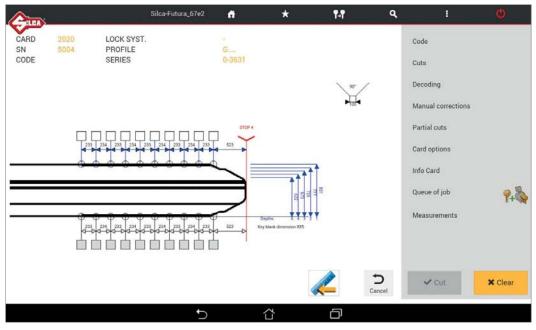
To gain access to additional information regarding the Silca key blank simply tap on the following icon

- 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	lca-Futura_c43a	*	*	9.9	۹.	1
	Favourite	Key blank Info	ormation					* APPLICATIONS	CARD
	ŵ								
	\$	Alternatives	Comparatives	Lock Manufacture	er				1
	¢	Key blank							
	\$	UL050							
	\$	AB1							
		UL050E							
	\$P	UL050L						AKES)	Ť
	1 100 10	UL050H						)	1
	+ Previous	UL050X							
	Key blanks	CS206BZ							
	CS206								
	Key Manufac								
	SILCA							200	
	Stem length							200	+
	2700			ol.	84.57			ود.) ه.) ه.)	
				Clo	ose				
		-				_		_	
					~	_			
谷				5 í	Ĺ	D			

# 2.7 Using a CUTTING DATA CARD

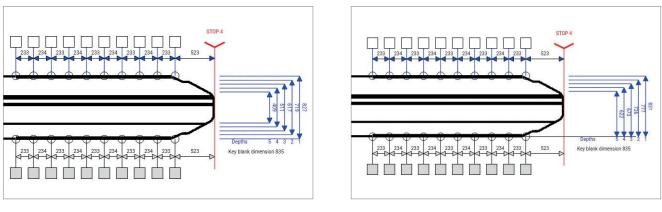
#### Example:



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:



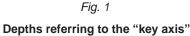
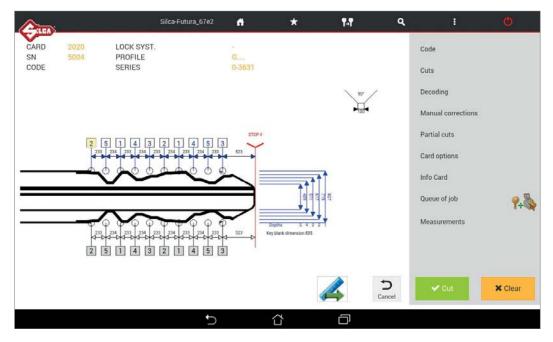


Fig. 2 Depths referring to "key back" (i.e. the plate/bottom of the clamp)

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).

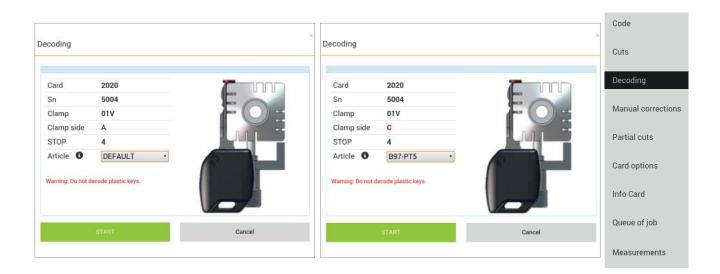
Tap on "Queue of Job" to display the list of jobs available.

• **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.

N.	Simbol	Nominal value	Depth	Offset
1	2	705	713	-8
2	5	510	513	-3
3	4	575	578	-3
4	3	640	645	-5
5	4	575	584	-9
	4 / key with measure		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.

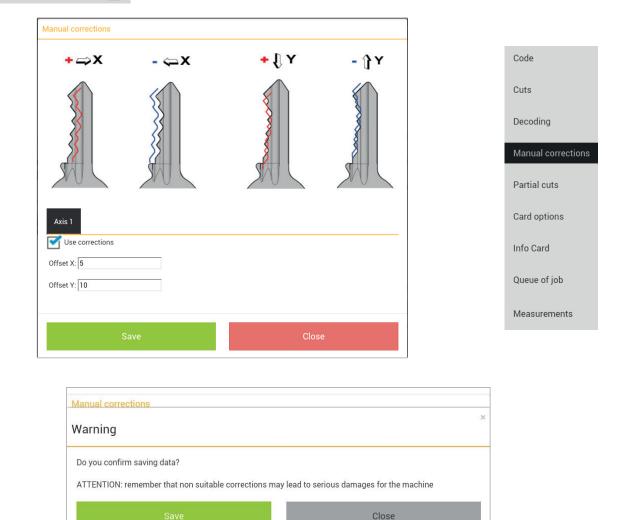
NOTE: when decoding standard keys, you must use the clamp side designated by the software as well as the stop position designated in order to decode the key properly. Use of other clamp positions or stop positions will result in a misread key. Once decoded, should you receive the message "key blank not 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.

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	
50100		

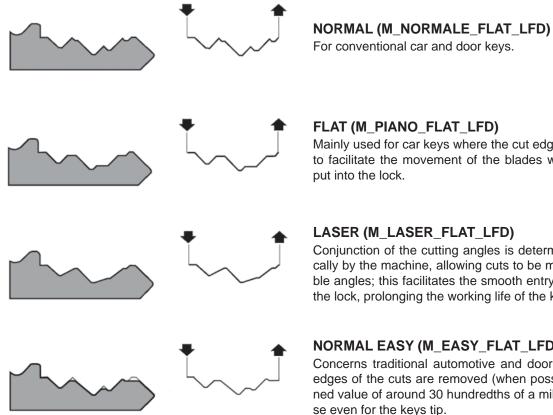
- The list of keys shown in the cutting tree coincides with the list of keys shown in the "Partial cuts" window; however, here the keys are listed according to Groups, Code and Cuts in order to reduce to a minimum the number of key blanks to be used.
- The box at the top of the screen shows the maximum 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

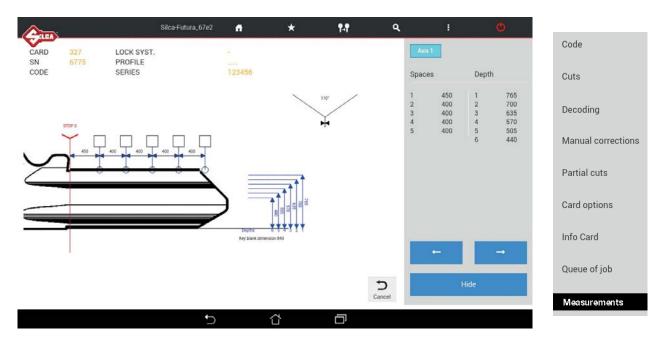
• **INFO CARD:** views information about the clamp, side and stop to be used, cutter and key blank.

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

		Silca-LFD b657 🛛 🐣	+ •.•	<u> </u>	
CARD 391	Card Info				Code
SN 728		01F	0	T T	
	Key blank	CS206	0		Cuts
	Clamp	01V	0	Pr 11 an	Decoding
STOP 8	Clamp side	В			Decoung
	STOP	0		Clamp: 01V Part number: D942846ZR	Manual corrections
				ins	Partial cuts
		Ok		[Note]	Card options
		Detthy 7.6.5.4.3-7.1		Queue of job	Card options
		Key black dimension 780		Queue or Job	Info Card
4				Measurements	
					Queue of job
			Ð	✓ Cut X Clear	
			Cancel	Clear	Measurements
	ţ		Ō.		

• **[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		
	STOP	2		
_	Use any clamp			
1	Pieces	1		
	Steps	1	Clean the clamp	9.8
	START		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	2 <b>9</b> . 1
CAND SN CODE	Clamp: 01R-01J-02J Clamp side : A Cutter: 01D STOP: 0	ko
	Pieces: 1 Velocità di taglio 100% [SILCA] 80 90 100 110	- 9-1
	START Cancel	
		- Cear
	5 û <b>6</b>	

#### 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			
	STOP	2			
	Pieces	1			
	Steps	2	-		
	Cut Speed	100% [SILCA]	(every)		9
	80 9	0 100 110		Clean the clamp	
				-	
		START	Cancel		

The following can be set:

Pieces: indicates how many keys you wish to cut.

Press START to begin the procedure.

# **3 COPY BY ORIGINAL**



Tap "**Copy by Original**" to start the procedure for copying an original key using the laser reader as an optic reader device.

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.

<u>Au</u>	Silca-Futura_bbe3	ñ	*	¶ <b>-</b> ¶	٩	1
Clamp						
01V						
Clamp side						
A						
Cutter	VE					
01F						
Stop						
0						
Cutter entrance before STOP 0						
outer enhance before of or o	Clean carefully the Optical Reader					
	neader					
	and the second se					
🗶 Clear	🗸 Read					
谷	5 í	ř	ð			

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.

۹ . \* 1-1 Clamp Clamp Offset 01V χũ Y 0 Clamp side A Cutter 01F Depth removal step Stop 250 0 Pieces 1 Cutter entrance before STOP 0 Clean carefully the Optical Reader ✓ Read X Clear 5 0

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

#### 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.

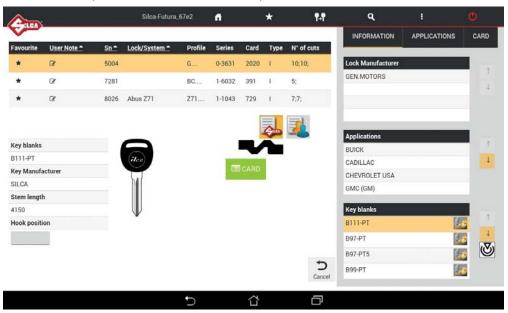
NOTE: the Copy by Original function will cut the key exactly as read if no manual adjustments are made. If you are copying a worn key and do not make manual adjustments, the cut key will be an exact duplicate of the original worn key. To copy a worn key back to OEM specifications you should use the "Search" 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.

# 4 FAVORITE'S

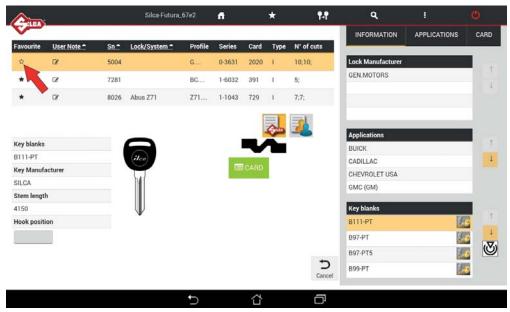


The FAVORITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys, Dimple/Track keys). Saving data cards to the favorites menu will eliminate the time spent searching for frequently used cards.

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

ê			Silca-Futura_67e2	A		*	94	<u>م</u>	:		Q
Que	eue	of jobs			1	🗲 Back	Select All	Delete Job	s 💼 🛛 Modify Pi	eces 🗭	Start 🕨
	Stand	ard OEM									
1	ID ¢	Description ¢	Code \$	P	*		117	Article \$	Date mod	dified \$	
	12	2020	G			0	1	•	05/10/20	017, 12:18:24	i
V	14	Abus EC75 30-40 RH EC 635	D8		0		1	AB62	05/10/2	017, 12:24:02	2 1
Job T	ype	Card No.	Series No.	Cuts			Text	Model	Status	Quantit	y
		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
				Ð	Ĺ	ł	G				

- 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

i

- ldentifies STANDARD cuts
- Identifies ENGRAVING

Extra information

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

		Silca-Futura_67e2	ñ	* 1-	<b>!</b> વ	I.	Q
Queue of	jobs	+ Back	OEM Management	Deselect All	Delete 🗎 🛛 U	Ipdate <b>2</b> History	Q Start 🕨
Standard	OEM						
1 Creation dat	e ¢ System No. ¢	Key No. \$	Article \$	A		Date modified \$	Run.No. \$
23/07/2017	CP4	F000101		0	1	23/07/2017, 10:41:03	1 1
Job Type Descri	iption	Tex	t Mod	el :	Status	Quantity	
C6L F0	000101				Queued	0/1	
-94							

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 🛱	*	¶-1	٩	1	Q
Info	Machine data		SOFTWARE O	perating Guide		23/7/2017 09	57:30
Calibration	Program name FUTURA PRO					20/1/2011 03	
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 Machine Info	OEM MOTTURA	: 1/2017				
	Model	FUTURA PRO					
	Machine ID	0008					
	Serial Number	1153181182202	6				
	Mac-Address		1 - 00:21:f3:06:67	:e2			
	IP Address	10.39.6.117 - 1					
	Hardware Version	4.0					
	Firmware Version	1.4					
	Card Info						
	Standard keys cut	5					
	Dimple/track keys cut	13					
		5	습	Ē			

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.

# 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:

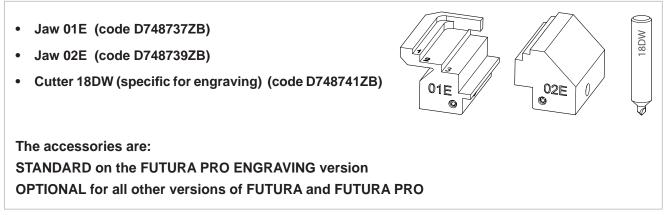
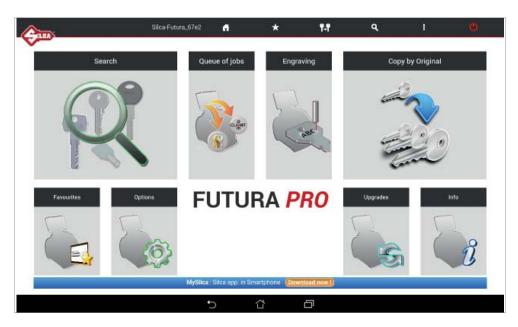


Fig. 4

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



ATTA	Silca-Futura_67e2 👫	*	¶ <b>.</b> ¶	٩	1	Ø
User Engraving Mode	ls				← Back	+ New Model
Preview	Model Name					
$\square$	CS62				🕼 Modify	圈 Delete
$\bigcirc$	CS62 TEST				🕼 Modify	Delete
SILCA Italy	ISEO				🕼 Modify	Delete
	ISE02				G Modify	Delete
	кз				C Modify	Delete
	K3 like				🕼 Modify	Delete
h ann	SCM3RP				C Modify	Delete
պորթ	TONDO				🕼 Modify	B Delete
	Ð	ά	ð			

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.

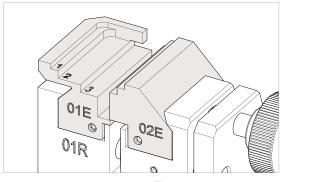
(ALLAN)		Silca-Futura_67e2	ń		*	¶- <b>1</b>	¢	۲	1	
User Mode	el Editor							← Back	Save 3	Engraving 🕨
	0				Model Name	CS62 TEST		Clamp	01R-01E-	02E • 🛈
					Cutter	18DW	• 0	Flat side	2	• 0
		Ý			Depth Engraving	10	0	Thickness Key	300	
		LCA			Key blank t	ype				
					🖲 Silca k	ey blank	CS62			
					Custon	nised	2335		4000	
					B Rows o	of text			J Front	+ Add a row
					Row Tex	rt				
	٦A.				1 SIL	.CA		Token 🗮	±.	<b>=</b> 8
	Ц		_		2 Ita	ly		Token 🗮	±	<b>a</b> 🔒
<b>1</b>	X Y	-1060								
- 0 -	Angle	360 1	3	1+						
	Width	2120			4					
1	Height	200	1992							
			Ĵ		샵	G				

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.

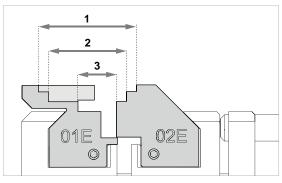
ATTENTION: objects MUST BE METAL, NOT STAINLESS STEEL. Materials such as wood, paper, plastic and ceramics cannot be engraved. Make sure the surface of the object to be engraved is flat.

#### 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

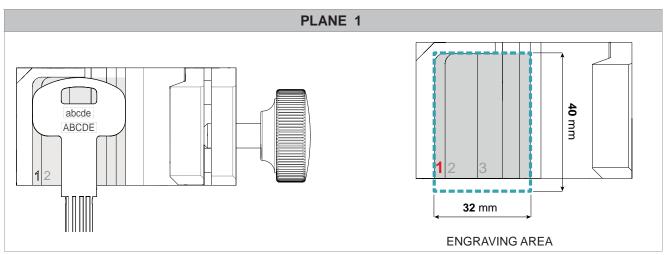
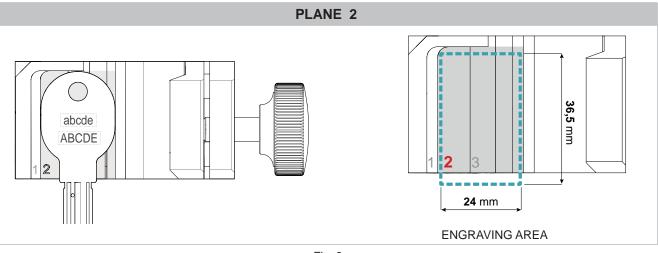
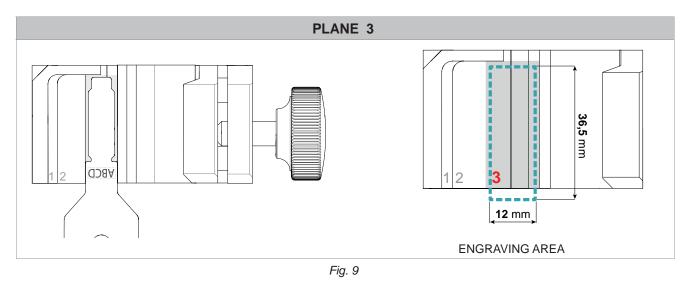


Fig. 7







#### • 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:

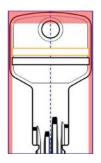
Т [00]	Replaced with the name or number of the key in a master key system
T [05]	Replaced with the number or name of a master key system
T [10]	Replaced with the 'Progressive Counter' field for a key in a master key system

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]	

T[00]Replaced with an INDIRECT cutting CODE or Replaced with the name or number of the key in a master key systemT[01]Used for special applicationsT[02]Replaced with customer Name assigned to a master key systemT[03]Replaced with the PROFILE field for the lock system involvedT[04]Replaced with the SERIES field for the lock system involvedT[05]Replaced with the number or name of a master key systemT[06]Replaced with the constant part of an INDIRECT cutting CODET[07]Replaced with the variable part of an INDIRECT cutting CODEIncreaseA progressive number is printed on the basis of the set parameters. The numerical set	
T[01]Used for special applicationsT[02]Replaced with customer Name assigned to a master key systemT[03]Replaced with the PROFILE field for the lock system involvedT[04]Replaced with the SERIES field for the lock system involvedT[05]Replaced with the number or name of a master key systemT[06]Replaced with the constant part of an INDIRECT cutting CODET[07]Replaced with the variable part of an INDIRECT cutting CODEIncreaseA progressive number is printed on the basis of the set parameters. The numerical set	
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 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 set	
T[03]Replaced with the PROFILE field for the lock system involvedT[04]Replaced with the SERIES field for the lock system involvedT[05]Replaced with the number or name of a master key systemT[06]Replaced with the constant part of an INDIRECT cutting CODET[07]Replaced with the variable part of an INDIRECT cutting CODEIncreaseA progressive number is printed on the basis of the set parameters. The numerical set	
T[04]Replaced with the SERIES field for the lock system involvedT[05]Replaced with the number or name of a master key systemT[06]Replaced with the constant part of an INDIRECT cutting CODET[07]Replaced with the variable part of an INDIRECT cutting CODEIncreaseA progressive number is printed on the basis of the set parameters. The numerical set	
T[05]Replaced with the number or name of a master key systemT[06]Replaced with the constant part of an INDIRECT cutting CODET[07]Replaced with the variable part of an INDIRECT cutting CODEIncreaseA progressive number is printed on the basis of the set parameters. The numerical set	
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 set	
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 set	
Increase A progressive number is printed on the basis of the set parameters. The numerical set	
Function 1       ce can be filled by zeros to maintain the width of the text unaltered.         Example:       Intractive Intervention         Increase       Intervention         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 be filled by zeros to maintain the width of the text unaltered.         Example:       Intervent         Increase       Intervent         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 be filled by zeros to maintain the width of the text unaltered.         Example:       Intervent         Intervent       Intervent         Setting a quantity of 2 results in:       - 01         - 01       - 02         - 02       - 03	
- 02 - 03	
- 03	
 - 10	
- 10	
To obtain this result, when 2 pieces are finished, repeat the operation until the re- sequence is ended.	quired
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	
T[12] Used for special applications	

## • POSITIONING TEXTS WITHIN THE ENGRAVING AREA

To MOVE the text area (right, left, up, down).								
	To m ᡗ+	ake the height or width of the text area SMALLER or LARGER.						
- <del></del>	0	Centre button for ROTATING the text area by increases of 90°.						
T X	-1060	Centre button for ROTATING the text area by increases of 90°.						
	-1060 1100	Centre button for ROTATING the text area by increases of 90°.						
X		To fine tune positioning and dimensions of the row of text, all the measurements						
X Y	1100							

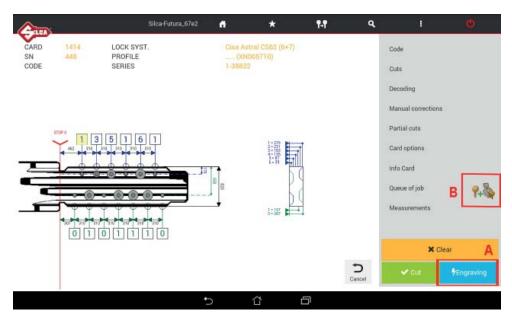


ATTENTION: the RED area corresponds to a safety zone which must be out of the tool's reach. Each clamp plane (1, 2 and 3) has a different area.

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 Clamp Cutter Flat sid Engravi	ing depth 10	Y 🖹 🖉	SILCA Italy
Rows of t	ext	Ĵ Front	
1 SII 2 Ita	lCA	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	the type of job:	
		🖌 Cut	🕑 Engraving	1
Model	CS62 TEST •	T	8	
Clamp	01R-01E-02E			
Cutter	18DW			
Flat side	2			SILCA Italy
Engravin	g depth 10			
Rows of tex	t		1 Front	
1 SILC	A			
2 Italy				
			0	
	ОК			CANCEL

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.

ALLAN	Silca-Futura_67e2	n +	¶-1	٩	: 0	
User Model Editor				<b>€</b> Ba	ack 🛛 Save Engravia	ng 🍋
E		Model	Name CS62 TEST	Clamp	01R-016	0
		Cutter	180W	G Flat side	2	0
	LCA	Depth Engrav	ing 10	O Thickness Key	300	
	aly	Key bl	ank type			
		() s	ilca key blank	CS62		
		() c	ustomised	2335	4000	
		<b>B</b> <sup>R</sup>	ows of text		J Front + Add a	a row.
	•.	Row	Text	يو بي موريد	 دیست والاوالا	
		1	SILCA	Token	1 1 1	8
<u> </u>		2	Italy	Token	t t f	iii
	1060					
← ⊕ → Angle	360 1- 3	I +				
	2120					
neight	200	ď	ð			

#### 3) From JOB QUEUE

4			Silca-Futura_67e2	2 🖪		*	ţ.	-1	٩	1		O)
Que	eue	ofjobs			1	🗲 Back	Select A	ll 🗹 🛛 Dei	ete Jobs 🗟	Modify Piec	ses 🗹	Start 🕨
	Stand	ard OEM										
1	ID ¢	Description ©	Code \$	P	*	1	1	Article 0		Date modif	lied \$	
	12	2020	G			0	1	*		05/10/201	7, 12:18:24	i
	14	Abus EC75 30-40 RH EC 635	D8		0		1	AB62		05/10/201	7, 12:24:02	i
⊻	16	Cisa Astral CS62 (6+7)	(XN005710)	0			1	AB48		05/10/201	7, 16:16:05	i
Job T	ype	Card No.	Series No.	Cuts	Text			Model		Status	Quantity	6
3		1414 🗷	448		1:SILCA	; 2:italy;		CS62 TEST	1	Queued	0/1	

5 6 8
-------

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)

<u>}</u>	Silca-Futura_676	12 📫	*	¶-¶	٩	1	O
into	Machine data		🧊 SOFTWARE (	Operating Guide		23/7/2017 09	57-30
Calibration	Program name FUTURA PRO			Im	0	25/1/2011/05	.57.50
Settings	Upgrade Version			111	• \		
Maintenance	Program due date	100					
wanterance	Program Version	3.3.80					
Upgrades	Dimple/track key Database Version	4.01		L	-		
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 MOTTUR	A: 1/2017				
Course markes	Machine Info						
	Model	FUTURA PRO					
	Machine ID	0008					
	Serial Number	115318118220	12				
	Mac-Address	00:21:f3:06:67	e1 - 00:21:f3:06:6	7:e2			
	IP Address	10.39.6.117 -	192.168.0.1				
	Hardware Version	4.0					
	Firmware Version	1.4					
	Card Info						
	Standard keys cut	5					
	Dimple/track keys cut	13					
		5	۲	ð			

#### 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 Manual". 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	ñ	*	₽₊₽	٩	4
Info	Clamps Standard keys	Ċ	Cancel				
	Clamps Dimple/track keys	Cutter Template		01F Z3			<b>?</b>
Settings	Mobile Tracer	Clamp cali Offset X	brated	-4			
Maintenance	Standard key Adapter	Offset Y Reader Off	in at V	4			A-11 0
Upgrades	Dimple/track key Adapter	Reader Off		1			Start
Backup/Restore		Side A	Side B	Side C Sid	e D Side F	Side H	
User series			<b>Manual (</b> Offset X Offset Y	Corrections		¥ •∉∭	<b>*</b> - <b>*</b> -
				Clear Save		-	-
		5 û	ι.	D			

#### Tap START to begin calibration.

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

Standard key clamp ca	libration		×
ATTENTION			8
Clamp:	01V		
Clamp side:	А		
Stop:	0	(( ))	
Cutter:	01F		
Template:	Z3		
Clean carefully the Optical Rea	ader		
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	ñ	*	¶- <b>1</b>	٩	1
Info	Clamps Standard keys	Clamp			Clamp calibrated		
	And the second second second second	01R-01J-0			*		
	Clamps Dimple/track keys	01R-01J-0	)4J				
Settings	Mobile Tracer	01R-03J-0	2J				
111		01R-05J-0	16J				
Maintenance	Standard key Adapter	01R-07J-0	18J				
Upgrades	Dimple/track key Adapter	01R-09J-1	OJ				
		01R-11J-0	2J				
Backup/Restore		01R-12J-0	)2J				
User series		01R-13J-0	12J				
		01R-14J-1	5J				
		01R-16J-1	7J				
		01R-18J-0	12J				
		01R-19J-0	12J				
		01R-20J-2	1J				
谷		5 1	L Y	ð			

<u>Aun</u>		Silca-Futura_bbe3	ñ	*	¶₊¶	۹	1
Info	Clamps Standard keys	Ð	Cancel				
	Clamps Dimple/track keys	Tracer Clamp ca	librated	02T			-
Settings	Mobile Tracer	Clamp sid	de	A -1		013	
Maintenance	Standard key Adapter	Offset Y		-4			
Upgrades	Dimple/track key Adapter	Offset Z		1		Sta	rt
Backup/Restore		100	8.0				
User series		Clamp					
			Manual C Offset X	orrections	i	t all a	
			Offset Y Offset Z				x
						+=😒	·· ··
			Cle			Z	
		5 í	d ć				

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

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

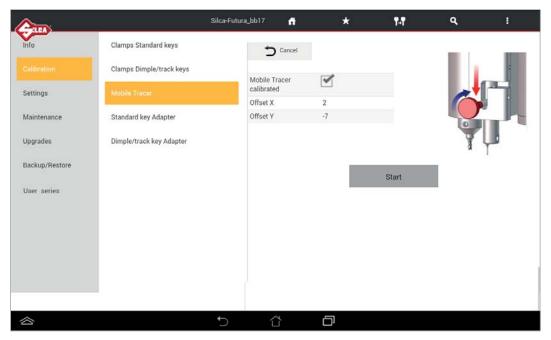
#### MANUAL CORRECTIONS

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.



- 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,	_bbe3	ñ	*	¶•¶	٩	1
Info Calibration Settings Maintenance Upgrades	Clamps Standard keys Clamps Dimple/track keys Mobile Tracer Standard key Adapter Dimple/track key Adapter		Adapter B6-Simplex B14-Esety Or	nega	1	Ŷ	Clamp 01V 01V	
Backup/Restore User series			Clamp side	Manual Correc Offset X Offset Y Clea	r Save		•• <b>i</b> i•	×
		Ĵ	Ċ1	á	р			

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

		Silca-Futura_bb17	ñ	*	¶+¶	٩	1
Info	Clamps Standard keys	Adapter A18		Clam	01J-02J		
	Clamps Dimple/track keys	A34			01J-02J		
Settings	Mobile Tracer						
Maintenance	Standard key Adapter						
Upgrades	Dimple/track key Adapter				A18		
Backup/Restore		Clamp :	side A				
User series				orrections		Y	
			Offset X Offset Y			_ <b>+</b> ≠   ⇒	- <b>*</b>
			Offset Z				×
			Cle	ear Save	,	+= 😒 1 Z	- **
		5 í	3 d	7			

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

## 7.3.1 Zero-point Calibration (STANDARD key)

Tap START and follow the instructions on the screen.

		Silca-LFD_b657	<b>fi</b>	*	¶-¶	٩	1
		Standard key					
Info	Zero-point Calibration (Standard key)	Clamp:	01V				
Calibration	Zero-point Calibration	Clamp side:	A				
	(Dimple/Track key)	Template: Calibrated:	Z3 Yes				
Machine	Options	Zero-points X,Y:	97, -6				
maintenance	Network setting						
Upgrades				St	art		
Backup/Restore							
User series							
	÷	$\Box$	Ū		51	_	
	, _			L			

achine Zeros-poi	nt of Standard key	/
ATTENTION		
Clamp:	01V	
Side:	А	
Stop:	0	
Cutter:	01F	
Template: Clean carefully the Optic:	Z3 al Reader.	
STA	RT	Cancel

N	lachine Zeros-point of Standard key	x				
	ATTENTION					
	Attention ! This operation will delete any clamp calibrations of Standard key. Remember to calibrate again the clamps.					
	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.

A 1-1 ۹ × 1 **2** Zero-point Calibration (Standard key) Info Clamp: 01R-01J-02J Calibration Tracer: 02T Calibrated: Yes Zero-points X, Y, Z: 174, -199, -28 Options Machine maintenance Network setting Start Upgrades Backup/Restore User series  $\Box$ 

Machine zero-	points Dimple/Track	
Clamp:	01R-01J-02J	
Side:	Α	
Tracer:	02T	
	r the clamp and the tracer. Totally p.	
Clean carefully close the clam		

N	lachine zero-points Dimple/Track	×
	ATTENTION	
	Attention ! This operation will delete any clamp calibrat calibrate again the clamps of Standard keys.	ions of Standard key. Remember to
	Ok	Cancel

Ν	lachine zero-points Dimple/Track	:	×
	Machine zero-points detected Offset X = 175 Offset Y = -199 Offset Z = -27		
	Save the calibration ?		
	Yes	No	

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)

		Silca-Futura_bb17	<b>fi</b> *	f <b>1.1</b>	٩	1
Info Calibration Settings Maintenance Upgrades Backup/Restore User series	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key) Options Network setting	General Preferences Standard key Preferences Dimple/Track key	Measurement Unit Comparatives Reference Key Manufacturer	Measurement Unit Hundredthe of a Millime Thousandths of Inch	nai	
		5 û				

• Language

		Silca-Futura_bb17	fi *	¶-¶	٩	1
Info	Zero-point Calibration (Standard key)	General Preferences	Measurement Unit	Language		
Settings	Zero-point Calibration (Dimple/Track key) Options	Standard key Preferences Dimple/Track key	Language Comparatives	English		
Maintenance Upgrades	Network setting	Diliple/ Hack Key	Reference Key Manufacturer	German		
Backup/Restore			Wandlacturer	French		
User series				Dutch		
				Portuguese		
				Na Czech		
				Swedish		
		5 Č	D			

• 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.

2		Silca-Futura_bb17	<b>A →</b>	k 14	۹ :	
Info	Zero-point Calibration (Standard key)	General	Measurement Unit	Comparatives		
Calibration	Zero-point Calibration	Preferences Standard key	Language	0000		
Settings	(Dimple/Track key)				Select All	
Maintenance	Options	Preferences Dimple/Track key	Enabled display Notes	BOERKEY	Deselect All	
Upgrades Backup/Restore User series	Network setting		Notes Comparatives Reference Key Manufacturer	CANAS COLE CURTIS DOM.LOCK		
				RR		
				R.CLOVER SILCA		
				TAYLOR		
~		6	_			
		t) Č	- C			

#### • 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.

 $^{\ast}$  keys that are not produced by Silca (copyright - obsolete - new keys)

		Silca-Futura_bb17	<b>fi *</b>	<b>1-1</b>	٩	1
Info	Zero-point Calibration (Standard key)	General	Measurement Unit	Reference Brand Sel	ection	
Calibration	Zero-point Calibration (Dimple/Track key)	Preferences Standard key	Language	• ILCO		
Settings	(Dimple/Track key) Options	Preferences Dimple/Track key	Enabled display	SILCA		
Maintenance	Network setting		Notes			
Upgrades	Network setting		Comparatives			
Backup/Restore			Reference Key			
User series			Manufacturer			
谷						

#### 7.3.3.b Preferences STANDARD key

<b>C</b>	Silca-Futura_67e2	ñ	*	¶ <b>-</b> ¶	٩	1	Q
Info	Zero-point Calibration (Standard key)	General	Set	preferences		Sa	ve
Calibration	Zero-point Calibration			itting check leck installed key			
	(Dimple/Track key)	Preferences	Vs Us	e any clamp (Only f metrical keys)	or		
Maintenance	Options Network setting	Dimple/Track key					
Upgrades	Registration		Minimur	n distance from STO	P 0 5	0	
Backup/Restore							
User series			Rect	tify key STOP			
				Ť.		TOP Rectification	
				х	_	Key Stop Height Y	
			7			Depth H	
				ð		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.

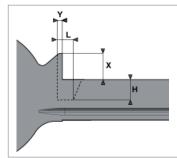
#### ATTENTION: option valid for CUTTING only (NOT DECODING).

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

<b>A</b>	Silca-Futura,	_67e2 📫	*	¶ <b>-</b> ¶	۹	i	Ø
Info Calibration Settings Maintenance Upgrades	Zero-point Calibration (Standard key) Zero-point Calibration (Dimple/Track key) Options Network setting	General Preferences Standard key Preferences Dimple/Track key	Use mobil Carriage s	e Tracer peed at rapid ing speed selector	3000		
Backup/Restore	Registration		Enable en	graving			
User series Code Maker					Save		
		5 Č	ć	p			

**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. 10

		Silca-LFD_b657 🚮	*	<b>1-1</b>	۹	:
Info	Zero-point Calibration (Standard key)	Access Point Mode				
Calibration	Zero-point Calibration		Access pr	pint Mode		
	(Dimple/Track key)					
Machine maintenance	Options					
Upgrades	Network setting	Local Network Mode	Local netv	unde mondie		
Backup/Restore			Local netv	Vork mode		
User series						
	$\leftarrow$		1 [	5*		

#### SOFTWARE Operating Manual

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 networks that are found; the machine will appear as **Silca-Futura\_...** 



<b>人口</b> •	<b>久田</b> •	💎 🚯 1830 A
Settings	← Wi-Fi	Q :
Wirpless & networks	On On	
Data usage	Silca-Futura_67e2	69
Oevice Display	SSV-DEVL Sayad	69
Sound & notification	Silca-Futura_192c	1
3 ASUS Cover	Silca-Futura_1272	60
Downloads		
Z Stylus	SSV-PROD Connected	30
B Power management	SSV-SPED	30
Personal		
Location	Gre SSV-WIBOX	30
Security	SSV-GUEST	ি
Ð	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).

× =												\$ 🖗	16:10
← Wi-	Fi			Silca-Fu	tura_192	c			1				Q :
On SSV-DEV Connected				Signal stren Poor Security WEP Password	gth								(0) (0)
Silca-Fut	tura_055a			112345	67890123	6							90
Silca-Fut	tura_bea5			Show p									50
SSV-SEF	RV				Cancel			Connect					10
COM MILE	ov.	_			_	-			_			_	-
1	2	3	4	5	6	7	8	9	0	G		đ	
q	W	е	ſ	t	у	u	i	0	р	[ {	] }		v
а	s	d	f	g	h	j	k	I	;	0	^	•	# ~
<b>±</b>		z	х	С	۷	þ	n	m	>	•	Ш	÷	/ ?
				-		@	#	\$	%	&	*	J	t
					$\nabla$	í	Ľ,	D					ŧ

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. 11).

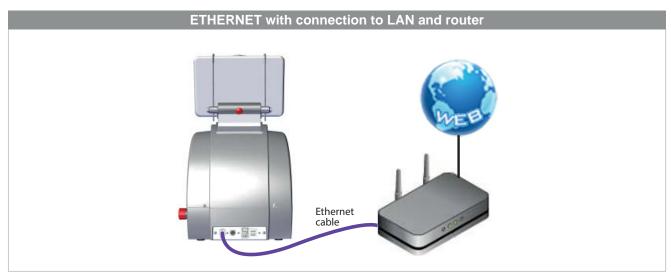


Fig. 11

#### 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. 12).
- an Ethernet cable is not connected to the machine port.

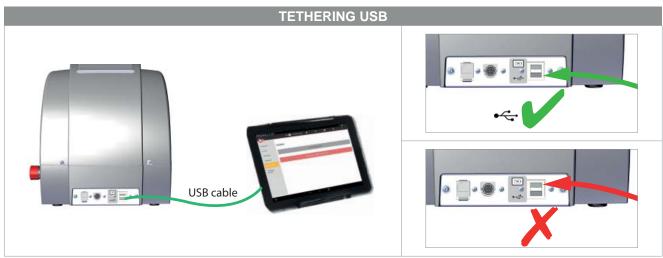


Fig. 12

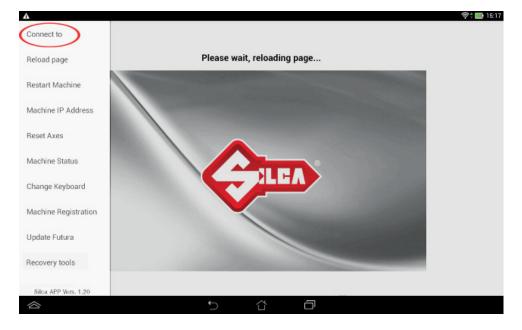
- 1) Connect the USB <u>cable</u> to the machine and Tablet (Fig. 12). Note: FUTURA has one USB port only.
- 2) Access "Settings" 🙆 on the Tablet.
- 3) Set "OFF" to disable the Wi-Fi.
- 4) In the Tablet "Settings" tap the "More..." icon and select the item "Tethering & Portable hotspot".

<b>人口</b> 9		🛜 i 🚺 1045 a
Settings		c
Wireless & networks		
🕤 WI-FI	Bluetooth	OFF
💿 Data usage	More	
Device		
O Display	S ZenMotion	
Sound & notification	O not disturb	
ASUS Cover	() Storage	
O Downloads	Apps	
지 않 🔢 🖽 🕈		💎 🔝 13.09 FM
S S S S S S S S S S S S S S S S S S S		RA 0000 €11 : ج Q
A STREAM AND		
← Tethering/hotspot portatile Tethering USB		م
← Tethering/hotspot portatile Tethering USB Con tethering		Q (@)
Tethering/hotspot portatile Tethering USB Con tethering Hotspot Wi-Fi portatile Configura hotspot Wi-Fi		Q (@)
Tethering/hotspot portatile Tethering USB Con tethering Hotspot Wi-Fi portatile Configura hotspot Wi-Fi Hotspot Wi-Fi My ASUS WPA2 PSK portatile		Q (@)

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	s 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. 13

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	e				
Calibration	Zero-point Calibration			Access p	oint Mode		
	(Dimple/Track key)						
Machine	Options						
maintenance	Network setting	Local Network Mod	de				
Upgrades				Local netv	vork mode		
Backup/Restore							
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 netwo	rk setting			×
SSID		SSV-GUEST		C
Password				J
Security option	SSV-GUEST			_
	SSV-DEVL			
	SSV-PROD			_
	Custom			
Local networ	k setting			×
SSID		SSV-GUEST		3
Password				
Security option		WPA2-PSK		
	Save		Close	

Local Network mode set successfull						
Local Network mode set successfu	11					
	Close					
Network setting	Local Network Mode	Local network mode				

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

	大田中	🖓 ( 🚺 1040
Settings	← Wi-Fi	٩
Wirelees & networks	On	
Data usage	Silca-Futura_67e2 Connected	1
evice Display	SSV-DEVL Saved	80
Sound & notification	Silca-Futura_192c	30
ASUS Cover	Silca-Futura_1272	
Downloads		
Z Stylus	SSV-PROD	30
Power management	SSV-SPED	30
ersonal	SSV-WIBOX	30
3 Location	OFF) SSV-WIBOX	
Security	SSY-GUEST	

## 3) REBOOTING THE FUTURA'S APPS

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

Connect to		Silca-Futura_bb17	ň	*	¶ <b>-</b> ¶	٩	1
Reload page	Zero-point Calibration (Standard key)	Access Point N	lode				
Restart Machine				Access p	oint Mode		
Machine IP Address	Zero-point Calibration (Dimple/Track key)			_			
Reset Axes	Options	Local Network	Mada				
Machine Status	Network setting Registration	LOCAI NELWORK	Mode	Local net	work mode		
Change Keyboard	E				_		
Machine Registration							
Update Futura							
Recovery tools							
Silca APP Vers. 1.20							
		5 í	Ľ7	ð			

Tap on "Start Search" in the following window.

Search the machine in the Network					
Set the number of Machine	es 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	Silca-Futurabb17						
Ontition sumbas of Markin	a in the network (0 – all) 1						
Set the number of Machines in the network (0 = all) 1							
Start search	Stop search						

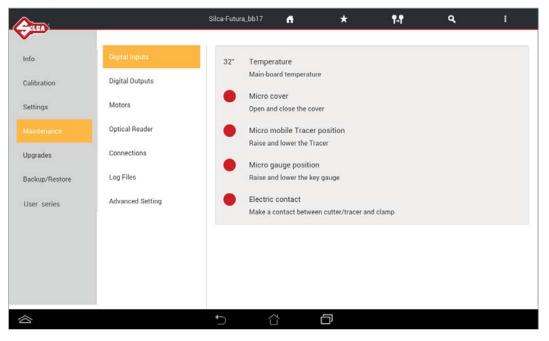
NOTE: the last mode setting will be automatically saved by the machine at each successive reboot; if the last set mode was LOCAL NETWORK and this mode is not recognized within a certain time frame the Futura / Futura Pro will automatically go to ACCESS POINT mode.

## 7.4 MACHINE MAINTENANCE

#### • Digital Inputs

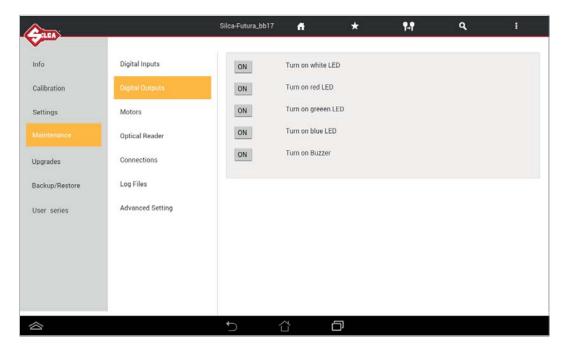
This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.

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.



#### • 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>Am</u>	_	Silca-Futura_bb17 👸	*	¶-¶	٩	1
Info Calibration	Digital Inputs	Motors				
Calibration	Digital Outputs	Motor	x	Y		z
Settings	Motors	Absolute position	0	0		0
	Optical Reader	Work position Zero-axis sensor	0	0		0
Upgrades	Connections		1			
Backup/Restore	Log Files					
User series	Advanced Setting		Reset	Axis		
		Cutters Motors	ey Cutter Motor	Dimple key Cu	tter Motor	
		5 4	Ð			

#### • 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".

Info       Digital linuts       Test Optical Reader threshold         Calibration       Digital Outputs       0         Settings       Motors       0         Vancessrappe       Connections       Statut Calibration Optical reader Calibration         Upgrades       Log Files       Advanced Setting         User series       Advanced Setting	¢		Silca-Futura_bbe3	ń	*	¶- <b>1</b>	٩	J.
Munscenarios         Optical Header:         Start Laier Calibration         Optical reader Calibration           Upgrades         Connections         Edg Files         Edg Files	Calibration	Digital Outputs	and the set of the set					
User series Advanced Setting	Maintenanse Upgrades	Optical Reader Connections	Start Lawer Gailtin	Optic	al reader Calibra	ation	•	
	User series	Advanced Setting						

- 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.

(Cater)		Silca-Futura_bb17	đ	*	¶.¶	٩	U.
Info Calibration Settings Maintenance Upgrades Backup/Restore User series	Digital Inputs Digital Outputs Motors Optical Reader Connections Log Files Advanced Setting	<pre>wiFi MODE == WiFi MoDE == WiFi MoC 00.f1/2 WiFi IP: 192.108. === ETH WODE === Ethernet MAC: 00: Ethernet IP: === UEB STATUS = USb inserted: Not USb inserted: Not USb inserted: Not USb version:</pre>	Point 3:aa:bb:17 0.1 # f1:23:sa:bb:18 				
		5 í	) i	5			

#### • 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. 14). 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	4	*	1-1	٩	1
Info	Digital Inputs	Save machine Lo	g Files into a l	JSB-PEN drive			
Calibration	Digital Outputs			2010/12/		_	
Settings	Motors			Save L	og Files		
	Optical Reader						
Upgrades	Connections	Send machine Lo	g Files to Serv	ver			
Backup/Restore	Log Files						
User series	Advanced Setting			Send L	og Files		
		5 í	7	٥			



Fig. 14 - Futura PRO

## Advanced Setting

Function for Silca internal use.

		Silca-Futura_bb17		*	¶-1	٩	8 <b>1</b> 0
Info	Digital Inputs			Password		1	
Calibration	Digital Outputs				Dk.		
Settings	Motors						
Maintenance	Optical Reader						
Upgrades	Connections						
Backup/Restore	Log Files						
User series	Advanced Setting						
谷		5 í	7-1	ð			

# 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 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>A</u> III)		Silca-Futura_bbe3	1	*	¶.¶	٩	1
info	Zero-point Calibration (Standard key)	Serial Number					0
Calibration	Zero-point Calibration	Waiting for Email confirma			ration, it's require IECK of this scree		ceived Email and
	(Dimple/Track key)	Serial Number	111111111	111			
Maintenance	Options	Company*	Silca Italia				
Upgrades	Network setting	Last Name	Silce				
Backup/Restore	Registration	First Name	Silca				
		Address	Via Podgora	18/20			
User series		Citys	Vittorio Vene	nto			
		Country*	it:				
		Email*	••••@silca			Resend the activ	vation email
				* Require	d Fields		
		Check		Regi	ster		
		t) (1	Ð				

#### 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		
our email address has no lick on the link below 1	address entered.		

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	ିଙ୍କ 🖬 16:17
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	

Tap "Machine Registration".

Connect to	+ + C is interviewed and back	varied,	( H O
Reload page	COLEN.		
		Please insert the Bertal Number of your machine	
Restart Machine	Serial Number		
	11111111111		0
Machine IP Address		Check	
Machine IP Address	¥0.2.8		
Reset Axes			
>>>>			
Machine Status			
Change Keyboard			
	+ -> O   E Internationworkshowskich	anual,	φ) <b>ε</b>
(Machine Registration)			
Update Futura	· · · · · · · · · · · · · · · · · · ·		
opource r order of		Registration - Machine NOT registered	
Recovery tools	Benal Muniber		
Recovery tools	Carpany*		
	Last None		
Silca APP Vers 1.20			
	First Name		
	Address		
	Ob.		
	Country*		
	E-mail*		
	C Privacy Policy		
	Lagyer: Idon'tagree		
		Register	
	1	Back	
	-		

- 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 validated. Click on the link below to validate the email address entered.

- 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, 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.

### 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. 15

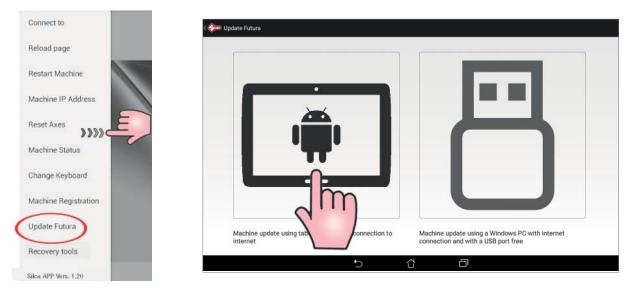
# ATTENTION: Make sure there is no USB PEN in the Futura / Futura Pro machine USB port during updating.

- 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. 16.
  - Enter the machine serial number (13 digits) and then tap "Check".

	+ · C B Http://www.alitawebowl	ble/kinowing/		요르
Connect to			10	0
Reload page				
	-	Please insert the Serial Namber of your machine		
Restart Machine	Serial Number			
inconstruction in a second sec	11111111111			Θ
Machine IP Address		Check		
	+ + C & http://www.skowiet.ov/	Seturnero/		(2)(重
Reset Axes				
Machine Status		Registration - Hacking registered		
	Seculification			
Change Keyboard	Cartury*	Sea Itala		
	Last Name	Sita		
Machine Registration	First Name	84a		
	Address	Via Podgara 18/20		
Update Futura	CR/*	Vitoro Veneto		
Carl 10 10	Coulty*	x.		
Recovery tools	Erraff			
	O Privacy Policy			
Silca APP Vers 1.20	Lagree 1 don't agree			
		Update		
		Back		

Fig. 16

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



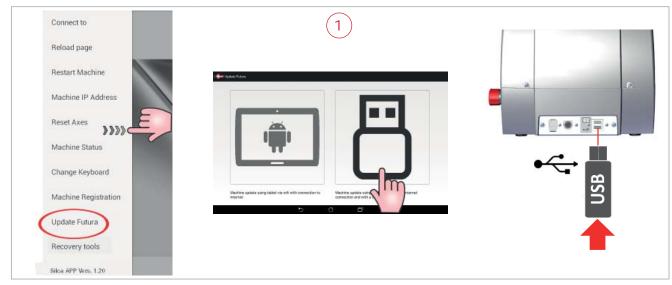


- Click on the tablet image (Fig.10) and follow the guided procedure (if the tablet is not connected to a Wi-Fi network you will see a screen from which a Wi-Fi network can be selected).
- When the new update has been downloaded you will be asked to re-start the machine so that the update will be applied 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. 18). 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. 19).

- 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).

- 3) Insert the USB PEN DRIVE into the special port on FUTURA PRO (Fig. 20). 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. 19

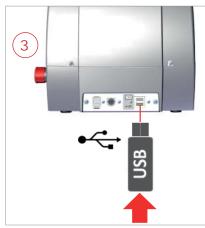
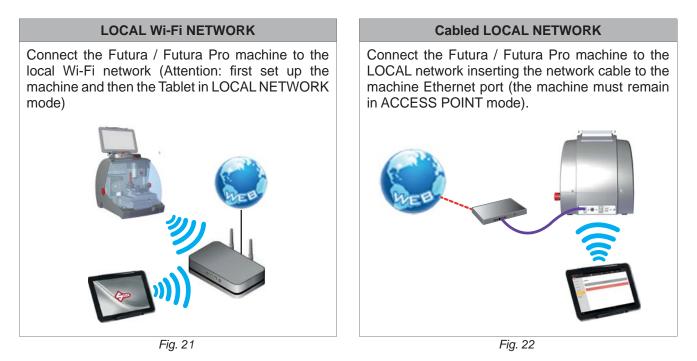


Fig. 20

### 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 👫	*	¶-¶	٩	1	Ċ
~							
Info	Upgrades						0
Calibration			Program Ve	rsion: X.X.X.X			
Settings				99.229.999.2299.949.949.949.949			
Maintenance			Check for n	ew upgrades			
Backup/Restore							
User series							
			~	_			
		Ð		Ū			
			Fig. 23				

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

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

	Ordenese Uneseda	×
	Software Upgrade	
Info	A new SW Upgrade is available:	News
Calibration	N. 2 components to be upgraded	
Settings	They will be updated:	
Maintenance	Futura application: Update level and password:	2.9.0
	Do you want to download the Software Upgrade ?	
Backup/Restore	No Yes	
User series		
~	5 û ē	
2		
	Fig. 24	

- 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. 25

Install the "Silca Remote Service" program on your PC. The program can be downloaded from the Silca website 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. 14, page 68.
- 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 Silca Remote 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. 14, page 68).
- 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.

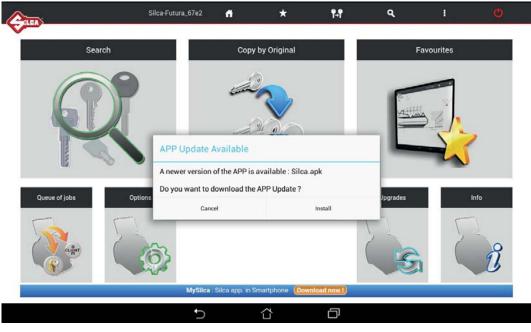


Fig. 26

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



Close the application that is opened by tapping on and dragging the Futura APP downwards off the screen (see Fig. 28).

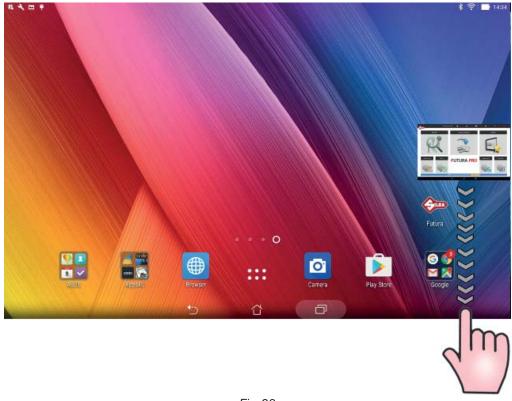


Fig. 28

Select "Downloads" from the tablet "Setting" menu 🔯 (Fig. 29).

Settings			C
Wireless & networks			
🜍 Wi-Fi	ON	8 Bluetooth	OFF
💿 Data usage		More	
Device			
🗿 Display		S ZenMotion	
Sound & notification		O not disturb	
ASUS Cover		Storage	
O Downloads		Ø Apps	
Ø Z Stylus		Battery	
Power management		ASUS Customised Setting	
Personal			
O Location	OFF	Lock screen	
6 Security		Accounts	
	5 í		

Select **Silca.apk** and tap on "Install" (Fig. 30).

exist	ou want to install ; ing data will not b ss to:			ing application? Your plication will get
		New	All	
DEVI	CE ACCESS	-		
	full network access view network conn view Wi-Fi connec	ections		
				Install

Fig. 30

Wait for the update to finish.

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. 14, page 68).

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	ň	*	¶₊¶	٩	I
Info	User Database Backup/Recov	very				
Calibration Settings	Backup User Database			Restore User Da	tabase	
Maintenance Upgrades						
Backup/Restore						
	Ċ.		D			

## **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. 14, page 68).

A	Silca-Futura_bbe3	đ	*	1-1	۹	Ø
Info	User series 📷					
Calibration	User series					
Settings			User Series m			
Maintenance						
Upgrades						
Backup/Restore						
	4	$\supset$	ά l	ð		

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

<b>A</b>	Silca-Futura_bbe	3 🖪	*	¶-¶	٩	1	O
User series 👔							
User Series ID	Card T	ype of key	Seri	es	Profile	Code No.	
Add series. Edt. Eliminate		5	ά i	ð			

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	A	*	<b>1-1</b>	٩	<u> </u>	Ø
User series 👔							.e.
/tmp/usb/test.CSV	Type of file	AML REED			Back	Next	
				<ul> <li>Insert the Re</li> <li>Select</li> <li>Select</li> </ul>	ng procedure the USB PEN into t fresh button. the type of file to t the file to import an creen.	e imported (csv o	r xml keso).
Hefresh							
谷	<u>+</u>	$\supset$	۲	ð			

- 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.

<b>E</b>		Silca-Futura_bbe3	A	*	₽₊₽	٩	ă.	O
User series	s 🛃							e.
Type of key	Standard Key	Dimple/Track Key	Vehicles Keys			12002	1000	-
Card	232					Back	Next	
Series	AB101-180				Ello importi	ng procedure		
Profile	AB				0100-00060200		eries description a	nd profilein
Cuts	Asse 1					ole to be imported :	and press Next to g	
	Numero Intagli:	1 2	3 4	5 6				
			Ð	샵	đ			

	Silca-Futura_bbe3	4	*	¶-¶ Q	4	Ø
User series 👔	series	۰.				
Makes Available	Makes S	elected				
SFB	SILCA			Back	Next	
SHOWA				1994 (1776)		
SIAM			8	File importing procedure		
SICMA					kes from those available	
SIEBAU				<ul> <li>and use the arrows to r</li> </ul>	move them into the right-	-hand
SIEM				column. Press Next to	go on to the next screen	
SILCA						
SIMECA						
SIMPLEX						
SINJET						
SIPEA						
SIS						
a16.6						
		~ ~				
		Makes Selected   SILCA   Black   National Selected				
<u>^</u>	Silca-Futura bbe3		*	<u>••</u> •		Ø
CLEA		Nella				
User series 👔						¢
Applications Available	Applications Sele	cted				2
PIAGGIO VESPA	LOCKS	(VARIOUS MAKES	S)	Back	Next	
PUCH						
RIZZATO (CYCLES)	2 8			File importing procedure		
SWM	100 C					
TESTI				hand column and then		
YAMAHA (CYCLES)				screen.		
CYLINDERS (VARIOUS MAKES						
LOCKS ( VARIOUS MAKES )						
CISA PADLOCKS						
FILLERCAP (VARIOUS BRANDS						
FURNITURE ( VARIOUS						
	+	o 샵	Ó			
			-			
<del>Com</del>	Silca-Putura_bbe3	n	×	মা ৭	1	<u>o</u>
User series 👔						.e
Blanks Available	Blanks S	elected				
C5206	0\$206			Back	Next	
CS206	0.0200			- 244 (17 No.		
CS206BZ			3	File importing procedure		
G3200B2					slank (if applicable) to m	ake a
				search.	1998-1997 (1997) (1998-1999) 1997 - Hand (1997) (1997)	V22632
~			_			

<del>G</del> un	olicarra	utura_67e2 🚮	*	141	٩	1	1	9
Code import				Serie Profil Card	le:	15		
ile Name:	/tmp/usb/CIFRA' SILCA.csv	TURE_IX6KG_AAA_PROFIL	O ITALIA 258 - ELABORA	Operat	tions on data in th			
Code	Axis 1	Axis 2	Axis 3	Separa	Press Refresh to	apply editing.	0	
SP319835	11306				iitial rows:	0	o	
SP319836	11502			Symbo	ol separator:		0	
SP319837	11526			Qualifi	er.	None	•	0
SP319838	11562					Refresh		
SP319839	11722							
SP319840	11746			Operat	tions on columns		Moveto	
SP319841	13106				Left		filght>	
SP319842	13164			0				•
SP319843	13360			0	Clear	_	liminate	
SP319844	13520					(¢		
				0				•
Axis information			Cancel		And a set of the	-	(Area) and a constraint of the	
Axis Cuts	Symbols	Import	Cancel					

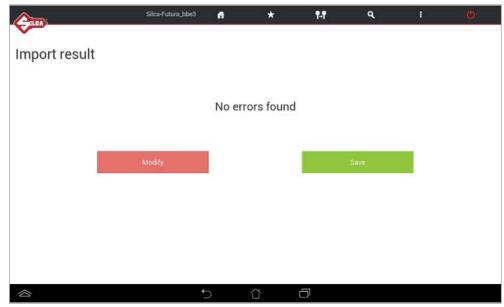
- Tap "Import" to import the file directly without editing.

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.

(ALEA)	×	utura-VirtualBox	đ	*	<b>1-1</b>	٩	1	Ċ
~								
Info	User cards							
Calibration		_					_	
Settings				User card ma	anagement N			
Maintenance					2	(11)		
Upgrades								
Backup/Restore								
User series								
	l							
		Ð		ά	ð			

# **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:

0	1400 6		Silca-Futura_093c	ň	*	9 <b>.</b> 9	۹	1	٣
ř	Transponder Guide		Insert a searching para	meter					
rd.	Vehicle Make								
	Vehicle Model								
-	- YEAF •	-YEAF .							
7	Key blanks								
2	Key Manufacturer								
3	Transponder ID								
Δ.	Transponder Type								
	Hide obsolete SLLSA key blant Show RW4 PUUS/PASTOOPY 1 Show RW4/FASTOOPY opjab Show only those programmab Show only with manual proces Show generables only Show EMPTY SHELL only	PLUS copiables des arty de with SDD/SBB							
	X Clear	Search							
			+	) 1		p			

#### **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

		Silca-Futu	ira_055a	4	*	8	<b>1-1</b>		۹	1	0
THE	-	•			q	) 10	<b>9</b> -1	<b>•</b> ¶		<b>₽</b> ₽< <u>3</u>	
FORD EU										110000	
	FIEST	A	1995->200	2	4C		•			•	
	FIEST	A	2003->200	8	63		•			•	
	FIEST	A	2008->201	2	63		0				
-	FIEST	A	2013->		6E						
SILGA REF.	E TE TE'SUA KT	SLCA ME	COPY	сору П+Ф	PROG.	GEN.		<b>9.</b> 0	DETAILED		
HU101T17					T17			Sd			
HU101MH	HU101TE	HU101FH	••••	GTI		63 (GTI)			٦		
			+	C	ŭ	Ē	1				

Fig. 31

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

SILCA REF.

column indicating a Silca FLIP key blank without transponder

Example Fig. 31

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. 31).

	Vehicle Make	N ignition keys	SILCA key blank	Master Valet	1/2
FORD AUS	FORD AUS	0	HU101MH		
	Vehicle Model	N of programmable	ILCO key blank		
-	BF FALCON	keys	HU101MH		
FORD EU	Transponder	0	Empty shell		
	10.0	N master keys to be programmed		Galb	
		0		1 March	
	Programming		0		1
E. REF.	Diagnostic device				
SAGA REF.	Manual procedure				
HU101MH			H		1
			1	Close	

1

Tap icon **w** 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

	ولساره	
50		

Days of use in the case of "UTPs"

To view information about the tokens available/	Token summary	
used, tap 💦	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

- 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
																			X	

**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

¢	٥Ğ	Silca-Futura_093c	4	*	¶-¶	٩		Ö
Clamp 01V Clamp side A Cutter 01F Stop 0	• • • before STOP 0	Clean carefully the Reader	e Optical	Depth rem 100 Pieces	v 0		Copy	
		<u>+</u>	) í	ž	Ð			

• COPYING BY CARD

2.66	б. 	R.	N		
Clamp		01R-01J-	-02.1		
Clamp si	de	A			
Cutter		01D			
STOP		0		E m	
Pieces		1			
Token	required	6			
Cut Spee	d	100% (	SILCA]		
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.

- 199 <u>6</u>	Copy key		: O
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		ÉO
Stop	Close	Repeat	
0 Cutter entrance bef	ore STOP 0 Clean carefully the Optical Reader	Pieces 1	
🗙 Clear	✔ Read		Сору

CARD 1572	Cut Dimple/Track ke	y - Card: 1572	, Sn: 621			×	O
SN 621 CODE	Cutting completed Cutting completed Number of keys cut: 1 Token consumed: 6		Ok			irrections is	
					<b>D</b> Cancel	Info Card Queue of job Note Measurements	X Clear
		¢	샵	ð	WITHET		

## 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	4	*	¶-¶	٩	٥
Info		Token state				
mio	info	Token available		1400		
Calibration	Settings	Token consumed		100		
Settings	Log Files	Actual Token stat	istics			
		Annual consumpt	tion	100		
Maintenance		Average monthly	consumption	50		
		Estimate Token e	nd [days]	840		
Upgrades		Token virtual stat	istic			
Backup/Restore		Annual consumpt		100		
User series		Average monthly	consumption	50		
		Cost Token by typ	oe key			
		Dimple/Track key	8	6		
		Standard keys		1		
		Vehicles keys		20		
		÷	~	ð		
		$\supset$		<u> </u>		

"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	*	1-1		۹	81	0
Info	Info		Token pre	ferences					
Calibration			Token alert the	eshold [number]		200			
Settings	Log Files		UTP (Unlimite alert [days]	d Tokend Paid) thre	shold	90			
Maintenance									
Upgrades									
Backup/Restore									
User series									
			<b>5</b>	습 (	5				

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
iettings	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
lpgrades		2015.08.04 13:42:27	CARD	1572_END	6	1480
definities		2015.08.03 09:24:57	COPY	END	1	1492
lackup/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**

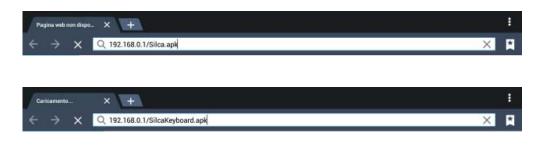
If a new Tablet is to replace the previous one, download/install the Futura APP. and the customized "Silca Keyboard".

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) Select "Downloads" from the tablet "Settings" menu (2).

<b>冬日</b>			🛜 : 📑 162
Settings			Q
Wireless & networks			
🜍 Wi-Fi		Bluetooth	OFF
🧿 Data usage		More	
Device			
0 Display		O ZenMotion	
Sound & notification		O not disturb	
ASUS Cover		Storage	
0 Downloads		📀 Apps	
Ø Z Stylus		Battery	
Power management		ASUS Customised Setting	
Personal			
O Location	OFF	C Lock screen	
Security		O Accounts	

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

Dov	vnload			F 8
	SilcaKeyboard.apk	192.168.0.1	1,12 MB	12:03
۵	Silca.apk	192.168.0.1	1,27 MB	11:49

		New	All	
DEVI	CE ACCESS	-		
	full network access view network conn view Wi-Fi connect	ections		

After you install the new FUTURA APP you should move the Silca FUTURA application icon with 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

<b>大</b> 中	(† 19	16
Settings		C
Wireless & networks		
😵 WLFI 🛛 🚳	8 Bluetooth (Gr#)	
💿 Data usage	C More	
Device		
O Display	S ZenMotion	
Sound & notification	O not disturb	
ASUS Cover	Storage	
3 Downloads	( Apps	
🥝 Z Stylus	3 Battery	
Power management	ASUS Customised Setting	
Deserved		

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

Futura 4.82 MB	

3) Tap on "Clear Cache".

App info			
Futura Version 2.0			
Force stop		Uninstall	
Show notifications			
Storage			
otal			4.82MB
Арр			1.58MB
Data			3.24MB
		Clear data	
ache			
Cache			12.09MB
		Clear cache	
aunch by default			
io defaults set.			
		Clear defaults	
ermissions			
his app can access the following on you	ur device:		