

SOFTWARE

OPERATING GUIDE

FUTURA *PRO*



vers. 1

Edition: October 2016

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The information has been drawn up by the manufacturer in his own language (Italian) to provide users with the necessary indications to use the key-cutting machine independently, economically and safely.

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1 FUTURA PRO MODELS - GENERAL INFORMATION

- **Futura PRO**

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

- **Futura PRO NA**

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

- **Futura PRO JAPAN**

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

- **Futura PRO 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 from original” of vehicle keys with standard cuts.

- **Futura PRO TOKEN (Ch.11)**

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

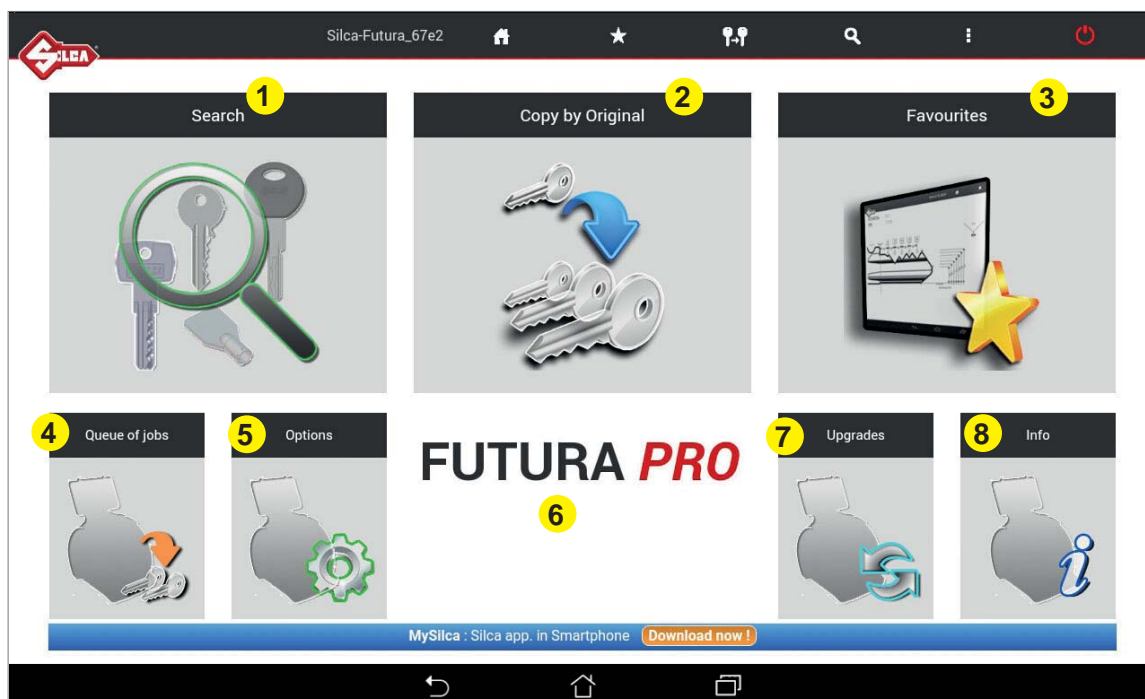
Nota: please check with Silca whether the token option is available on the version you require.

• 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.6.3.4).



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 from the search menu.

5 - Options

Menu used to set up the machine.

6

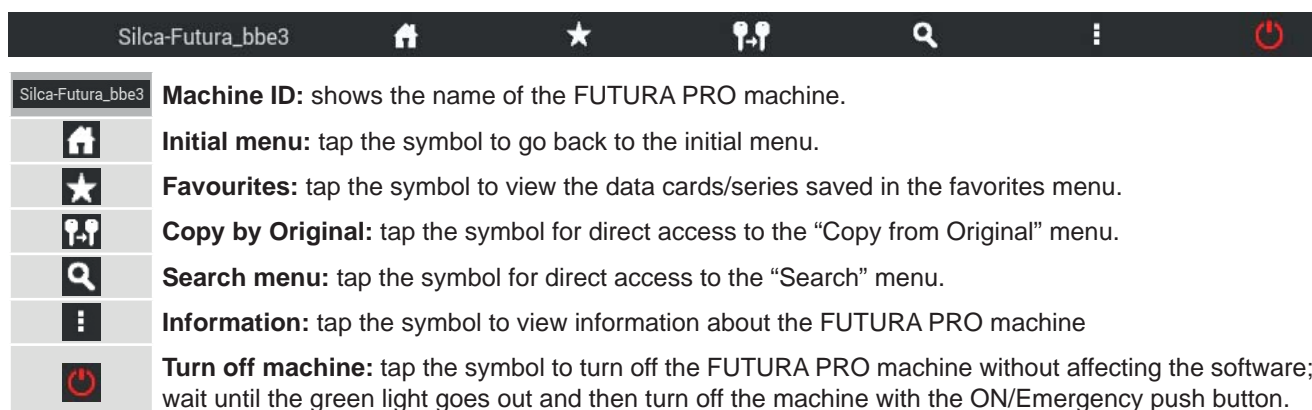
The name of the machine model being used is shown.

7 - Upgrades

Menu used to update machine software.

8 - Info

Menu showing machine details.



• 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.

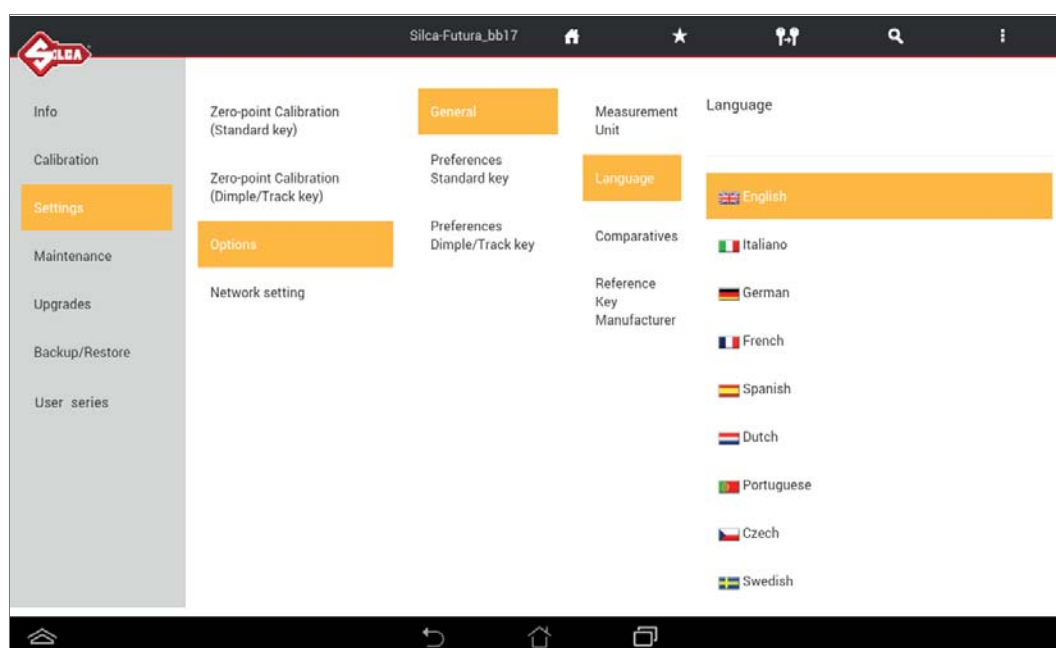


If you have chosen the Silca keyboard you can go back to Android by hitting the key on the Silca keyboard.



• CHANGE PROGRAM LANGUAGE

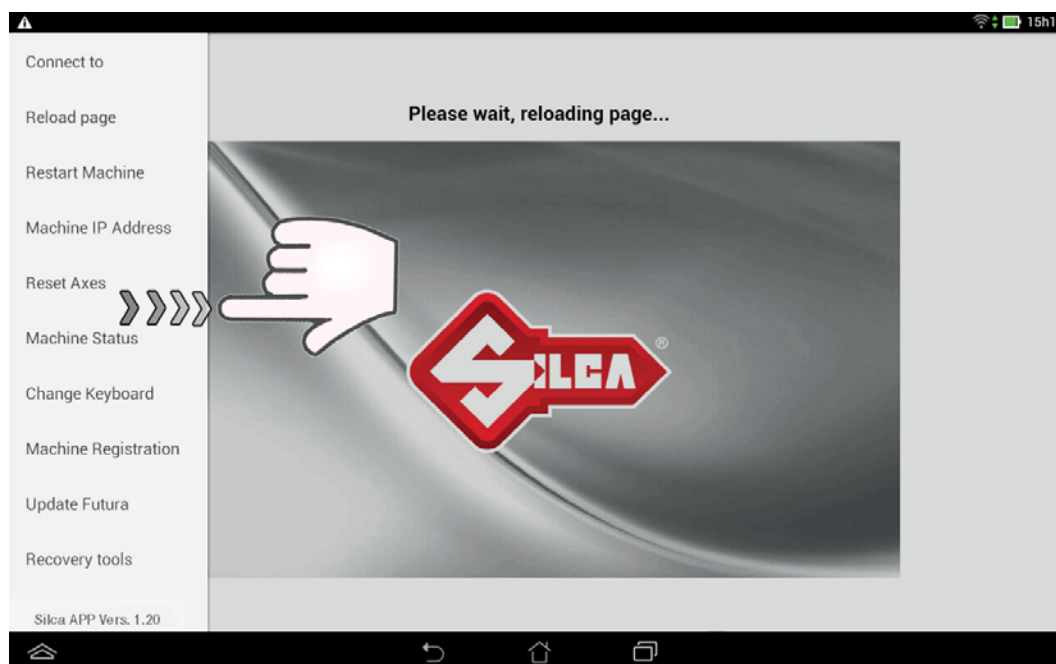
The default program language is English. To change language go to the **Options** menu (Ch.6), select **Settings** -> **Options** -> **General** -> **Language** and choose the language you require.



• 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 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 IP address manually (default is 192.168.0.1).

Reset Axes: used to clear the axes on the FUTURA PRO 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 FUTURA PRO machine when the Tablet is connected to a Wi-Fi network with internet access.

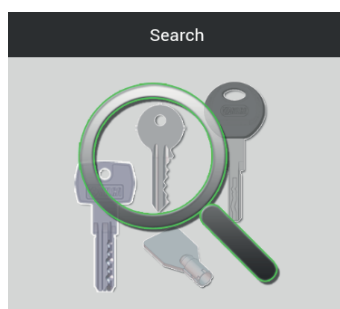
Update FUTURA PRO: used to download new updates for the machine:

- by tablet connected to a Wi-Fi network with access to the internet (Ch.7.2.1).
- by USB PEN DRIVE and PC with access to the internet (Ch.7.2.2).

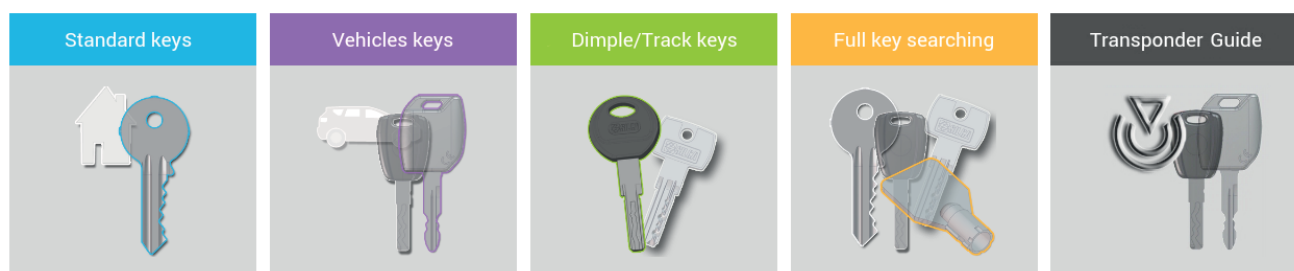
Recovery tools: this function is protected by a password and is for the exclusive use of Silca personnel.

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 ...).
(No on FUTURA PRO Automotive).

2.2 VEHICLE keys

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

2.3 DIMPLE / TRACK keys

This menu is used to restrict a search to the dimple/track category of keys (e.g. CS48 - IE15 - AB48 ...).
(No on FUTURA PRO Automotive).

2.4 FULL KEY SEARCHING

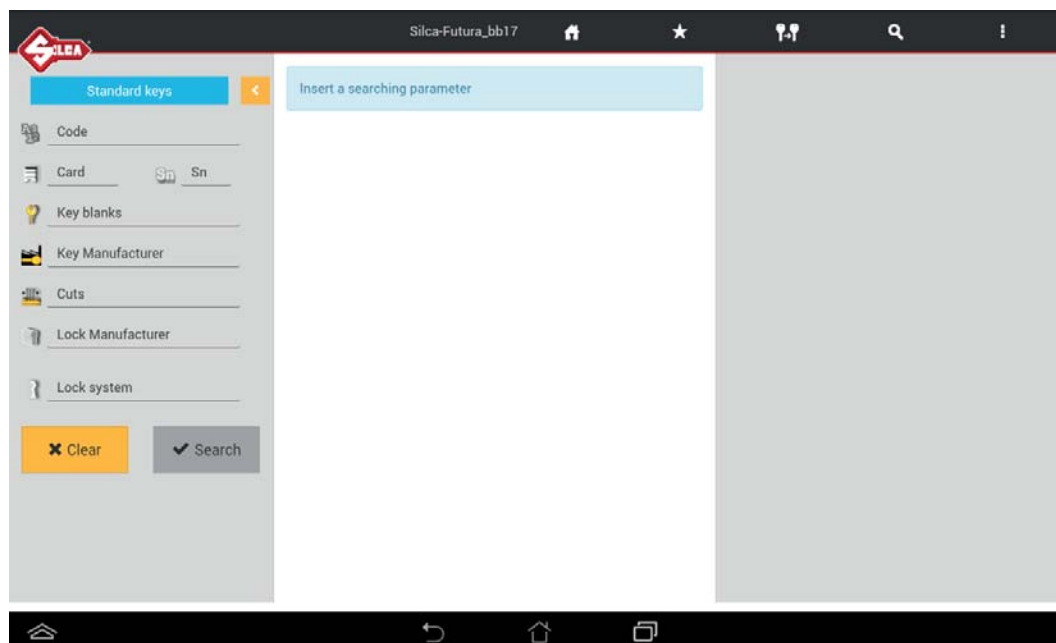
This menu is used to make extended searches not restricted to categories. **(No on FUTURA PRO Automotive).**

2.5 TRASPONDER GUIDE

The Transponder Guide contains all the transponder key copying solutions provided by Silca (Ch.10).

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.

**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.

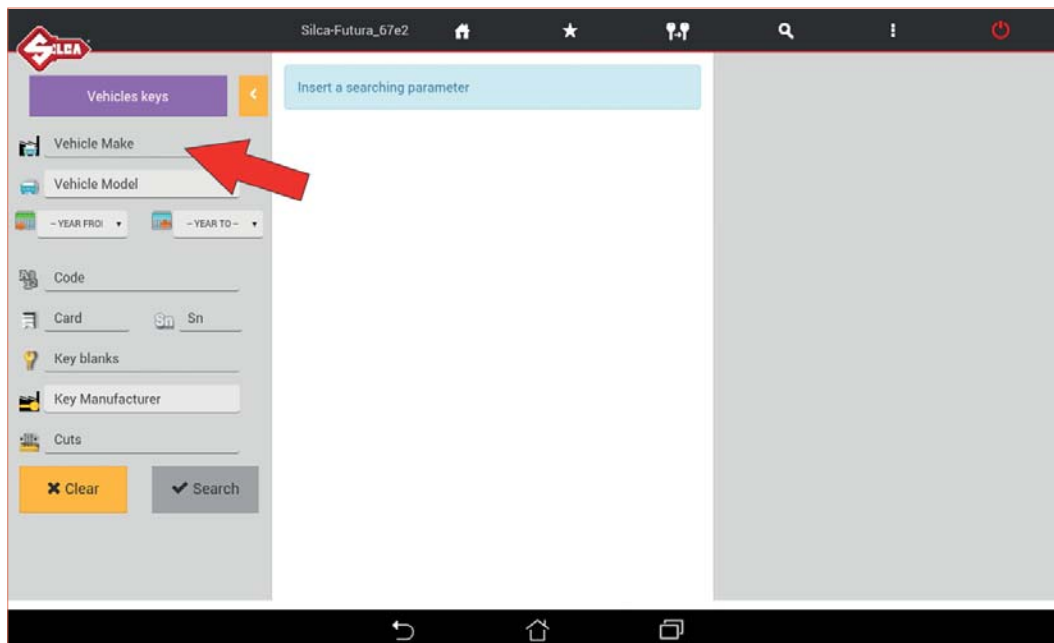
After entering one or more parameters, tap the “**Search**” button to start the search. This operation will show the data relating to the lock systems found and information about the Silca/Ilco key blank, if applicable.

Tap  on the left-hand side of the page to re-open the Search Parameters window.

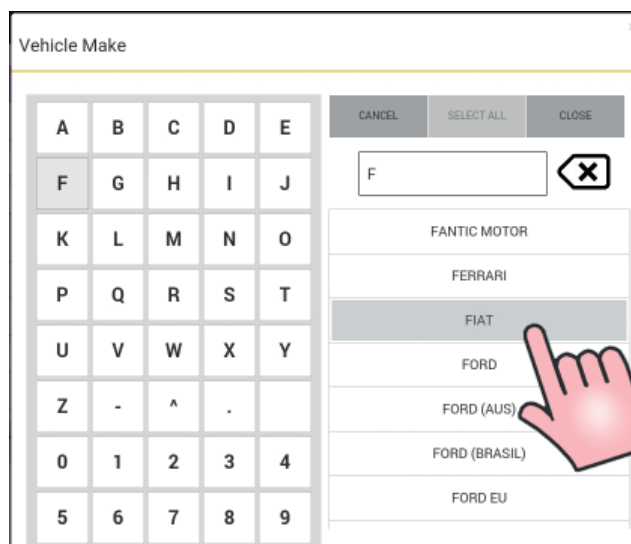
See example of VEHICLE keys search flow:

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

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



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



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

Vehicle Make : FIAT - Vehicle Model

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	-	^	.	
0	1	2	3	4
5	6	7	8	9

CANCEL

SELECT ALL

CLOSE

✕

PALIO

PALIO (S.AMERICA)

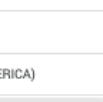
PANDA

PANDA 30 CL

PANDA 30 L

PANDA 30 S


PANDA 30-34-45



Select the YEAR.

FIAT - PANDA - Year from - Year to

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



Select the CARD key to access the cutting data card.

Silca-Futura_67e2

Favourite	Sn	Lock/System	Profile	Series	Card	Type	N° of cuts
☆	583	Lancia Lybra (2T-8W)	DE.....	1-11210	1627	I	8;8;

Key blanks
SIP18T

Key Manufacturer
SILCA

Stem length
2720

Hook position

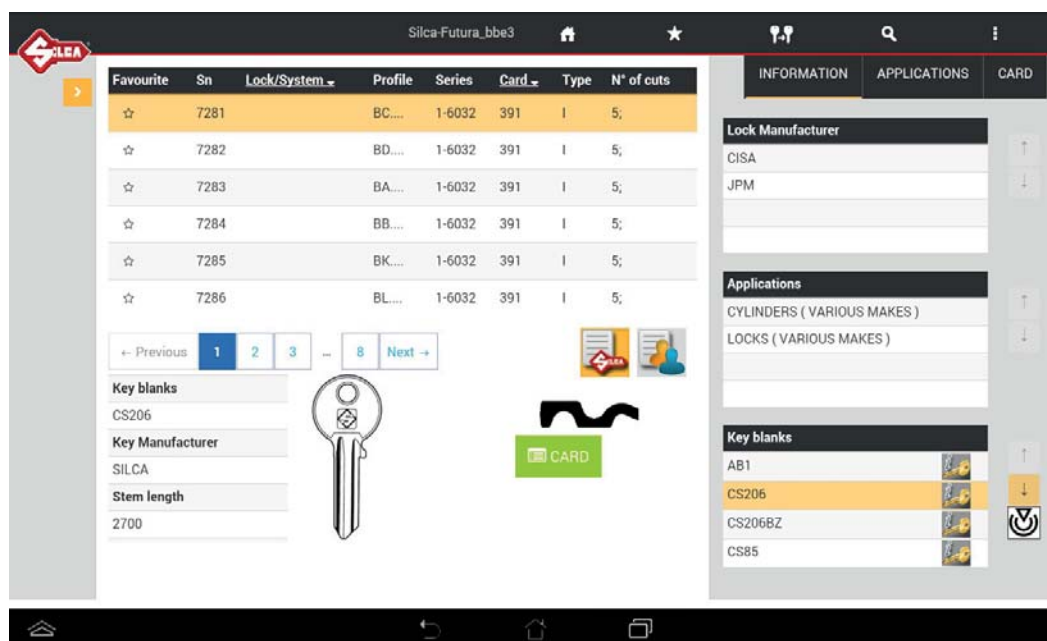
INFORMATION APPLICATIONS CARD

Lock Manufacturer
TRW-SIPEA

Applications
ALFA ROMEO
CITROEN
FIAT
IVECO

Key blanks
SIP18T
SIP22ARS1
SIP22EH2
SIP22EHP

2.6 DATA CARD/SERIE info



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	Lock/System	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:
- 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.9) 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:

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

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

INFORMATION	APPLICATIONS	CARD
Cylinders		
ABUS		
EC 75/30	AB62	
EC 75/40	AB62	

CARD: shows information relating to accessories needed for cutting keys with the FUTURA PRO key-cutting machine.

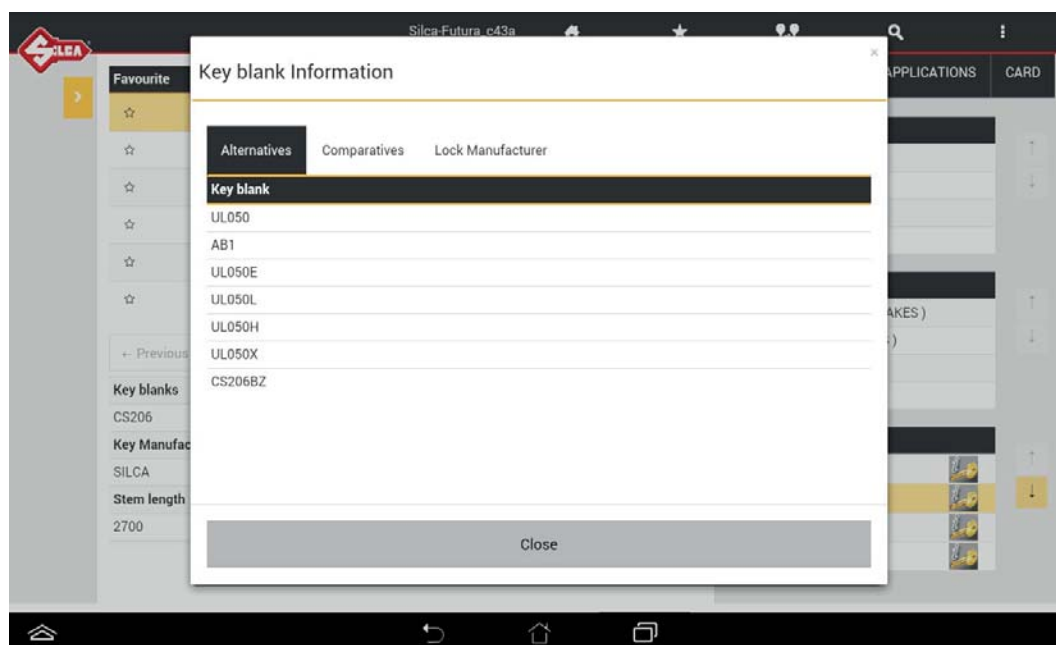
INFORMATION	APPLICATIONS	CARD
Clamp		
1	01R	D942570ZR
Right Jaw		
1	02J	D743254ZB

KEY BLANK

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

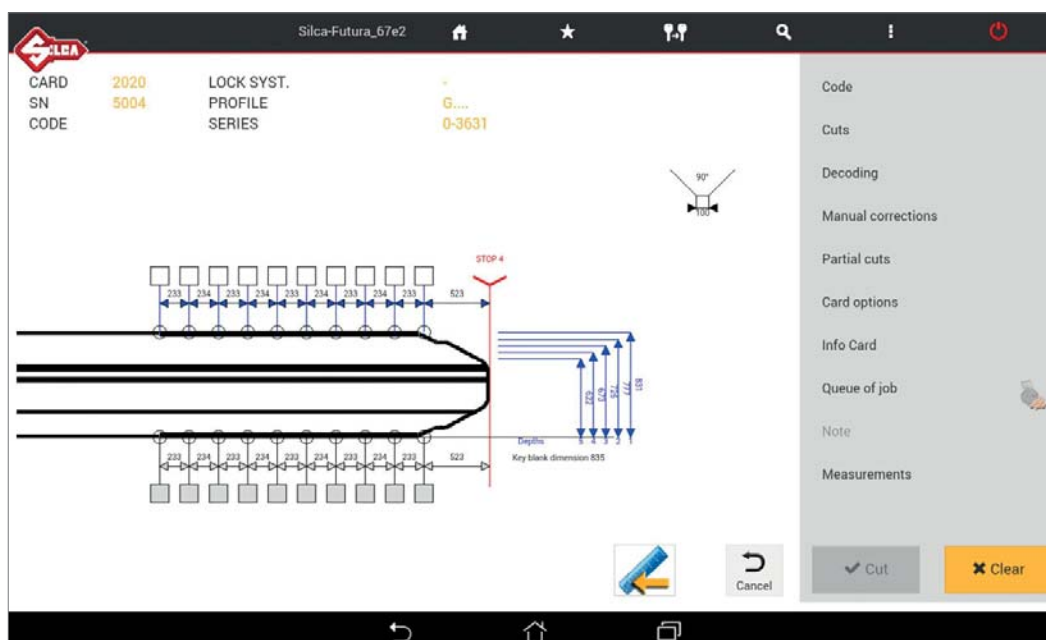


- List of other Silca key blanks that can be used
- List of comparative key blanks
- List of Brand names linked to the Silca key blank.





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  key to go back to the previous screen.

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

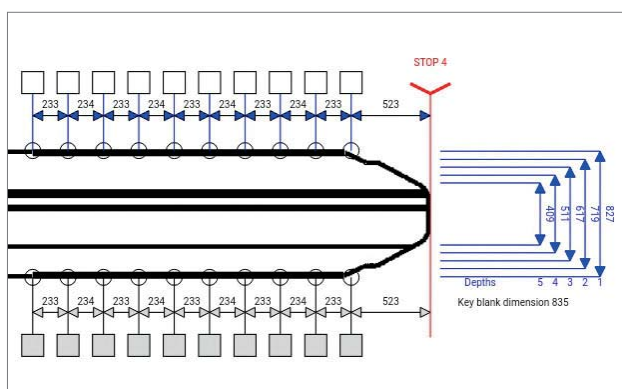


Fig. 1

Depths referring to the “key axis”

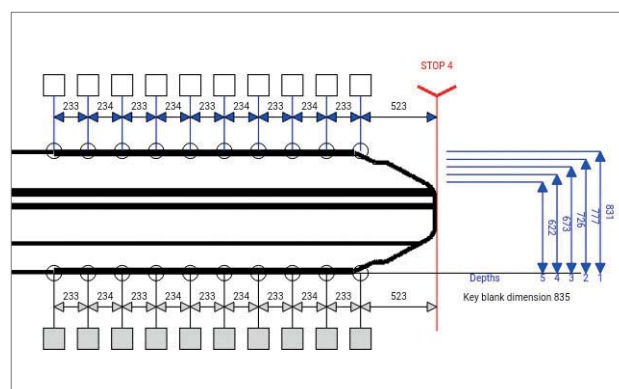


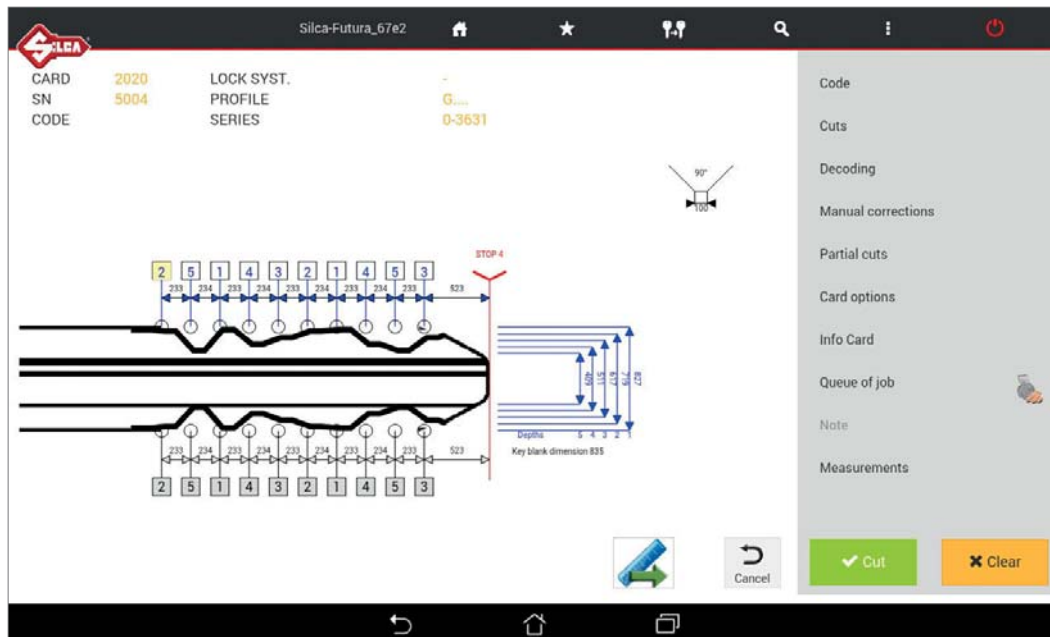
Fig. 2


Depths referring to “key back”
(i.e. the plate/bottom of the clamp)

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

The list on the right contains the functions listed below:

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



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

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

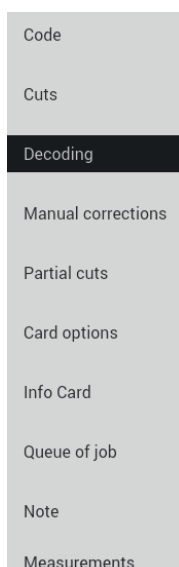
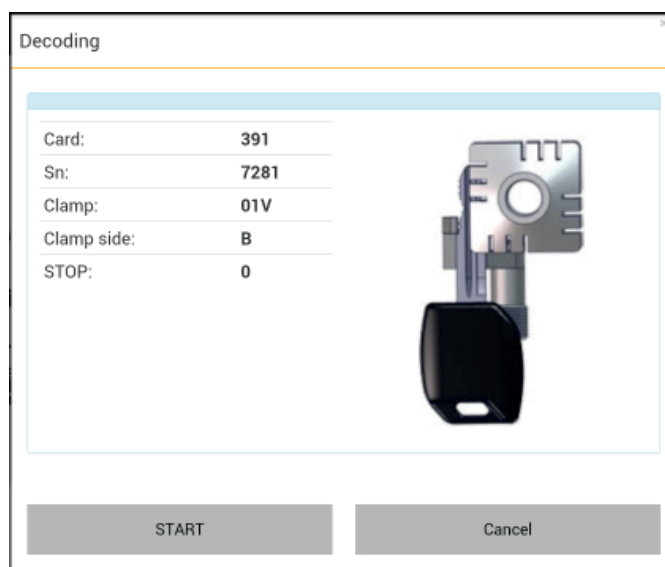
- **DECODING:** used to decode the cuts on the original key.

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

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

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

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.

Decoded data 391

Axis: 1

N.	Symbol	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

☐ Copy key with measurements read

Close

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.

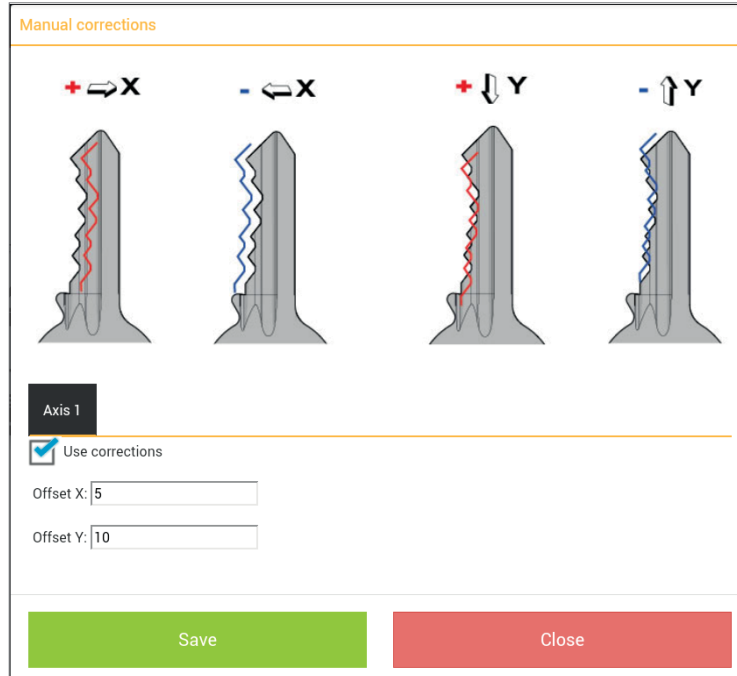
NOTE: when decoding standard keys, you must use the clamp side designated by the software as well as the stop position designated in order to decode the key properly. Use of other clamp positions or stop positions will result in a misread key. Once decoded, should you receive the message “key blank not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

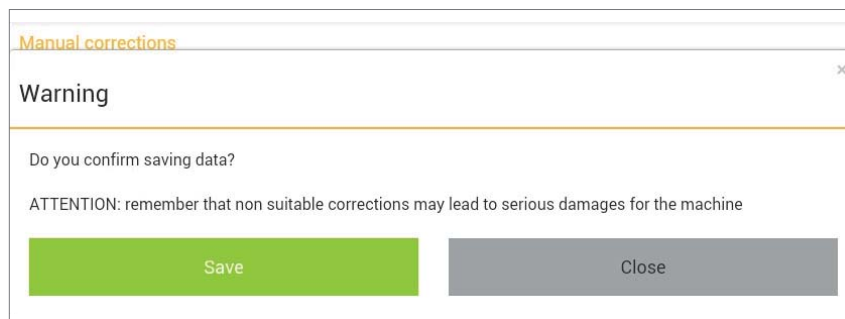
Close the window after it has shown an OK message.

An icon  indicates when the manual adjustment is active.



The "Manual corrections" window displays four diagrams of a tool tip with red and blue wavy lines indicating adjustments. The diagrams are labeled with icons: a red plus sign and a right arrow for X, a blue minus sign and a left arrow for X, a red plus sign and a down arrow for Y, and a blue minus sign and an up arrow for Y. Below the diagrams, there is a section for "Axis 1" with a checked "Use corrections" checkbox. Input fields for "Offset X" (value 5) and "Offset Y" (value 10) are present. At the bottom are "Save" and "Close" buttons.

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Note
Measurements



The "Warning" dialog box asks for confirmation to save data. It includes the text "Do you confirm saving data?" and "ATTENTION: remember that non suitable corrections may lead to serious damages for the machine". At the bottom are "Save" and "Close" buttons.

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”.

Partial Cuts

Symbols:

Axis	Permutation
1	<input type="text" value="5"/> <input type="text" value="2"/> <input type="text" value="3"/> <input type="text" value=""/> <input type="text" value=""/>

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

Code

Cuts

Decoding

Manual corrections

Partial cuts

Card options

Info Card

Queue of job

Note

Measurements

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.

Cutting Tree

N° key blanks required: **4**
Codes selected: **Key n° 1**

Code	Cuts
Key n° 1	
BC782	52311
BC783	52312
BC784	52313
BC785	52314
BC789	52324
BC790	52325
BC795	52335
BC796	52336
BC802	52346
BC803	52347
BC853	52357
BC858	52367
Key n° 2	
BC786	52321

- 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.

• CARD OPTIONS

Card options

Axis 1

Cut Type

M_NORMALE_FLAT_LFD

Cutter

01F

Clamp

01V

Key blank dimension

840

Ok

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Note
Measurements

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



NORMAL (M_NORMALE_FLAT_LFD)

For conventional car and door keys.



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).

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

Card options

Axis 1

Cut Type	M_LASER_FLAT_LFD
Cutter	01F
Clamp	01V
Key blank dimension	810

Ok

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Note
Measurements

- **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.

Card Info

Cutter	01F	ⓘ
Key blank	CS206	ⓘ
Clamp	01V	ⓘ
Clamp side	B	
STOP	0	

Ok

Clamp: 01V
Part number: D942846ZR

Queue of job

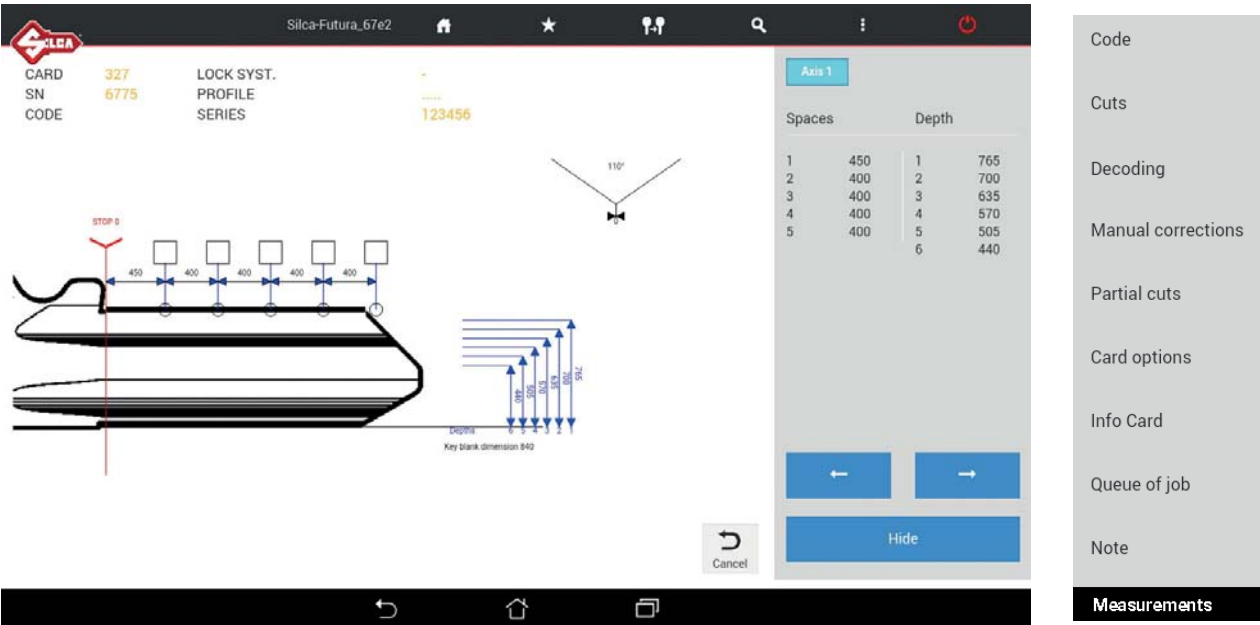
Note

Cancel Cut Clear

Code
Cuts
Decoding
Manual corrections
Partial cuts
Card options
Info Card
Queue of job
Note
Measurements

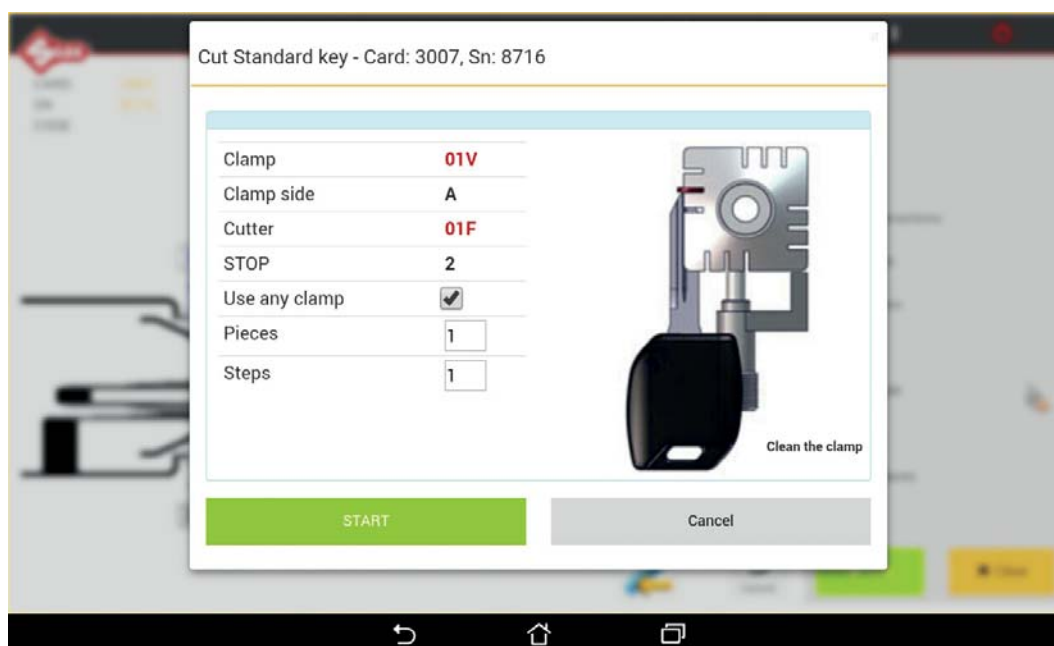
- **NOTE:** when highlighted views data card notes, i.e. further specific information relating to the position of the key or an accessory, etc.

- **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  : information is shown about the position of the key in the clamp.



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  : information is shown about the position of the key in the clamp.

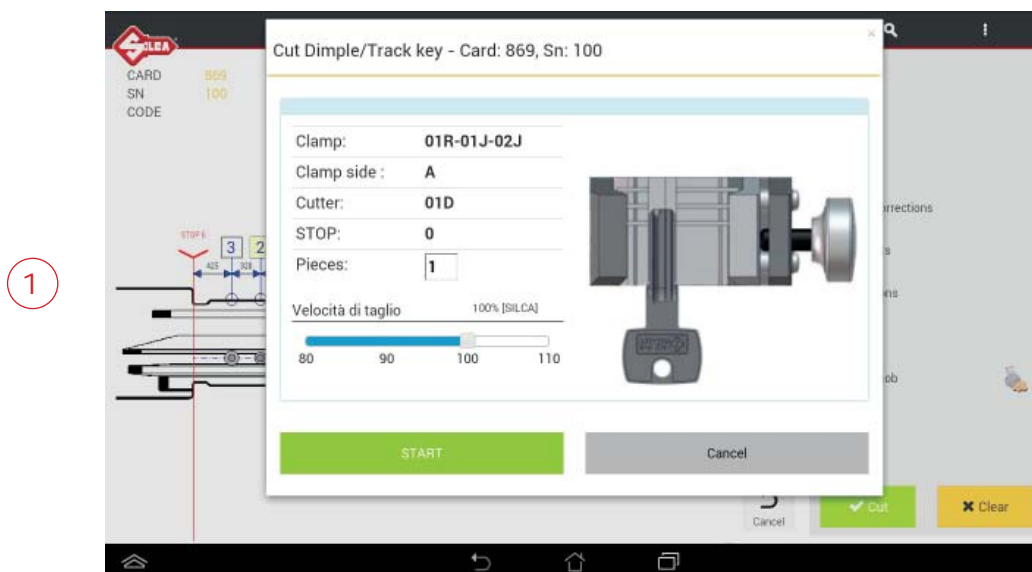
1) For DIMPLE keys

Cutting speed change (relates to carriage advancement).

NOTE: the default value set by Silca is 100.

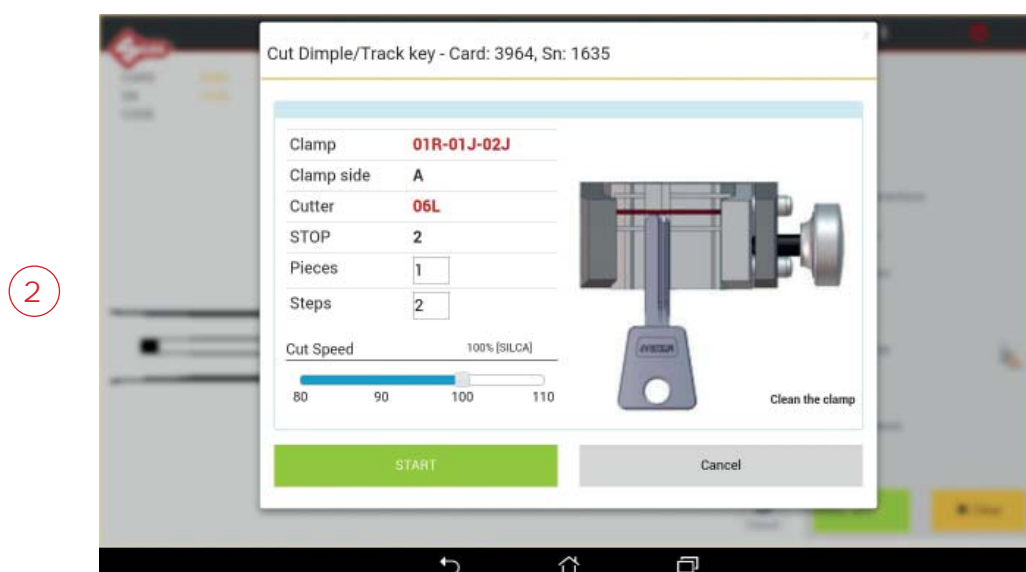
To change the Silca settings, tap the required value:

- 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).



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.

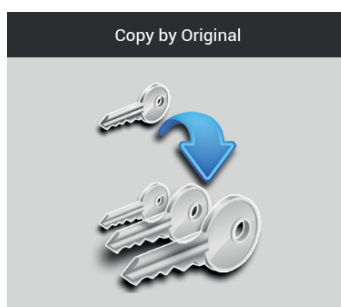


The following can be set:

Pieces: indicates how many keys you wish to cut.

Press START to begin the procedure.

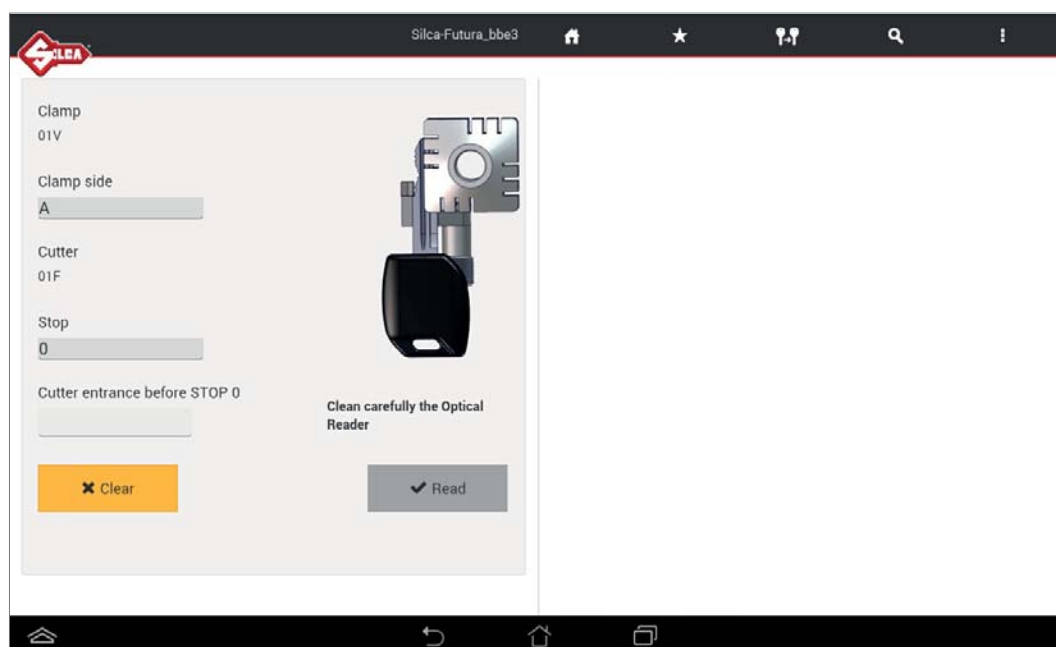
3 COPY BY ORIGINAL



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.

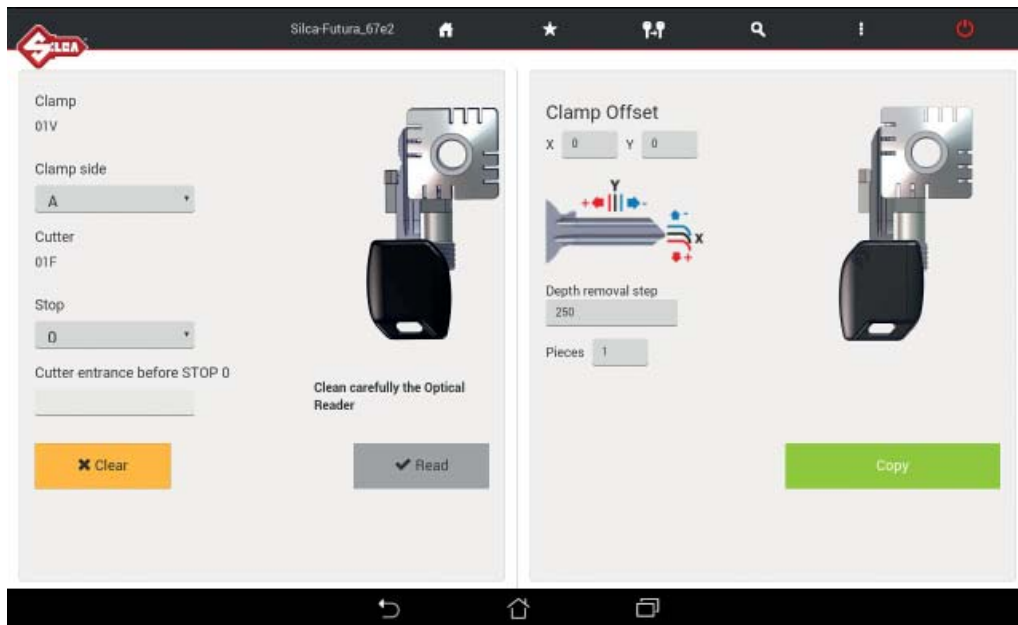


In the Left-hand Part of the screen:

- Select the clamp side (A-B-C-D) to be used for reading and cutting the key.
- Select the type of Stop involved (0-1-2-3-4)
 - in the case of Stop 0 the gauge is used to align the key stop
 - with Stops (1-2-3-4) a bar is used to align the stop with the key tip.
- The Distance field is used when the stop selected is 1-2-3-4 and there is an indication of the point at which the optic reader will start reading the original key. Normally this point equals Stop 0 which refers to the position of the gauge/key stop.
Range [0 / -400 hundredths of mm] => insert only NEGATIVE value.

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

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



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.

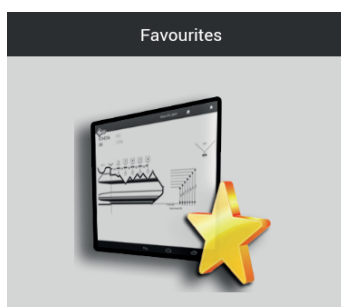
Pieces: indicates how many keys will be cut.

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.

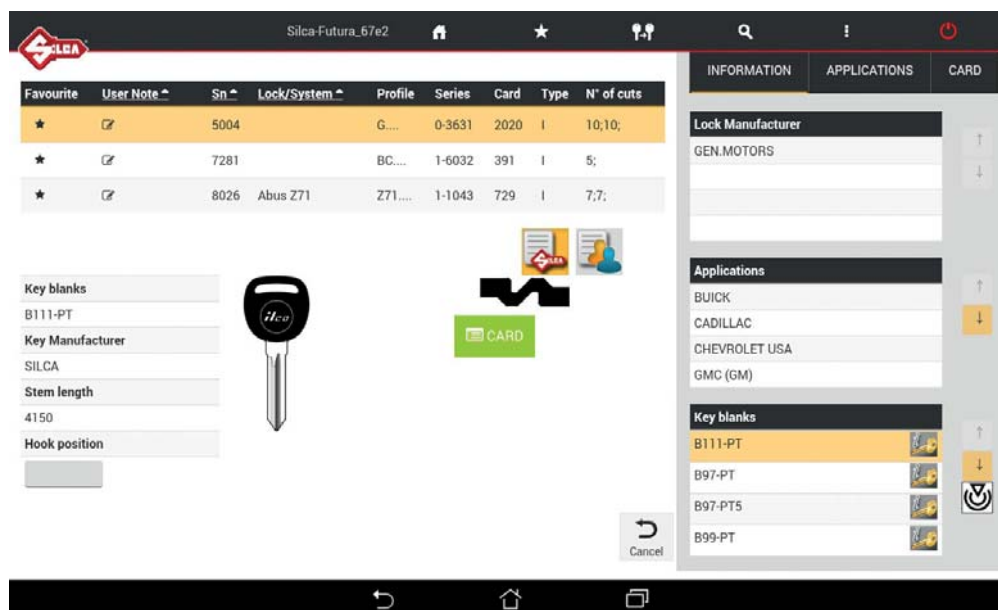
NOTE: the Copy by Original function will cut the key exactly as read if no manual adjustments are made. If you are copying a worn key and do not make manual adjustments, the cut key will be an exact duplicate of the original worn key. To copy a worn key back to OEM specifications you should use the "Search"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

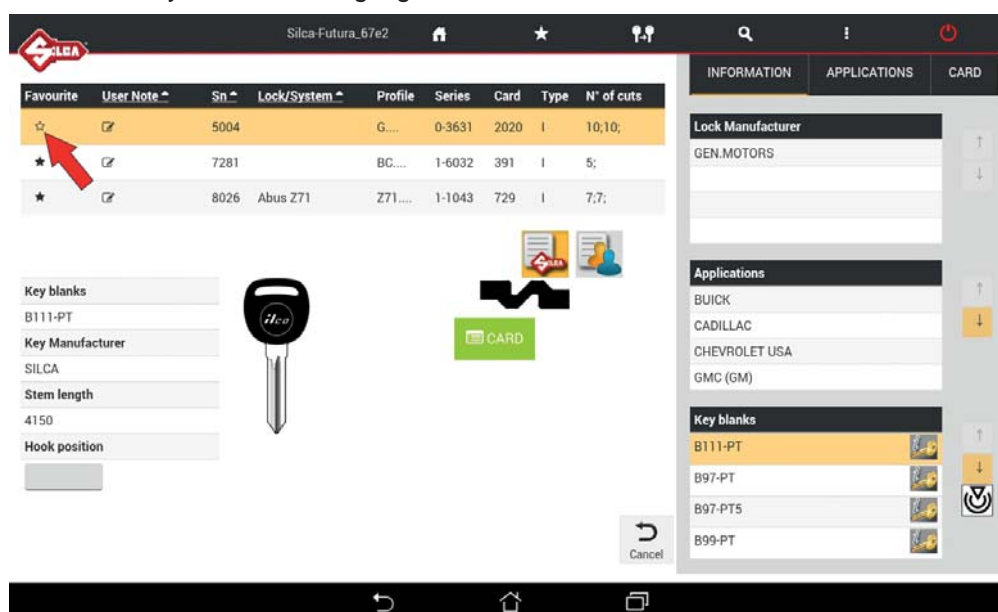


The FAVORITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys, Dimple/Track keys). Saving data cards to the favorites menu will eliminate the time spent searching for frequently used cards.

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



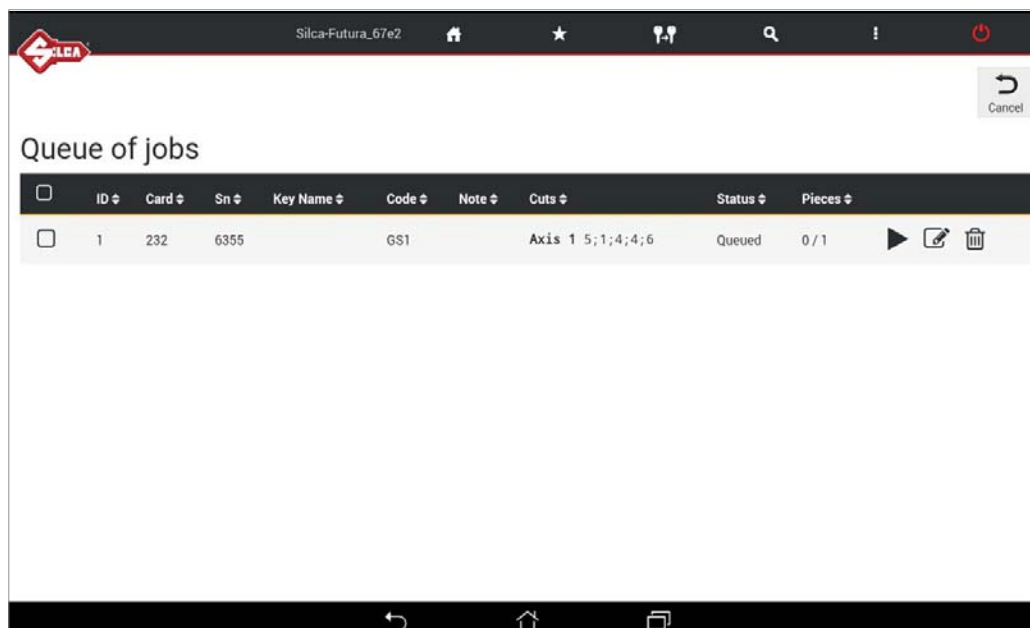
To select data cards to be included in the Favorite's menu tap the star symbol ☆ in the first left-hand column of the Search menu; the symbol will be highlighted in black.



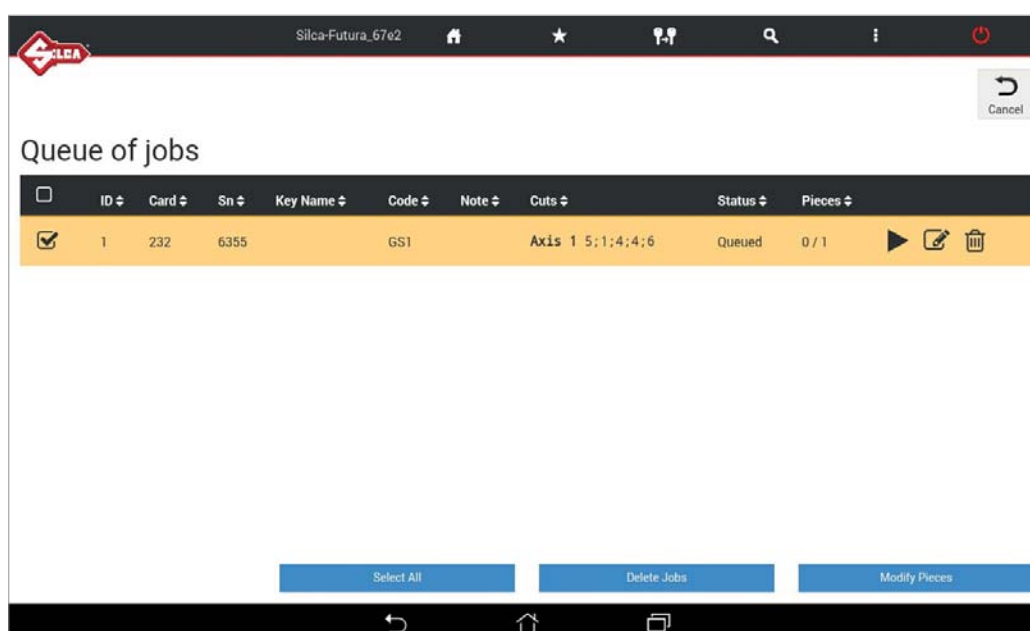
To remove a data card in the Favorite's menu, tap the relevant star symbol, which will go back to white.

5 QUEUE OF JOBS

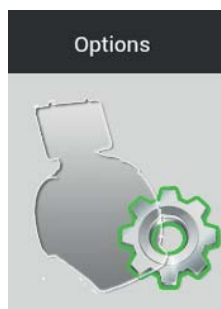
The “Queue of Jobs” collects all the jobs (the keys) the user prefers to do later. See on page 16 how to move a job in this “Queue of Jobs”.



- **To cut the key**, select only one job at a time (by inserting a check “flag” in the appropriate box) then tap on the “arrow” symbol . This method can be used to cut a key without viewing the cutting preview with relative menus.
- Tap the PENCIL symbol to view the screen showing the cutting preview with relative menus before cutting the key.
- **To select/deselect** all the jobs saved in the Queue tap ; the number of pieces can be edited for all jobs or all jobs can be deleted.
- **To delete a job** just tap on the “garbage bin” or select one or more jobs, and then tap on “Delete Job”.
- **To modify the amount** of keys to cut, just select a job and then tap on “Modify Pieces” then type in the amount you intend to cut and tap on “Confirm”.

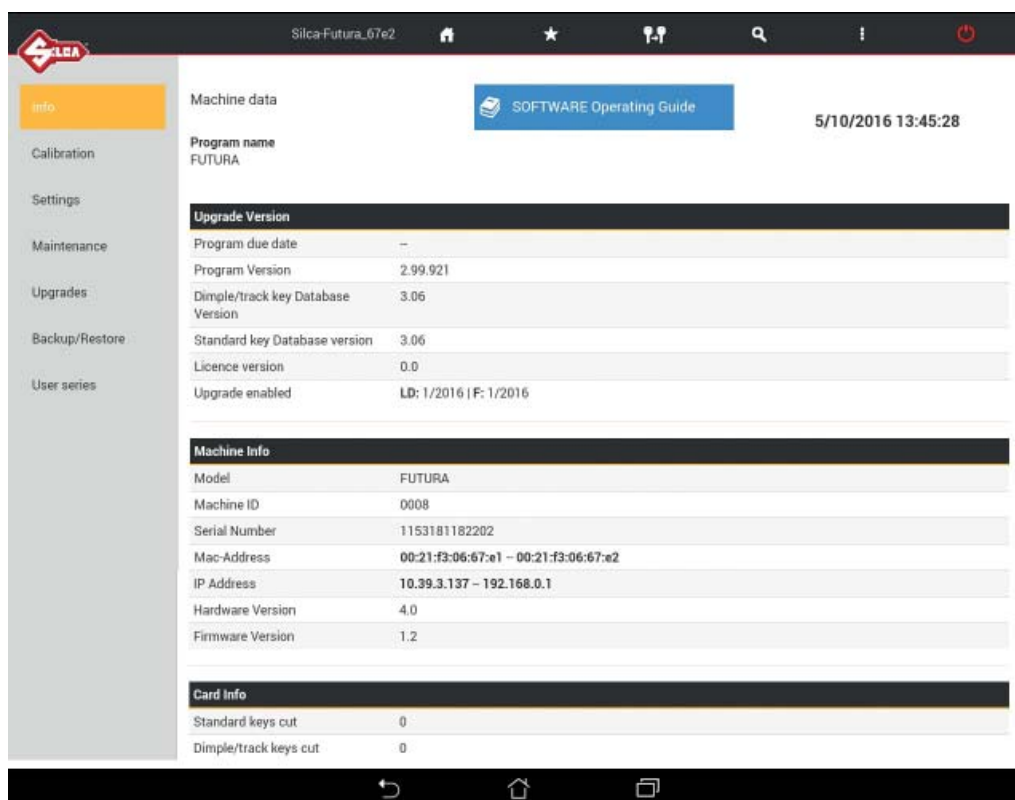


6 OPTIONS



Options contains the following menus:

- **Info**
- **Calibration**
- **Settings**
- **Machine maintenance**
- **Upgrades**
- **Backup/Restore**
- **User series**



6.1 INFO

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

Tap the appropriate icon to view the FUTURA PRO “SOFTWARE OPERATING GUIDE.”

6.2 CALIBRATION

Calibration includes:

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

6.2.1 STANDARD key clamp calibration

The screenshot shows the Silca Futura Pro software interface. The top bar displays 'Silca-Futura_bbe3' and navigation icons. The left sidebar contains menu items: Info, Calibration (highlighted), Settings, Maintenance, Upgrades, Backup/Restore, and User series. The main area is divided into two columns. The left column lists calibration options: Clamps Standard keys (highlighted), Clamps Dimple/track keys, Mobile Tracer, Standard key Adapter, and Dimple/track key Adapter. The right column shows a 'Cancel' button and a table of calibration parameters:

Cutter	01F
Template	Z3
Clamp calibrated	<input checked="" type="checkbox"/>
Offset X	-4
Offset Y	4
Reader Offset X	-1
Reader Offset Y	1

Below the table is a 'Start' button and a diagram of a key in a clamp. The bottom section, titled 'Manual Corrections', has input fields for 'Offset X' and 'Offset Y', and 'Clear' and 'Save' buttons. To the right is a diagram of a key with arrows indicating offsets.

Tap START to begin calibration.

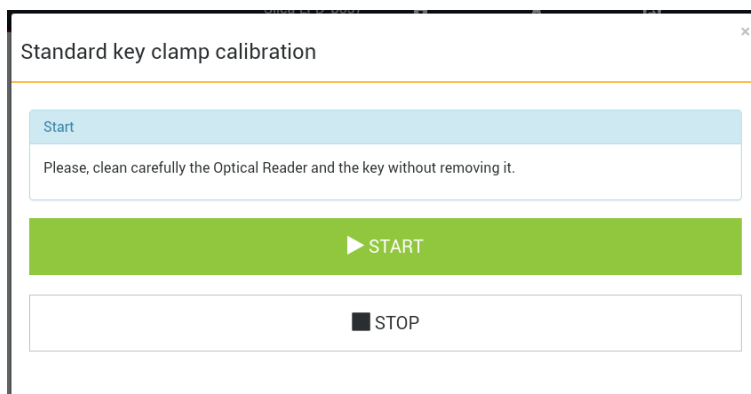
Fit template Z3 into the 01V clamp, as illustrated.

The screenshot shows a dialog box titled 'Standard key clamp calibration'. It contains an 'ATTENTION' section with the following information:

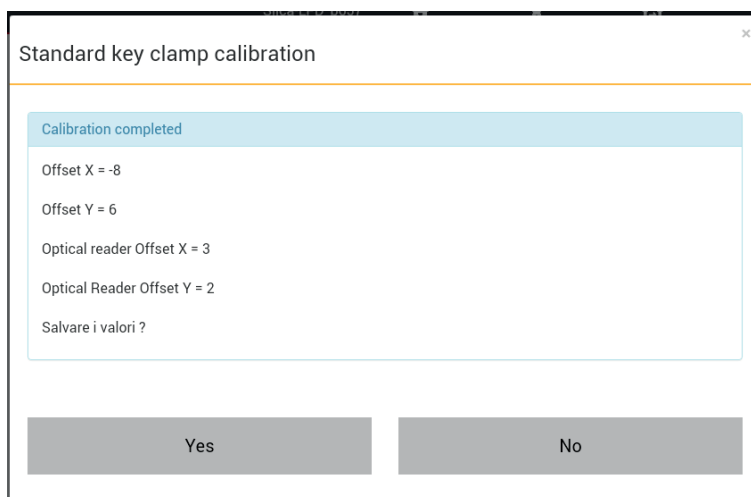
Clamp:	01V
Clamp side:	A
Stop:	0
Cutter:	01F
Template:	Z3

Below the table is the instruction 'Clean carefully the Optical Reader' and a diagram of a key in a clamp. At the bottom are 'START' and 'Cancel' buttons.

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.



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



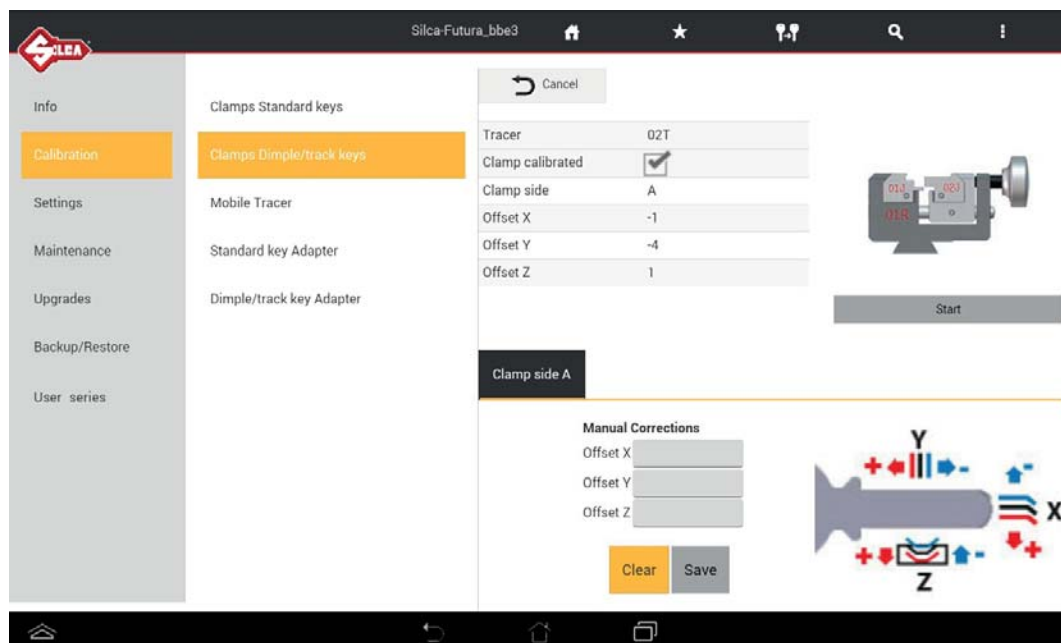
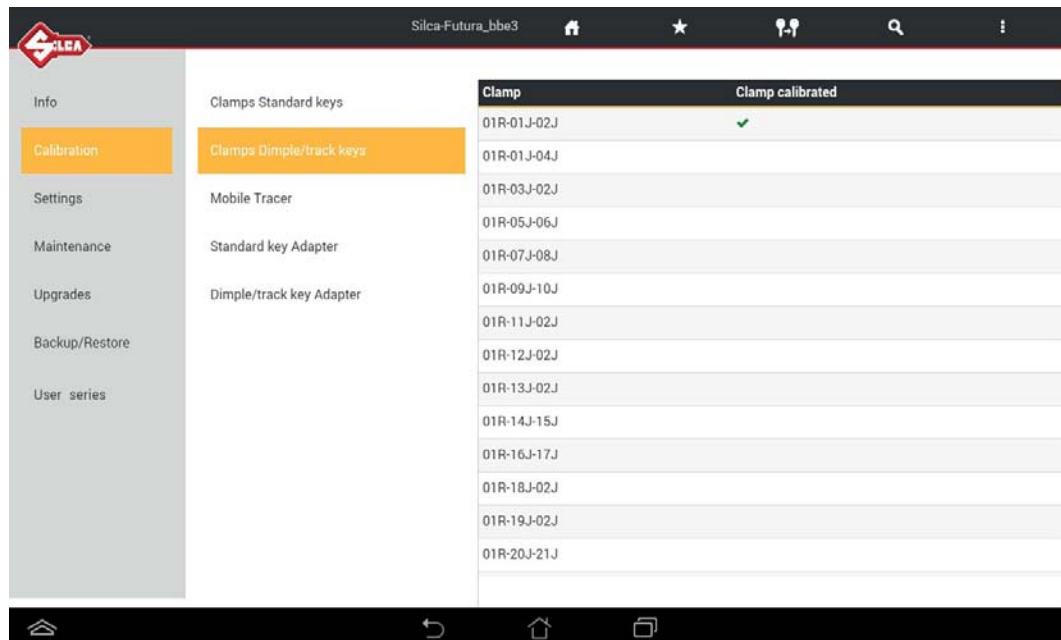
The 01V clamp is calibrated only for Side A.
Only Manual corrections of Y (spaces) e X (depth) can be entered on sides B, C and D.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: lowers the cut from the axis.
Negative value of X: raises the cut from the axis.
Adjustments: from -30 to +30 hundredths of mm (+/- 118 thousandths of an inch).
Tap “Save” to confirm.

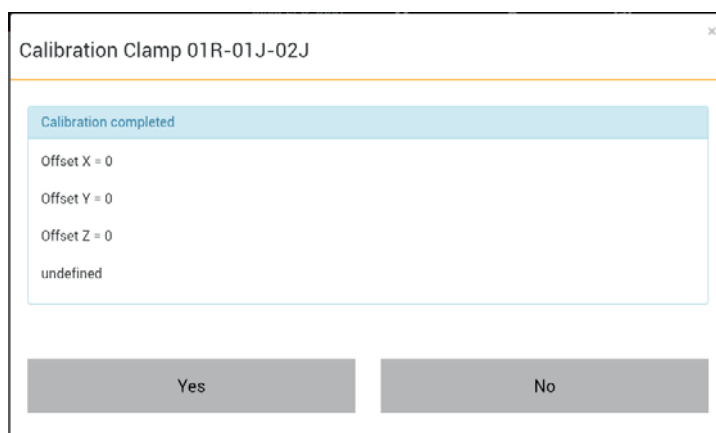
6.2.2 DIMPLE/TRACK keys clamp calibration

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.





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.

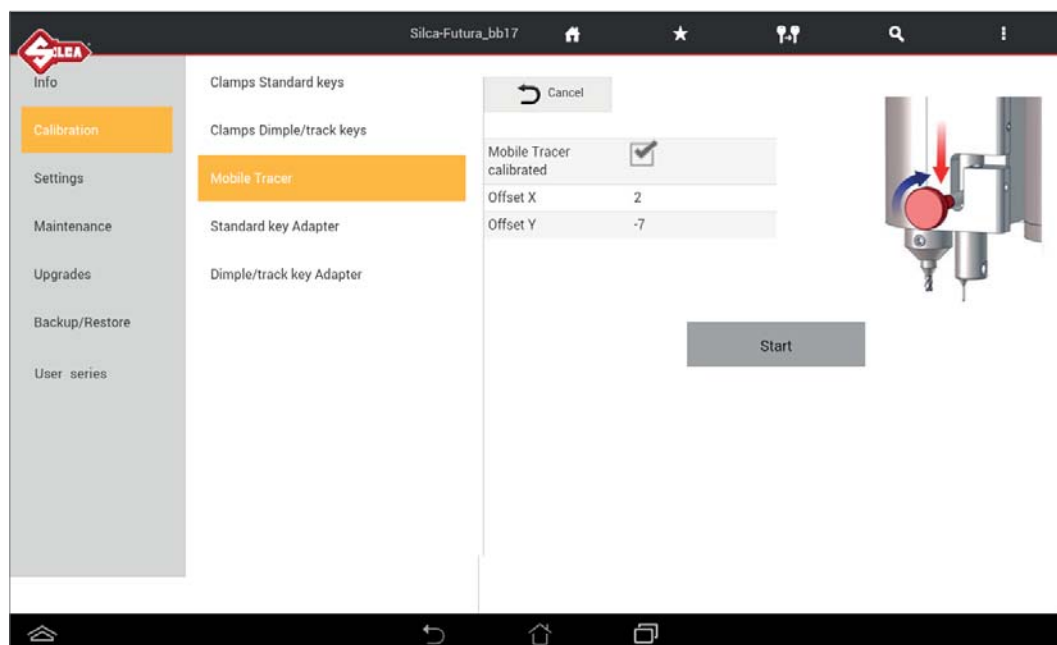
Negative value of Z: raises the cut from the axis.

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

Tap “Save” to confirm.

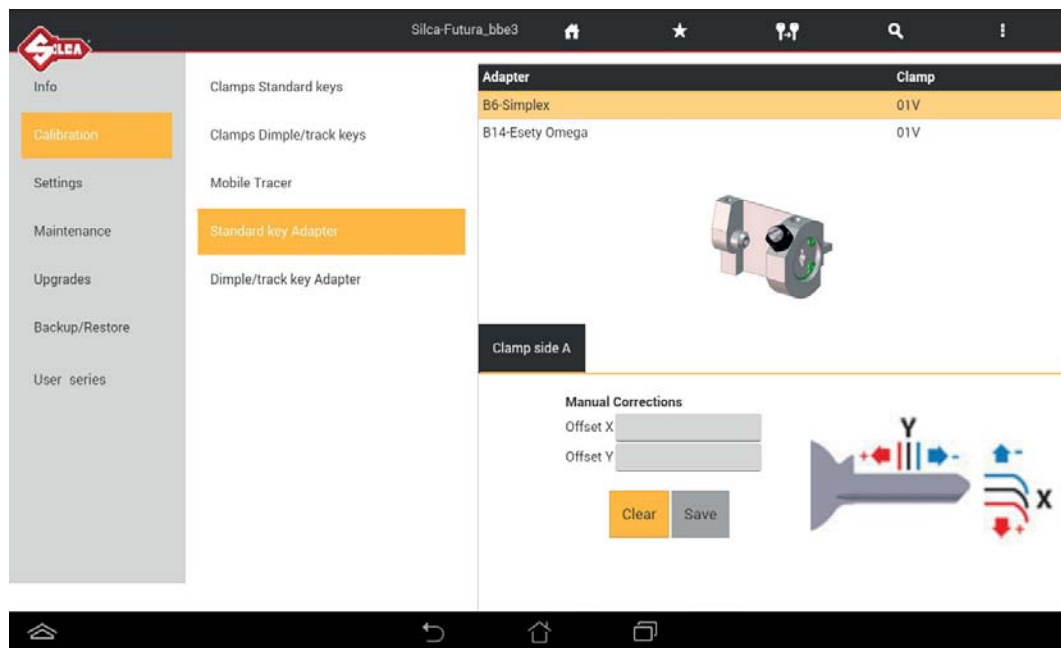
6.2.3 MOBILE TRACER 01T calibration

ATTENTION: when calibrating the 01T mobile tracer make sure the J1-J2 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.

6.2.4 STANDARD key Adapter calibration



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

Positive value of Y: takes cut closer to stop.

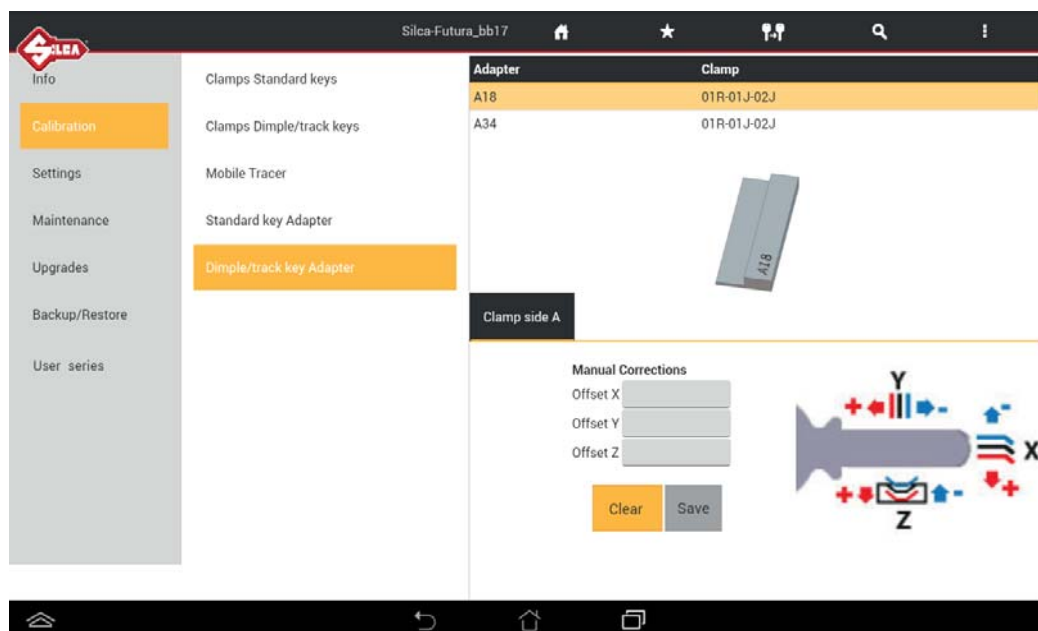
Negative value of Y: takes cut away from stop.

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.

6.2.5 DIMPLE/TRACK keys Adapters calibration



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.

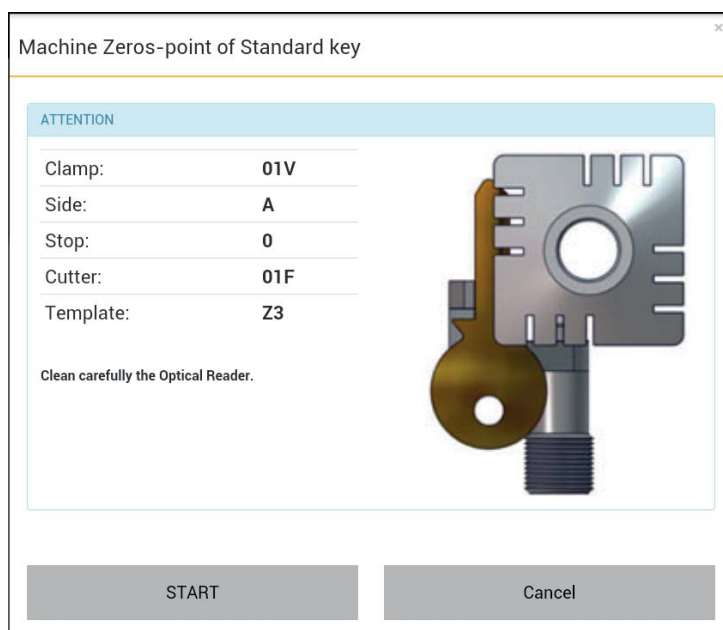
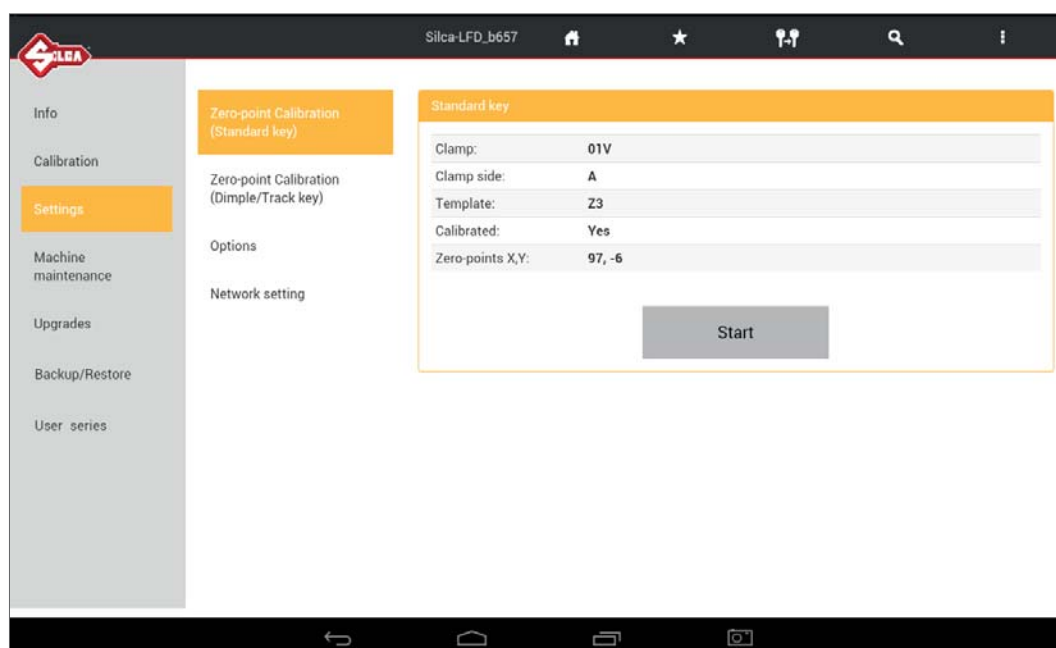
6.3 SETTINGS

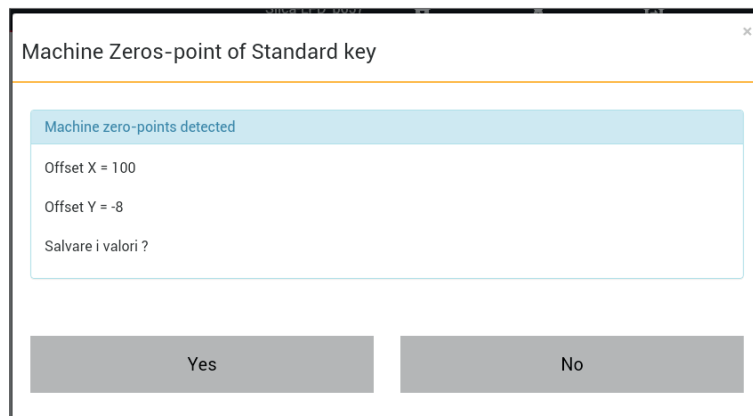
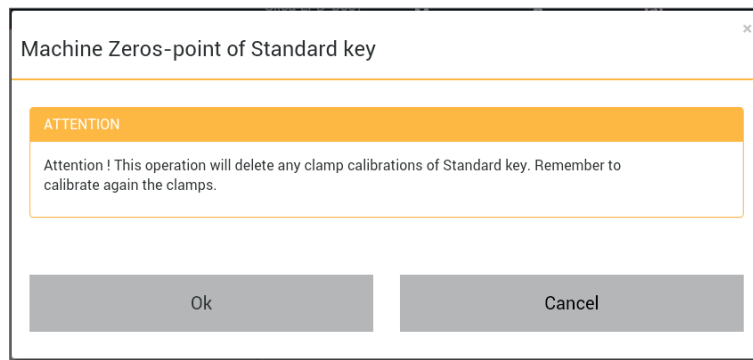
The Settings menu contains:

- **Zero-point Calibration (STANDARD key)**
- **Zero-point Calibration (DIMPLE/TRACK key)**
- **Options**
- **Network setting**

6.3.1 Zero-point Calibration (STANDARD key)

Tap START and follow the instructions on the screen.





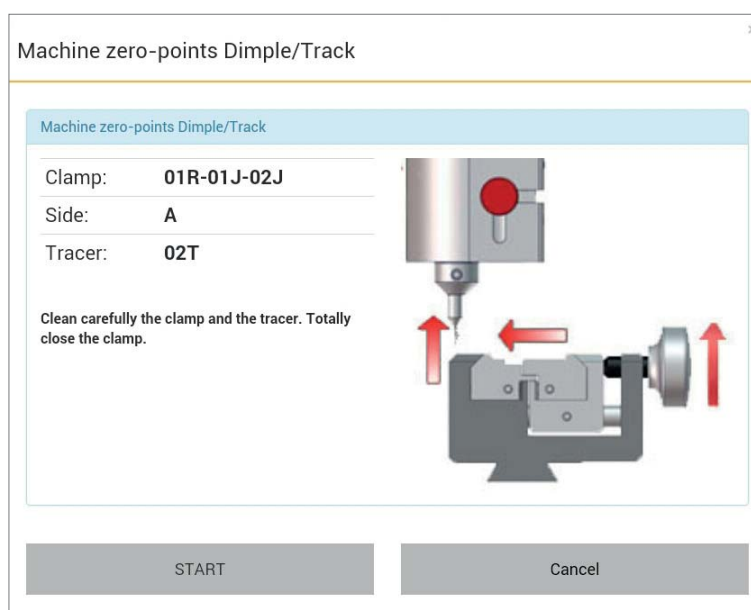
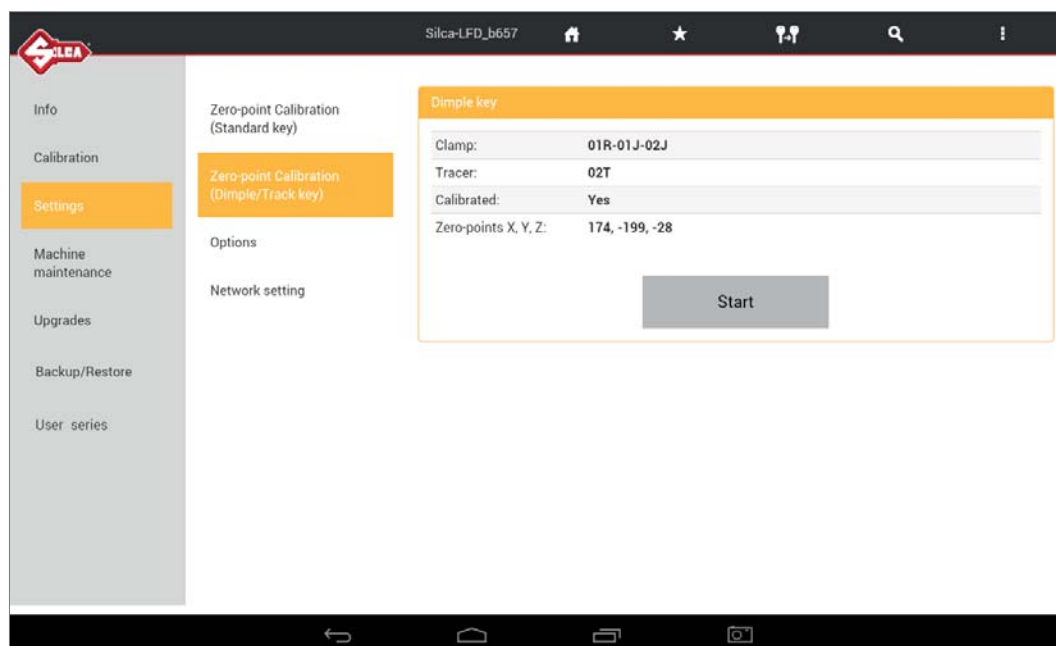
At the end of the operation you are required to save the data entered.
Tap "Yes" to confirm.

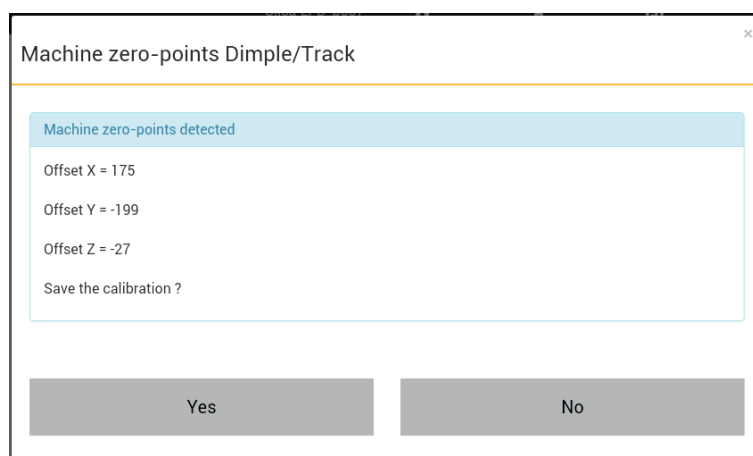
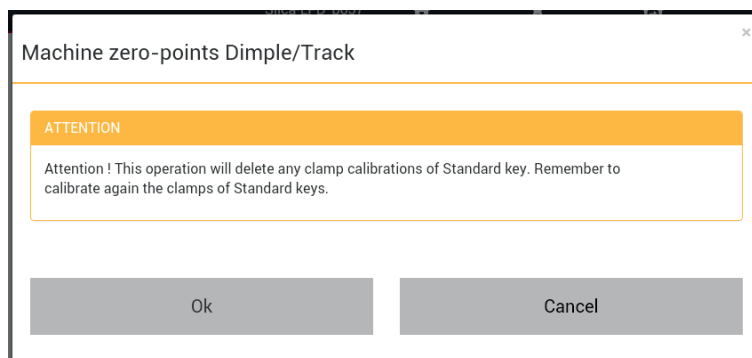
6.3.2 Zero-point Calibration (DIMPLE/TRACK key)

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.





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.

6.3.3 Options

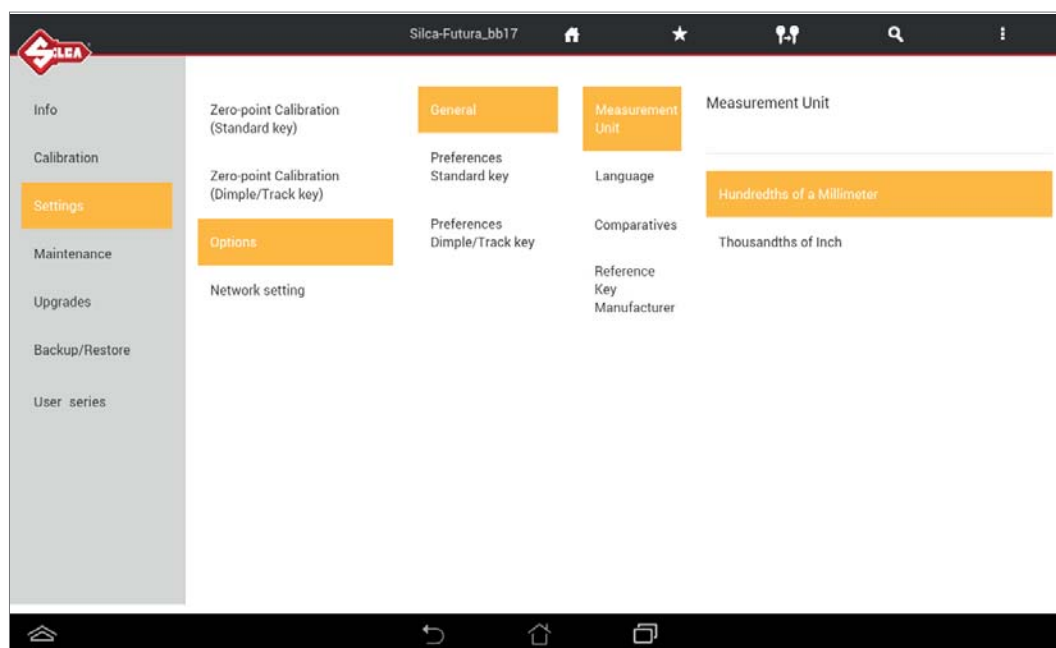
The Options menu contains:

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

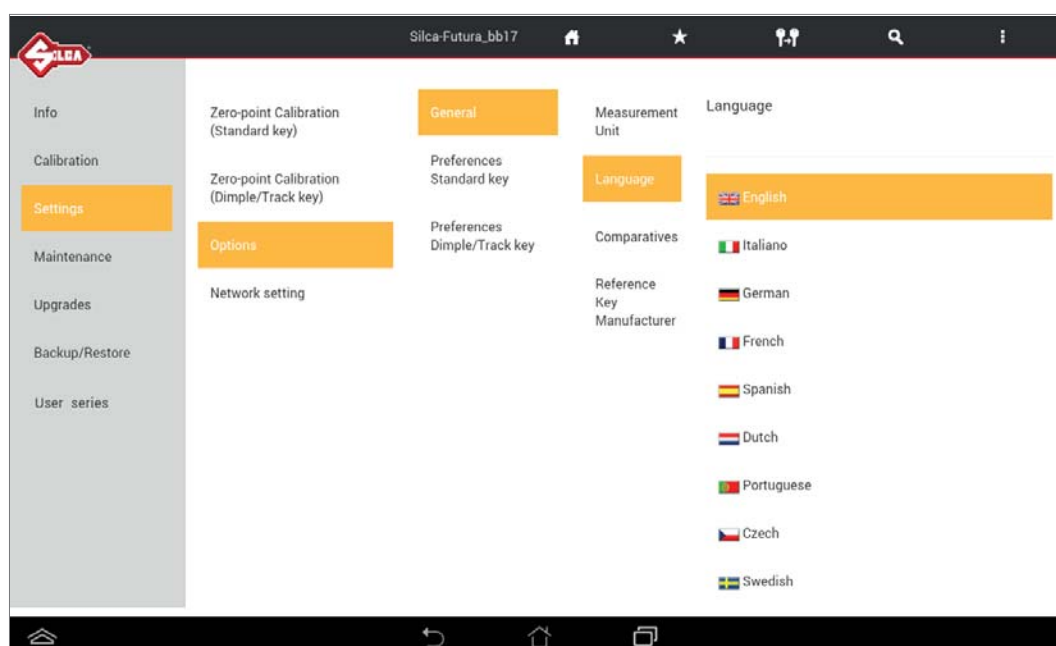
6.3.3.a General

The following parameters can be modified:

- **Measurement Unit** (millimeters or inches)



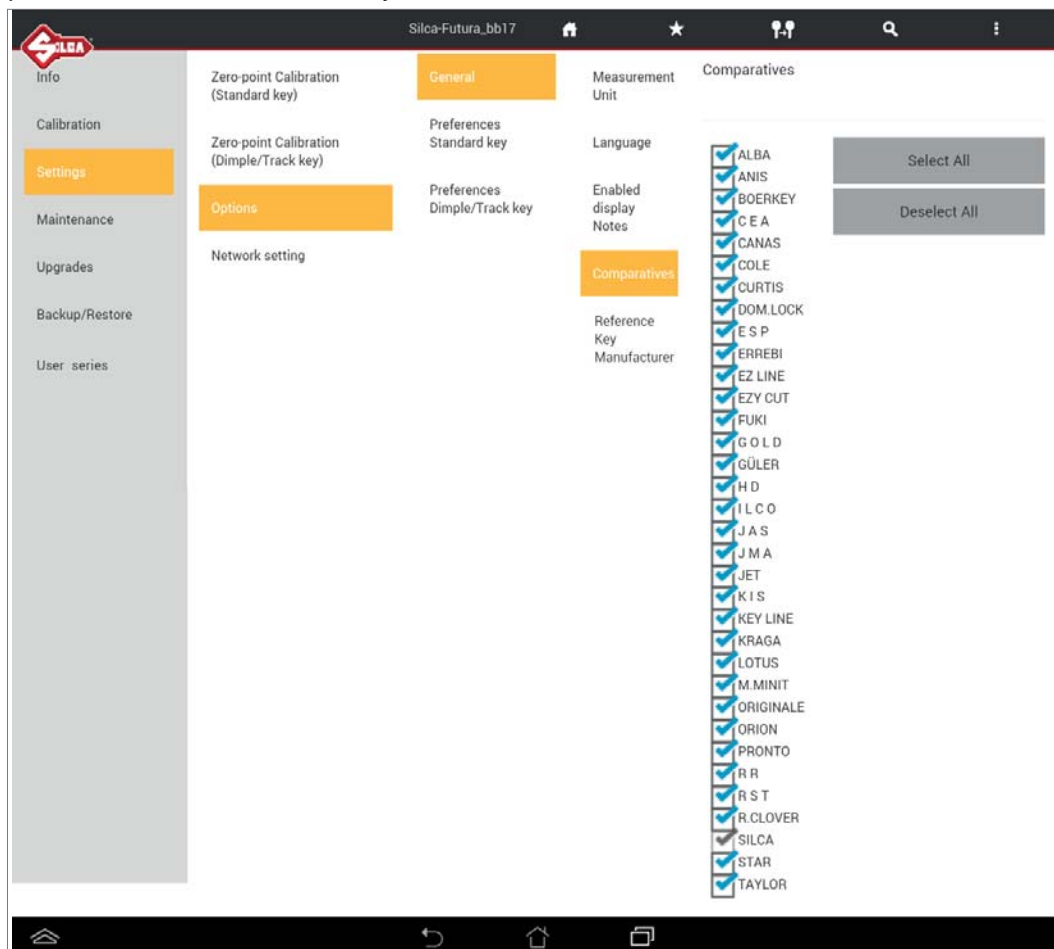
- **Language**



- **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.

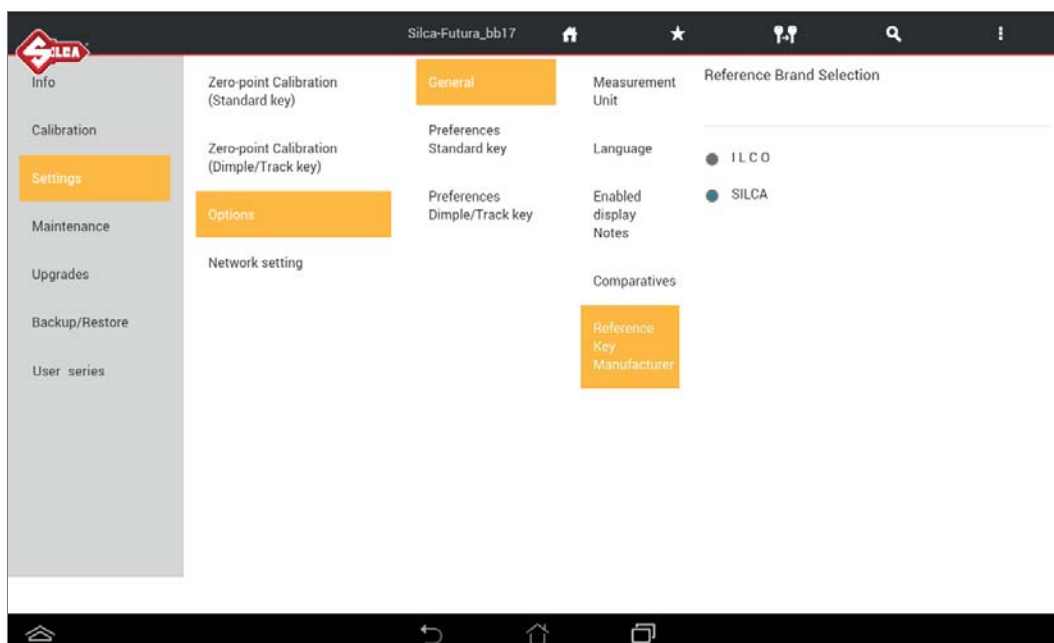
In the comparative list Silca is activated by default.



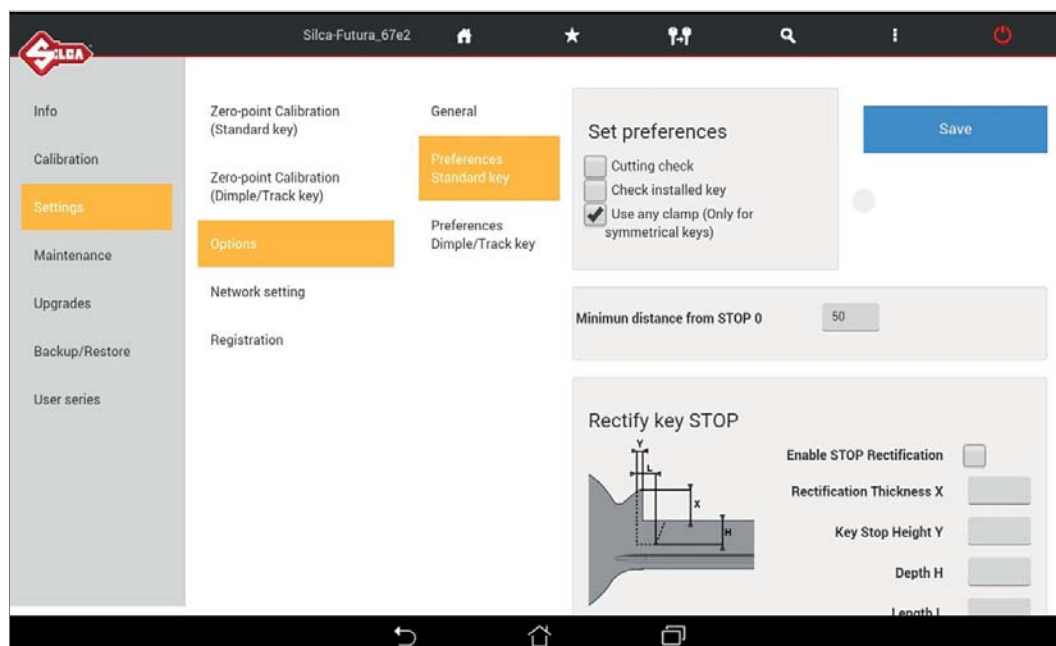
- **Reference Key Manufacturer**

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

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



6.3.3.b Preferences STANDARD key



Cutting check: in simple terms ...MACS protection (Maximum Adjacent Cut Specification). When enabled this function prevents the FUTURA PRO 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.

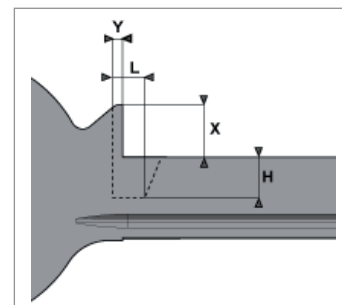
ATTENTION: option valid for **CUTTING** only (**NOT DECODING**).

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

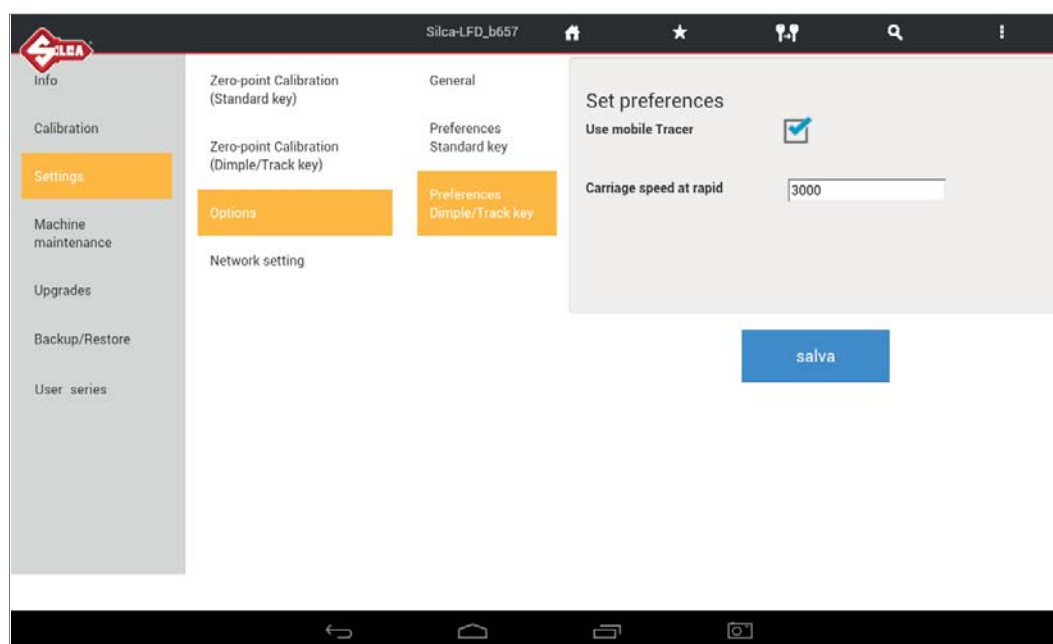
Minimum distance from stop: the range [50-90] (hundredths of a millimeter); 197-354 thousandths of an Inch)

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

X	0 - 99
Y	0 - 400
H	0 - 400
L	0 - 500



6.3.3.c Preferences DIMPLE/TRACK key




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.

6.3.4 USE

The FUTURA PRO 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)

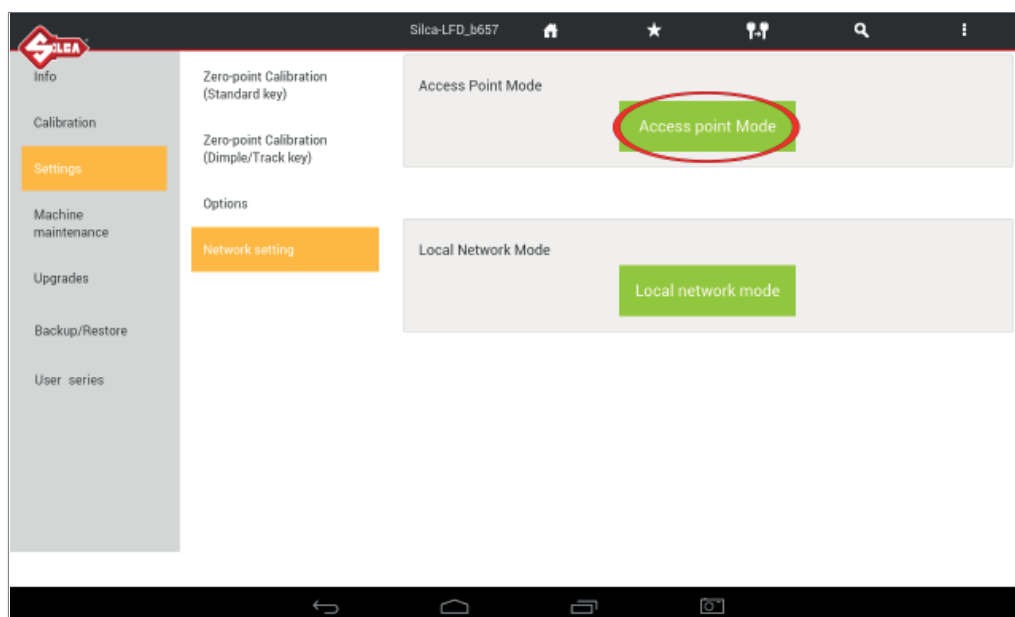
MODE	ACCESS TO INTERNET	TABLET - MACHINE Connection 	Recommended
ACCESS POINT	NO	Wi-Fi	YES
ETHERNET with connection to LAN	YES via CABLE	Wi-Fi	YES
TETHERING USB	NO	USB cable	YES
LOCAL NETWORK	YES via Wi-Fi	Wi-Fi	-

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

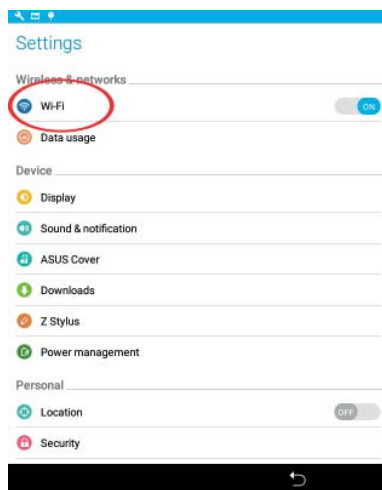
In this mode the Tablet connects directly to the machine.
The machine is set on this mode in our workshops.



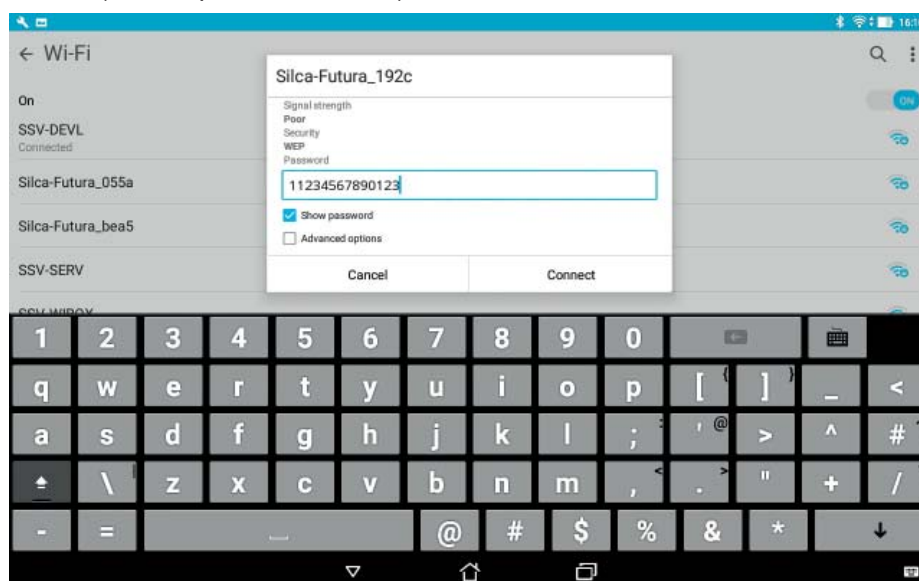
Fig. 3



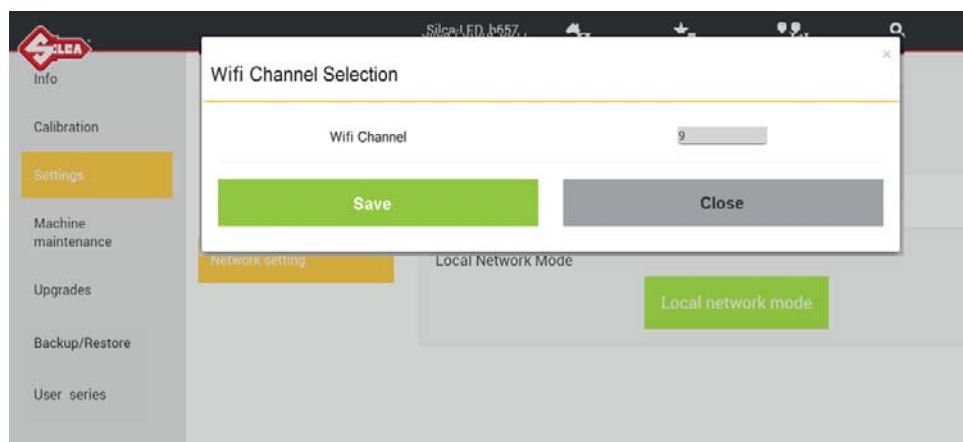
When the machine and Tablet are switched on the connection automatically activates in around two minutes; if not, check the Wi-Fi connection from your Tablet to see if the machine is included in the Wi-Fi networks that are found; the FUTURA PRO machine will appear as **Silca-Futura_....**



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



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.



6.3.4.b ETHERNET with connection to LAN and router

To connect the FUTURA PRO key-cutting 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. 4).

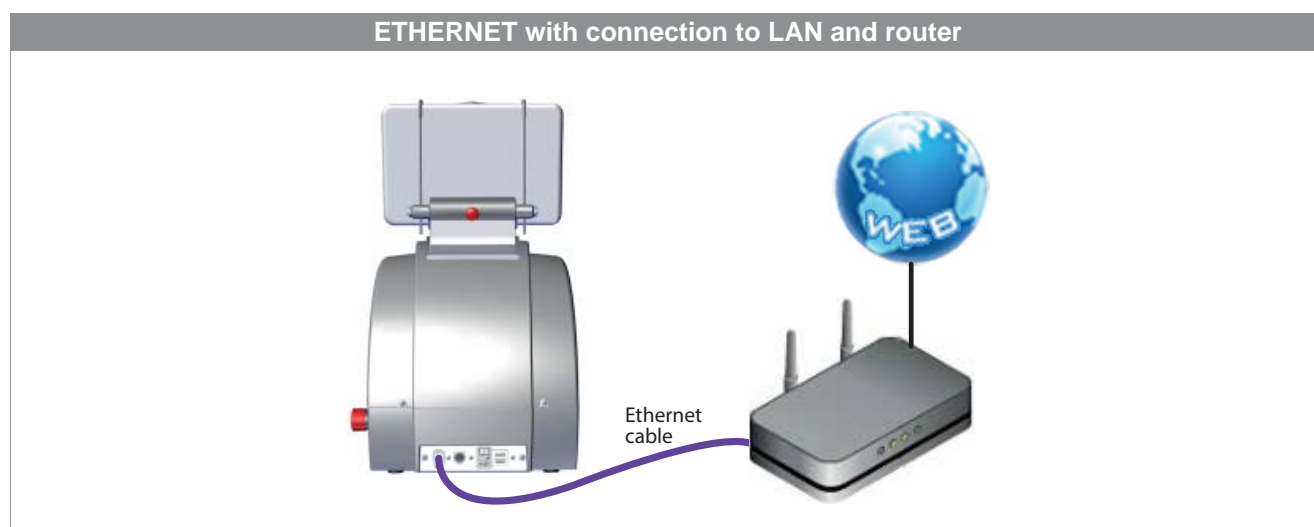


Fig. 4

6.3.4.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. 5).
- an Ethernet cable is not connected to the machine port.

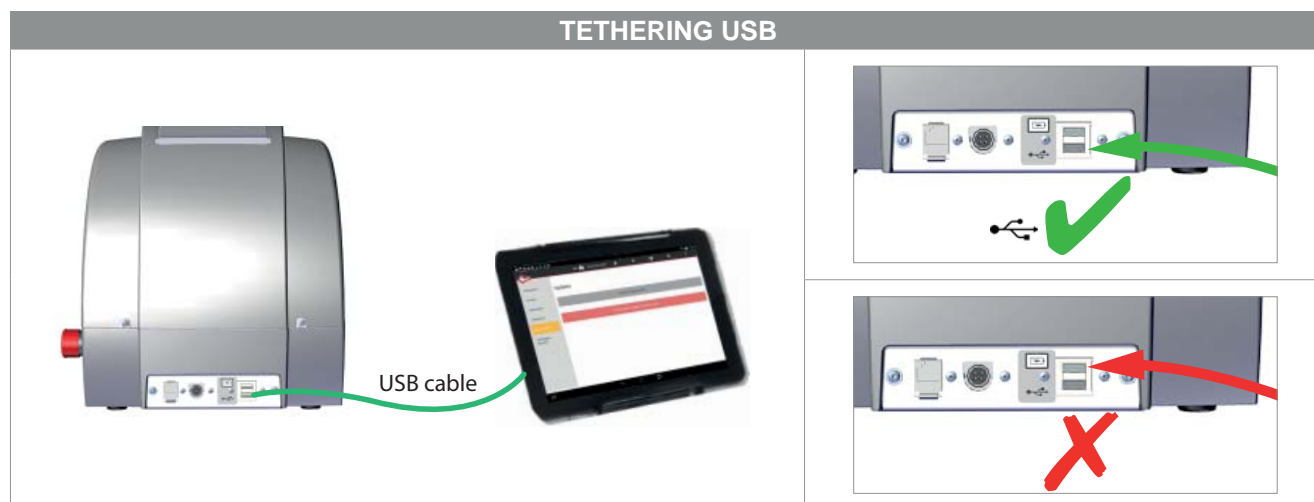

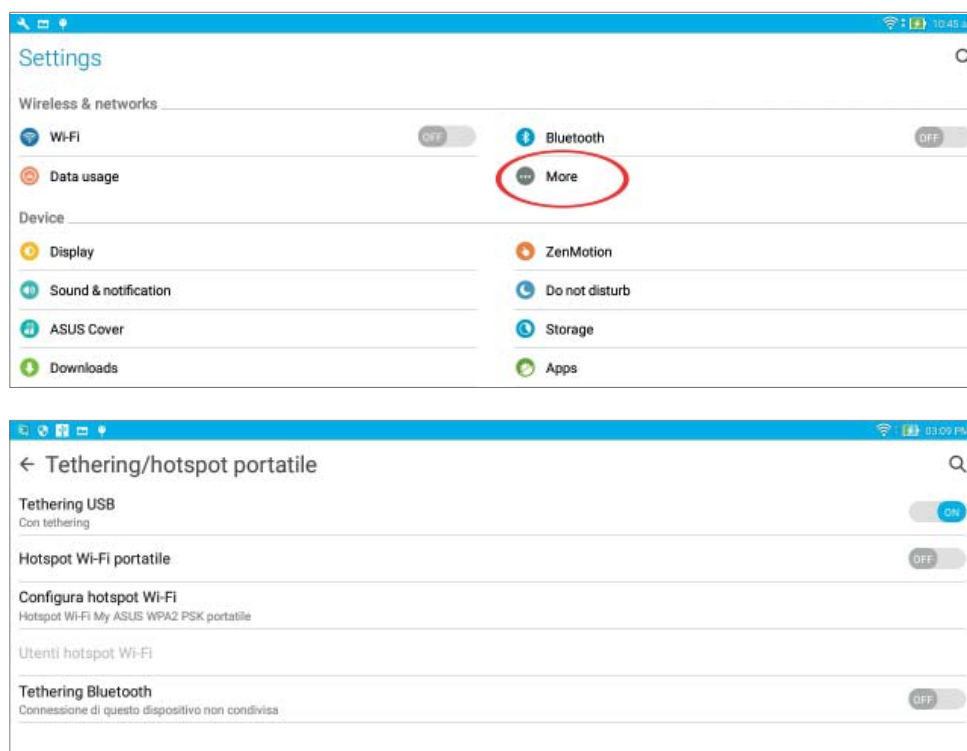


Fig. 5

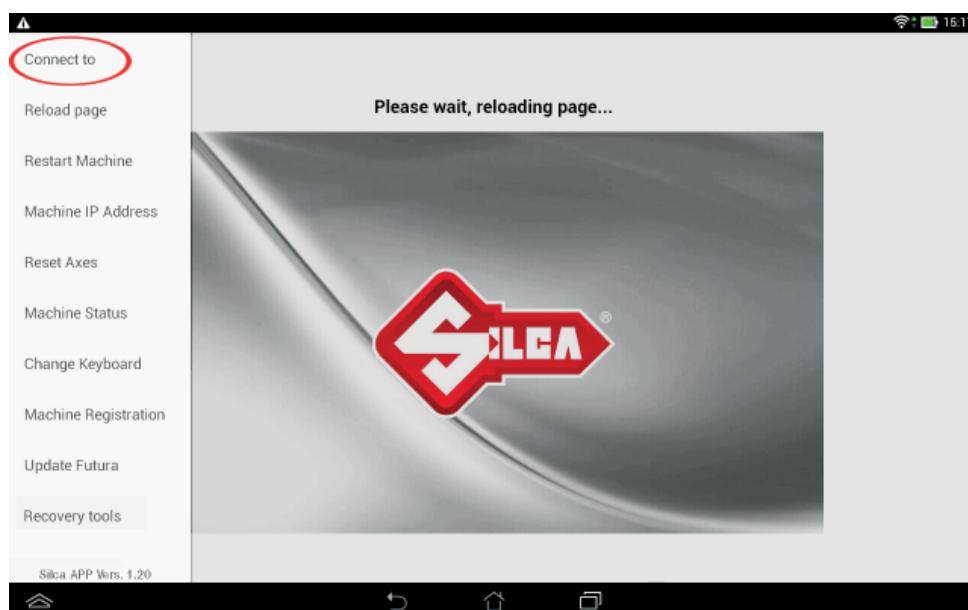
- 1) Connect the USB cable to the machine and Tablet (Fig. 5).
- 2) Access "Settings"  on the Tablet.
- 3) Set "OFF" to disable the Wi-Fi.
- 4) In the Tablet "Settings" tap the "More..." icon and select the item "Tethering & Portable hotspot".



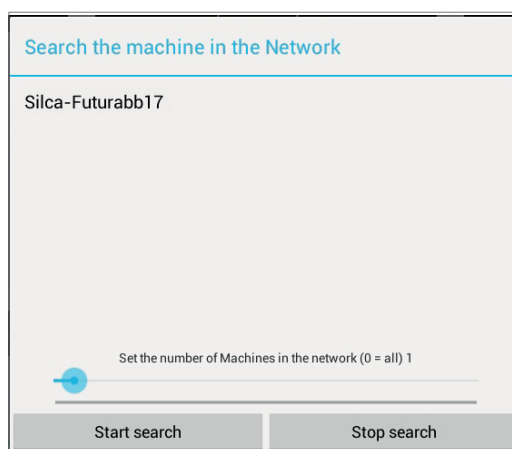
- 5) Tick "USB Tethering" or select "ON" to enable.

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.



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.

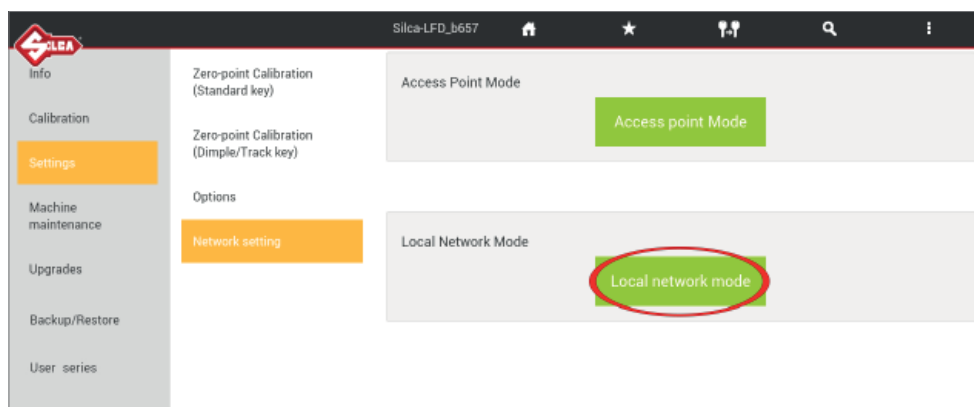
6.3.4.d LOCAL NETWORK mode

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 6.3.4.b as it performs better.



Fig. 6

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



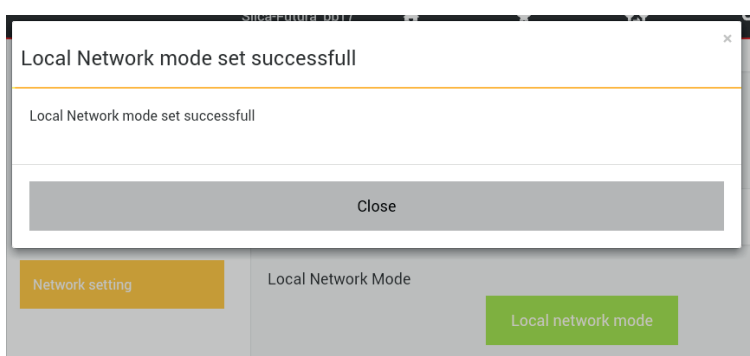
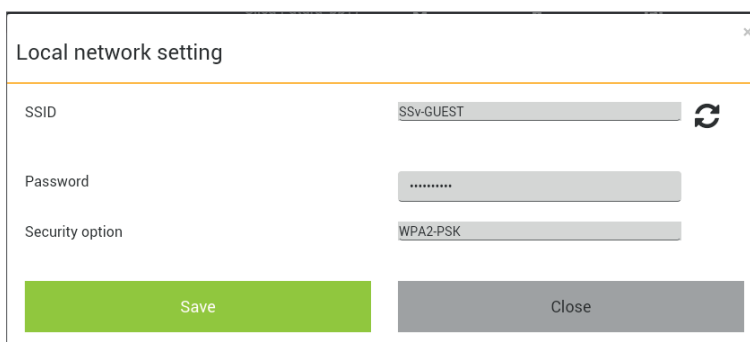
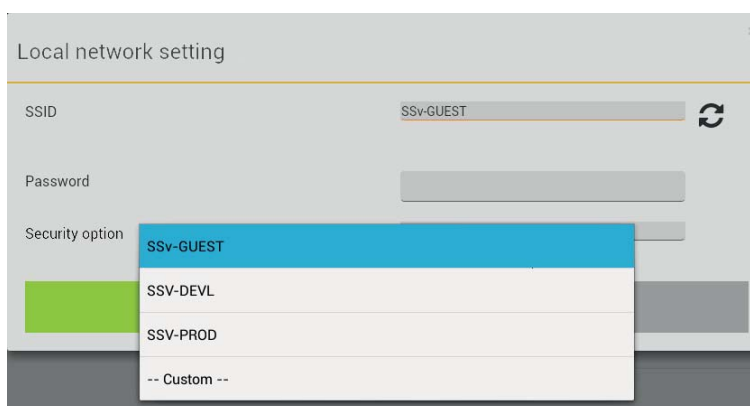
Perform the following operations to activate this method:

1) FUTURA 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.

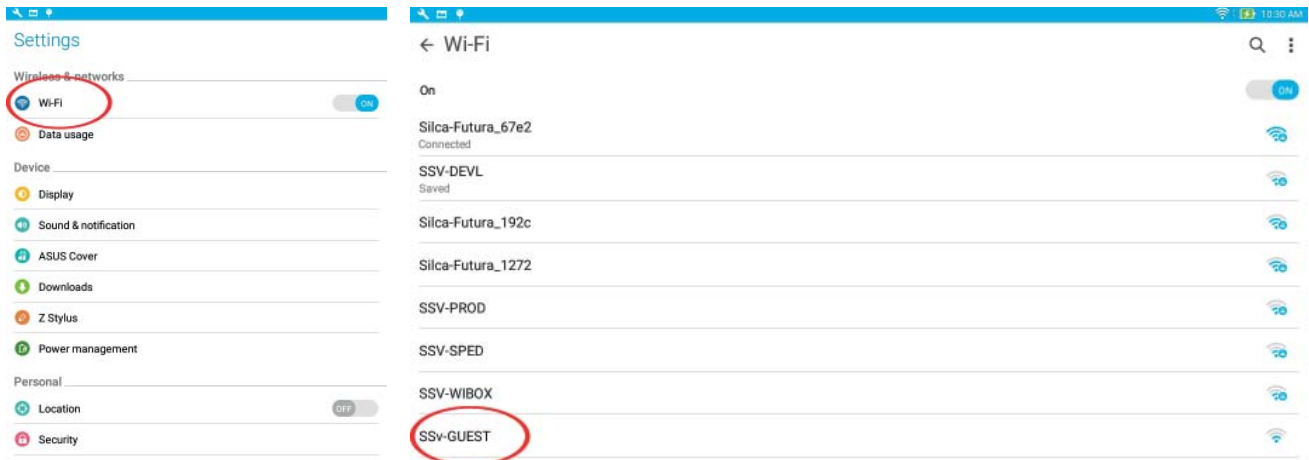
Tap "Save" to reboot the machine in Local Network. The machine should initially reboot with a flashing white and blue light, to then end with two flashing blue lights that indicate the connection to the local network was successful.

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



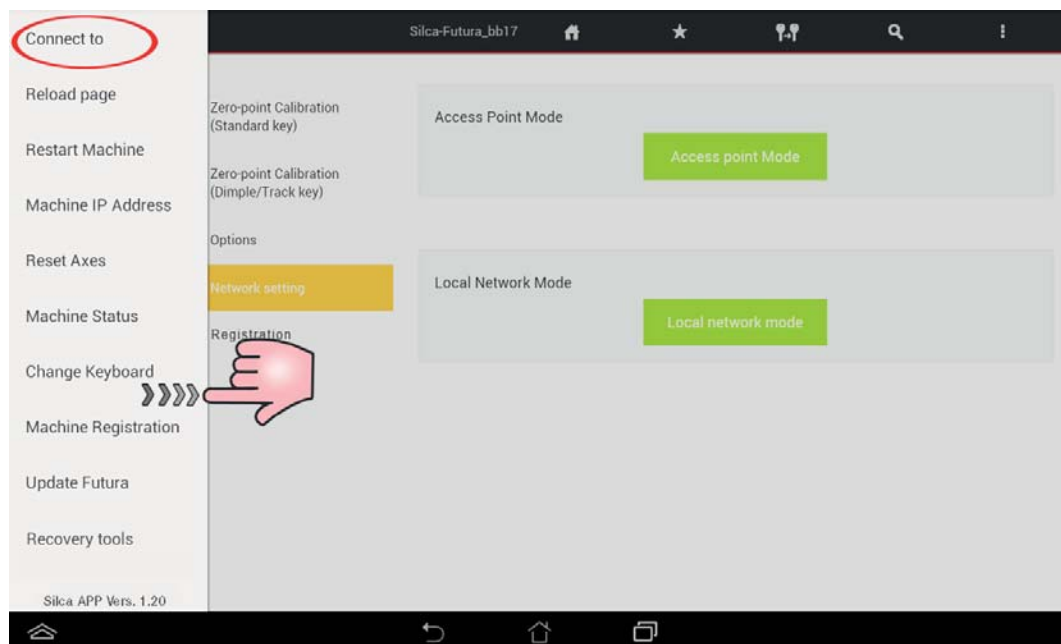
2) CONNECTING TABLET TO A WI-FI ROUTER

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

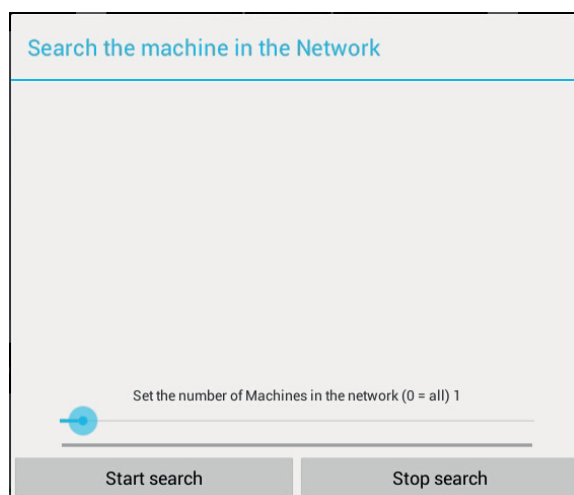


3) REBOOTING THE FUTURA'S APPS

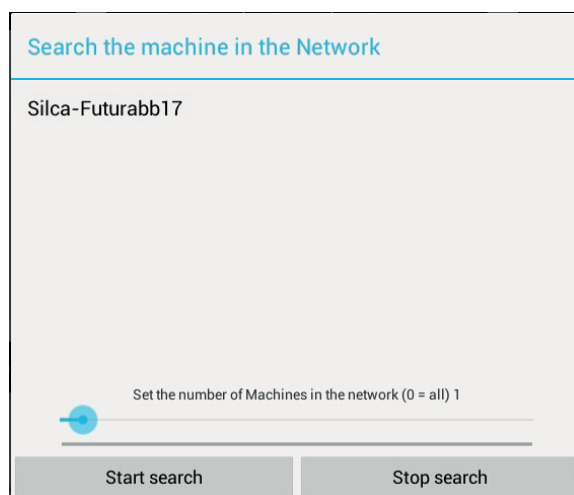
Open the drop-down menu and select "Connect to".



Tap on “Start Search” in the following window.



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



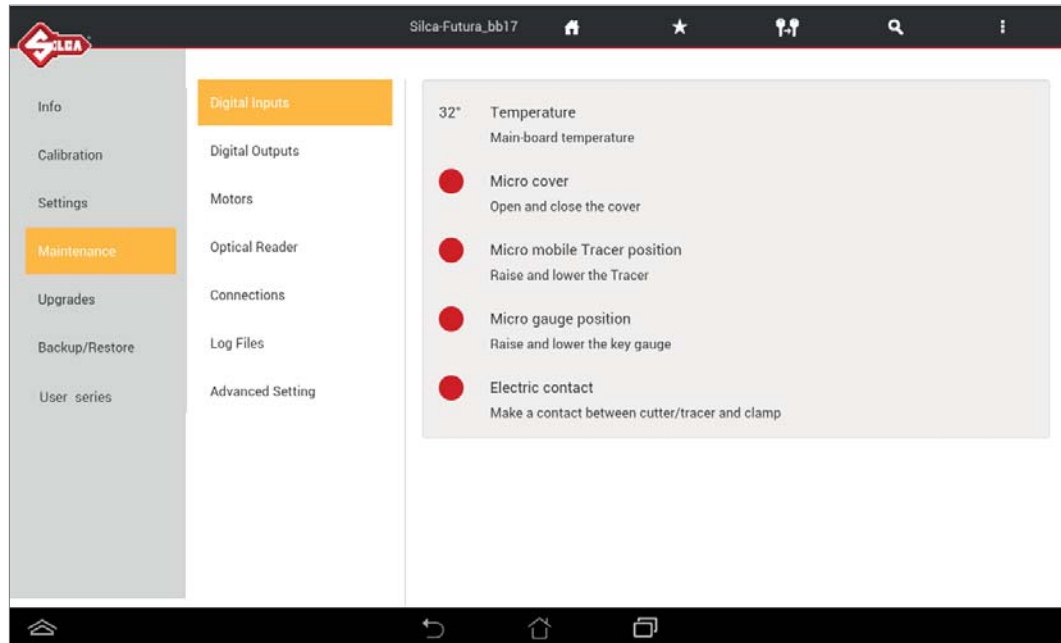
NOTE: the last mode setting will be automatically saved by the machine at each successive reboot; if the last set mode was LOCAL NETWORK and this mode is not recognized within a certain time frame the FUTURA PRO will automatically go to ACCESS POINT mode.

6.4 MACHINE MAINTENANCE

• Digital Inputs

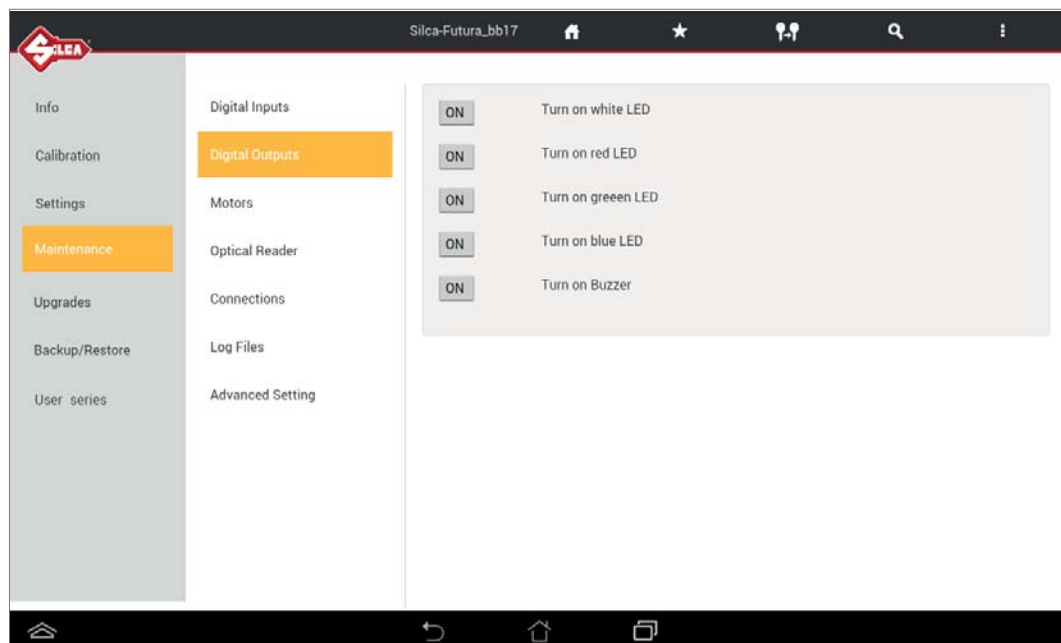
This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.

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.

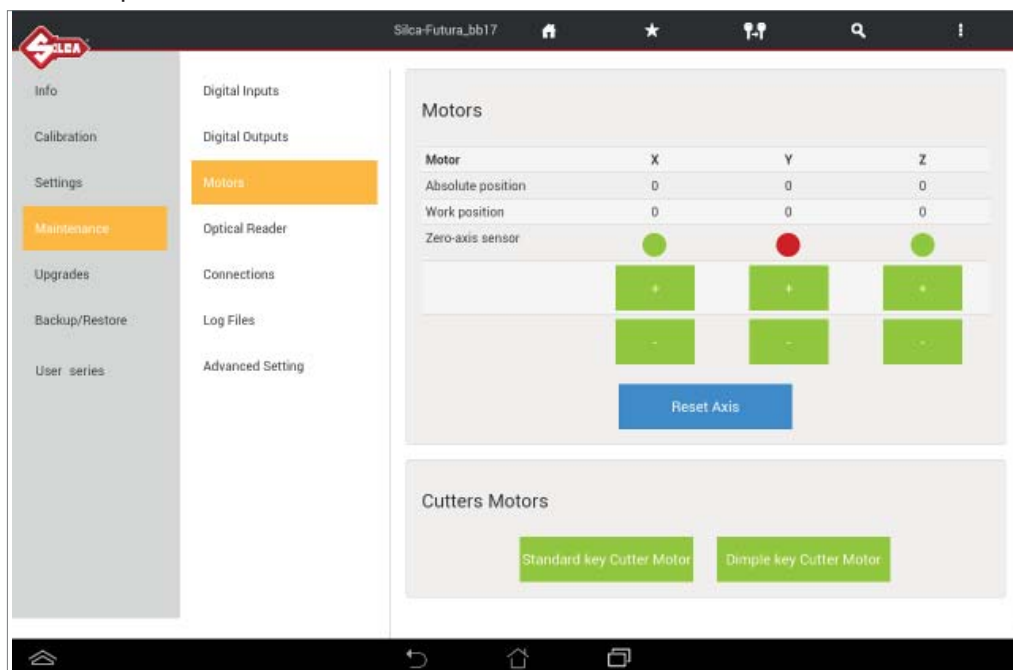
The Reset key homes the axes.

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

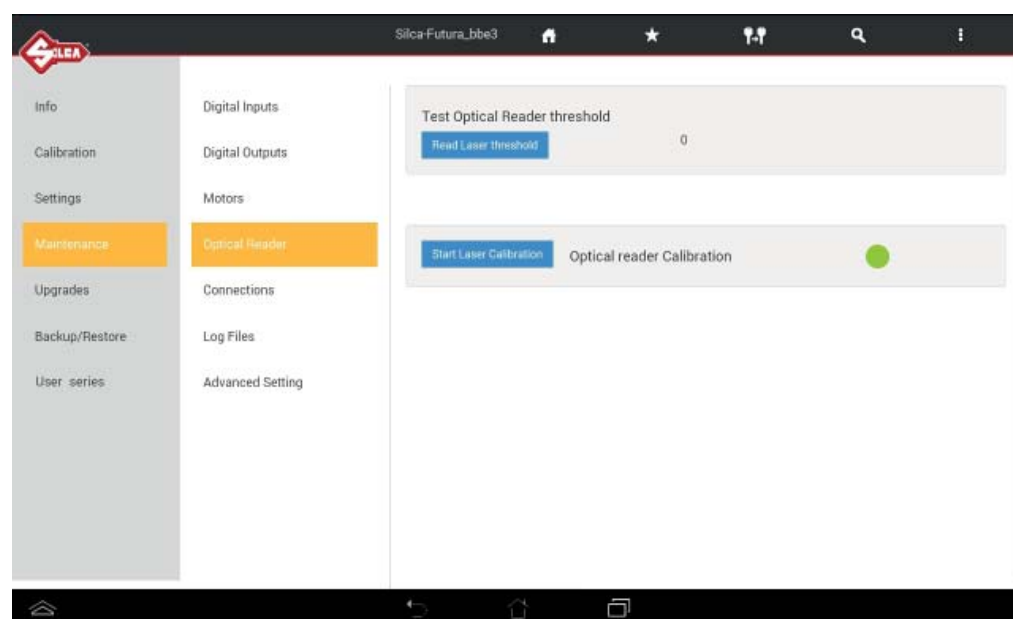
To perform the test tap the button for the motor to be tested: check that the cutter turns for 5 seconds.



• 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”.

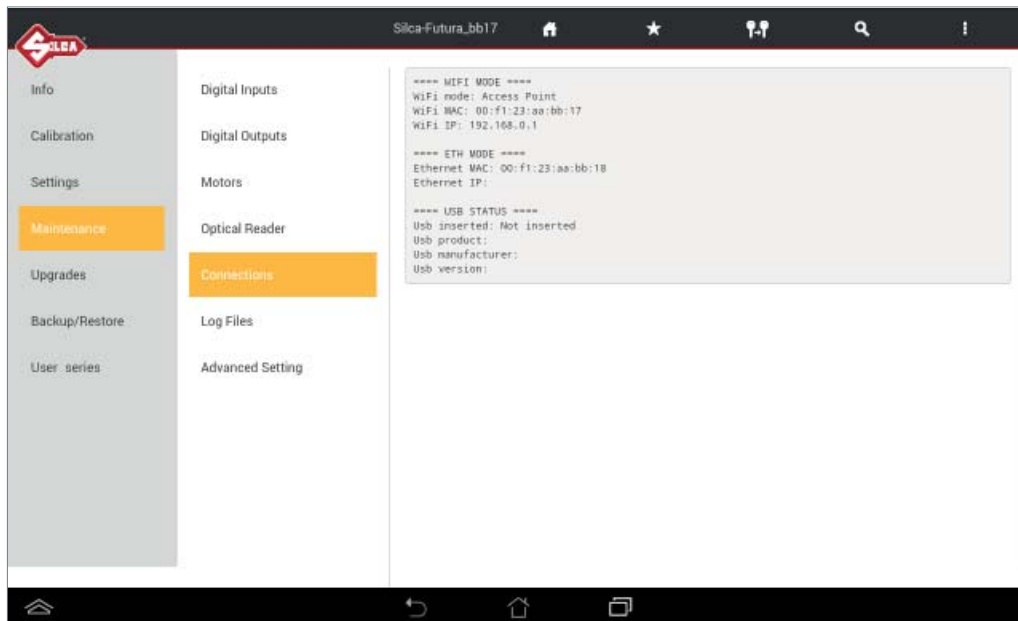


- Perform the Optical reader threshold test only if encountering anomalies when reading and/or decoding keys.
- Thoroughly clean the optical reader's glass, close the protective shield.
- Tap on "Optical reader calibration":
 - the green ball indicates that the optical reader is calibrated.
 - the red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

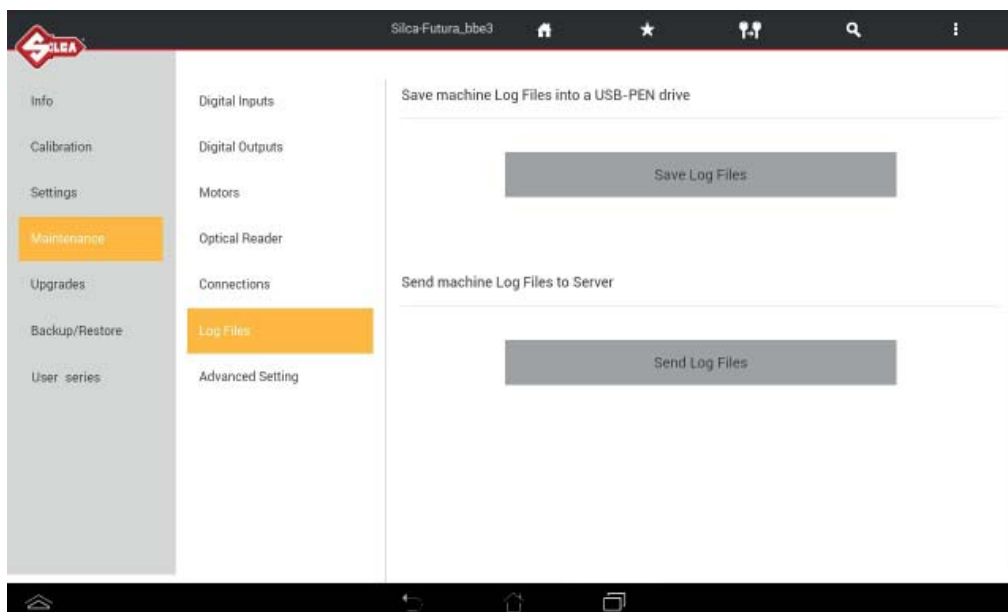


• Log Files

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. 7).
- or directly to Silca's Server (with the FUTURA PRO machine connected to a local network) Wi-fi or LAN cable connection).



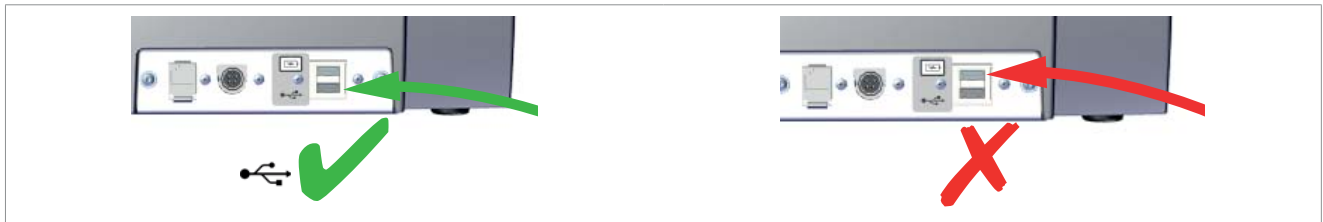
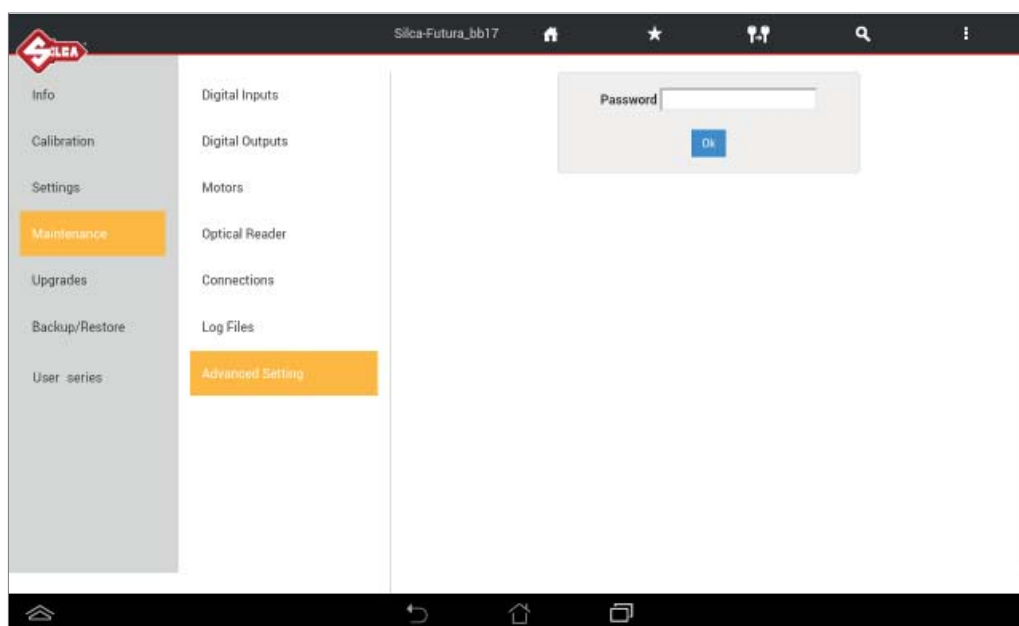


Fig. 7

- **Advanced Setting**

Function for Silca internal use.

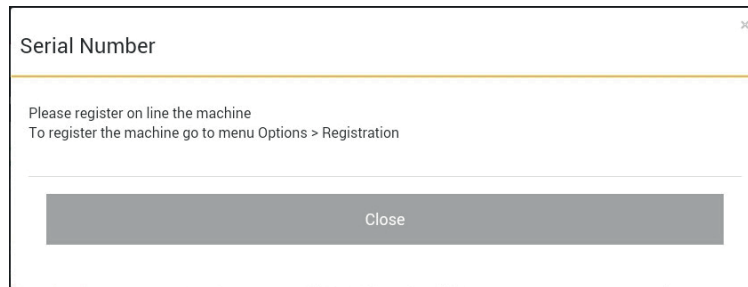


7 MACHINE UPDATE AND REGISTRATION

7.1 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.



- If the machine is not registered now, the same message will appear every time 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 PRO machine with access to the internet

Method 2: FUTURA PRO tablet with access to the internet

Method 3: Using the Silca Remote Service (SRS) program

Method 4: Using a browser on a PC/tablet connected to the internet

Method 1

FUTURA 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.

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”.

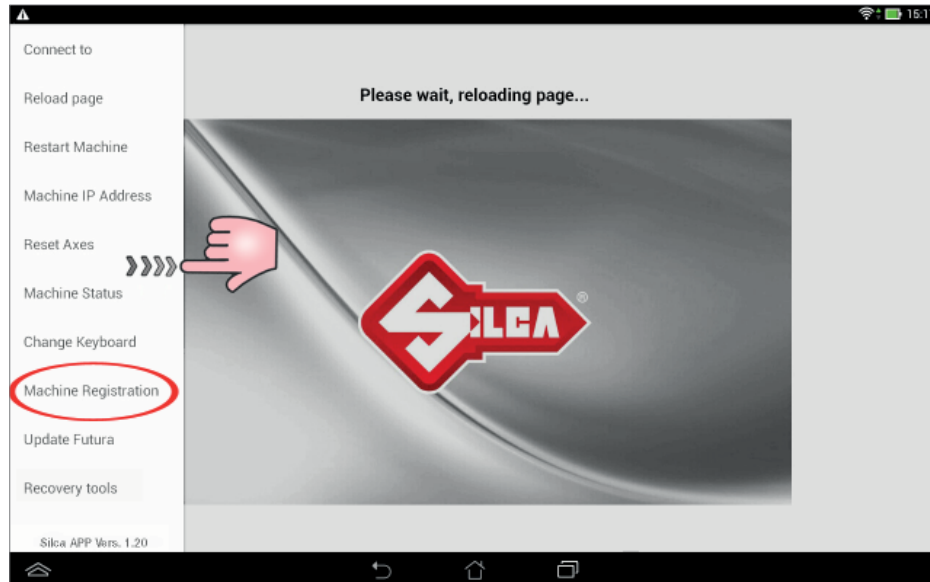
At the end, tap “Close” and then “Check” to conclude the registration procedure on the Tablet.

Method 2

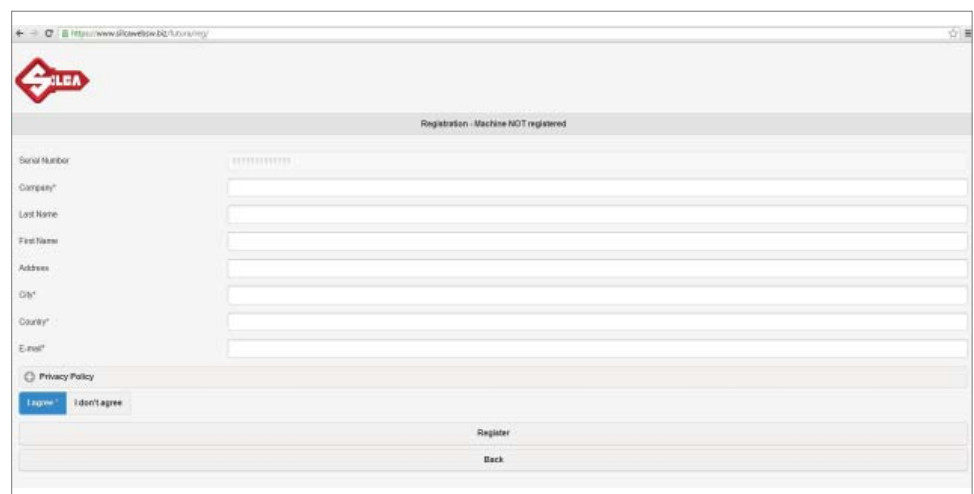
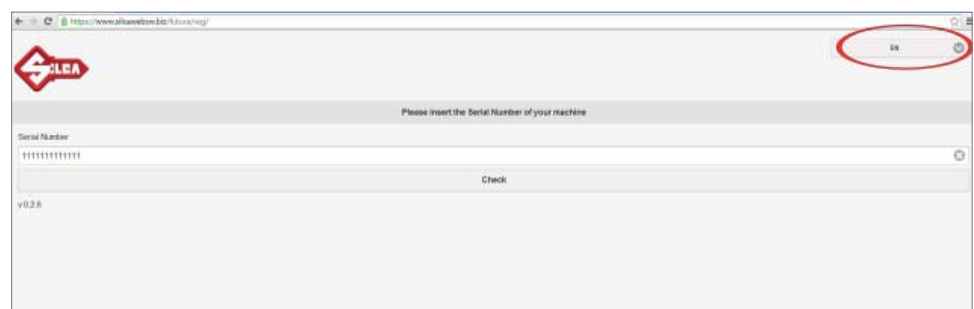
FUTURA PRO tablet with access to the internet

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.



Tap “Machine Registration”.



- 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”.



- Go back to the FUTURA PRO machine and re-connect in ACCESS POINT mode.

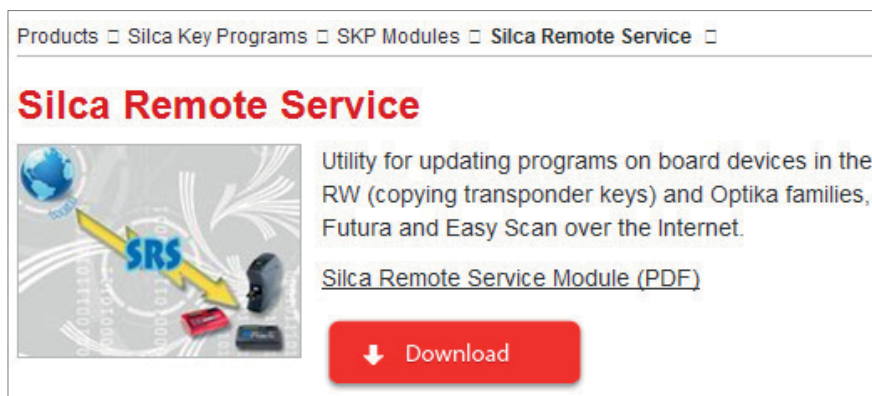
NOTE: when the machine is updated for the first time registration data will be transmitted by the Futura WEB server to the machine.

Method 3

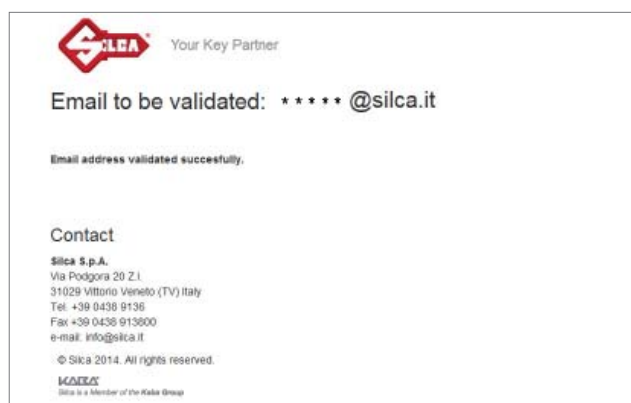
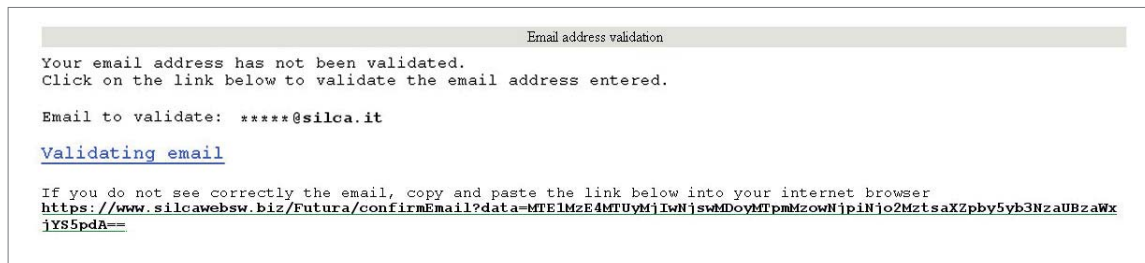
Using the Silca Remote Service (SRS) program

FUTURA PRO machine and Tablet connected in ACCESS POINT mode

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



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



The machine is now registered.

Method 4

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

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

<https://www.silcawebsw.biz/futura/reg/index.html>

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

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

- Enter the data in the fields indicated (fields marked (*) are required), tap “I agree”, then “Register” and wait for the message confirming that the machine has been registered.
- Confirmation of registration will be sent to the email address indicated.
- Use your email program to open the e-mail received from Silca and click on “Validating email”.

7.2 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 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

7.2.1 Update by TABLET

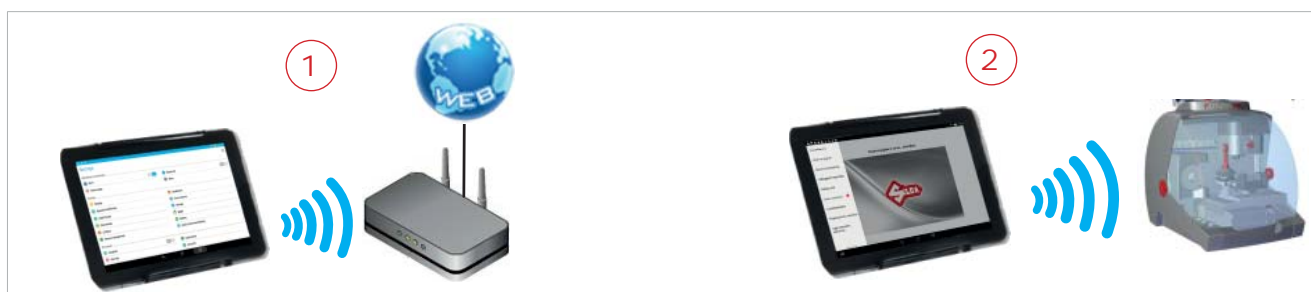


Fig. 8

ATTENTION: Make sure there is no USB PEN in the 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. 9).
 - Enter the machine serial number (13 digits) and then tap “Check”.

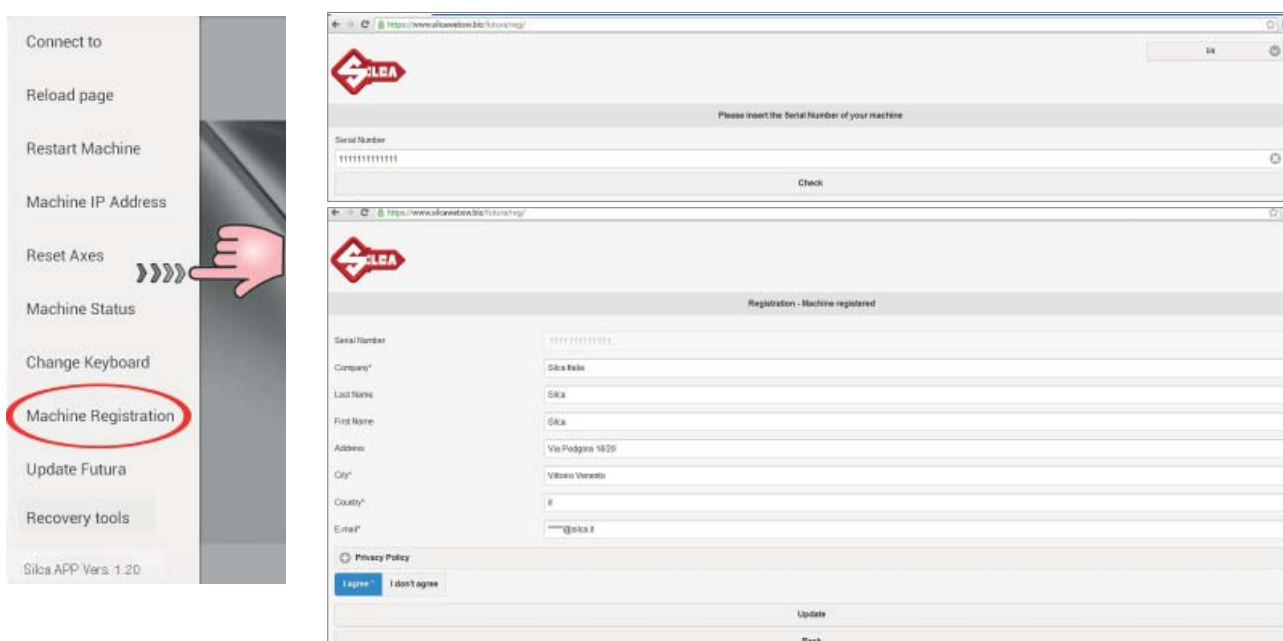


Fig. 9

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

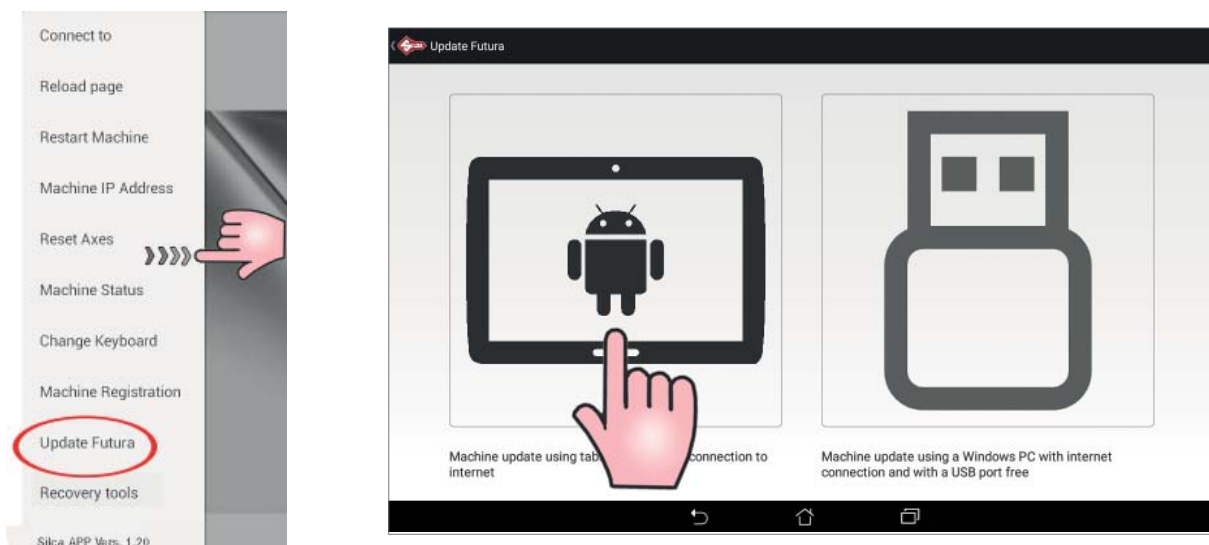


Fig. 10

- 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 PRO.

7.2.2 Update by USB PEN

This update procedure is used to update the 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. 11). Insert the USB PEN DRIVE into the machine and follow the instructions on the screen.

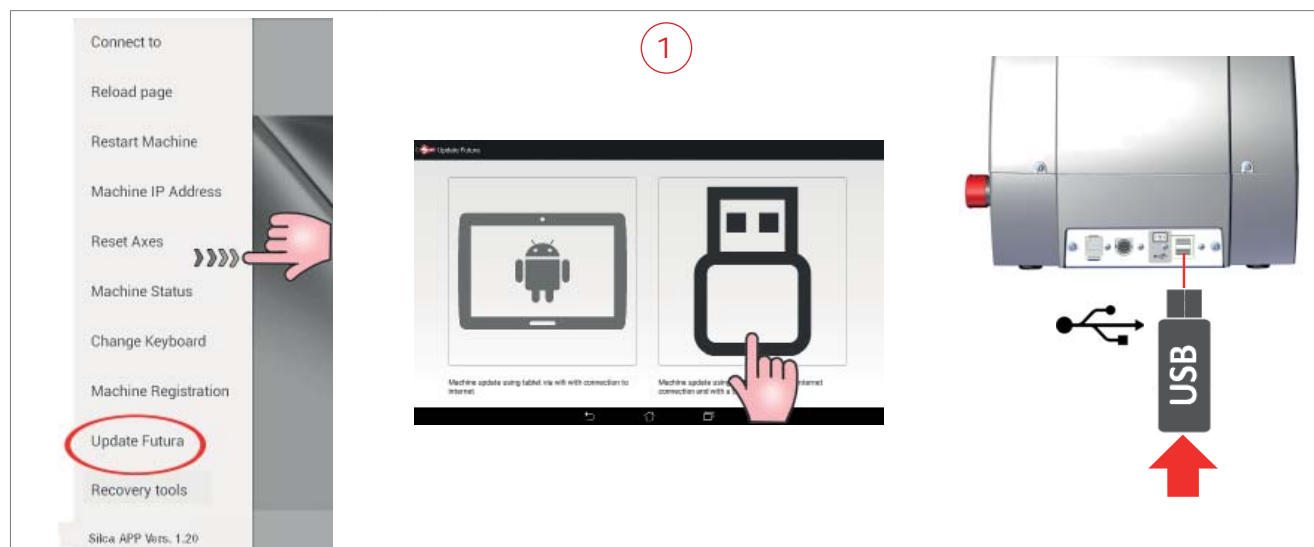


Fig. 11

- 2) Insert the USB PEN DRIVE into a PC connected to the internet (Fig. 12).

- 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).



Fig. 12

Insert the USB PEN DRIVE into the special port on FUTURA PRO (Fig. 13). 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 PRO to re-start (regularly flashing blue light).
- Start the FUTURA APP from your tablet.

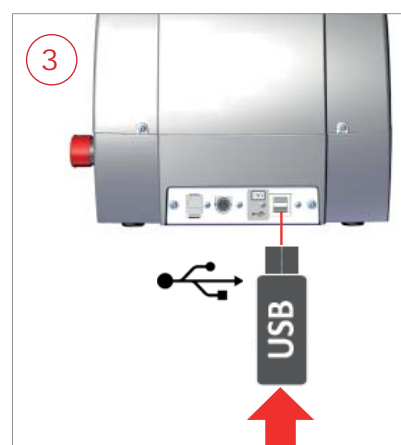


Fig. 13

7.2.3 Update with LOCAL NETWORK connected to the internet



Fig. 14

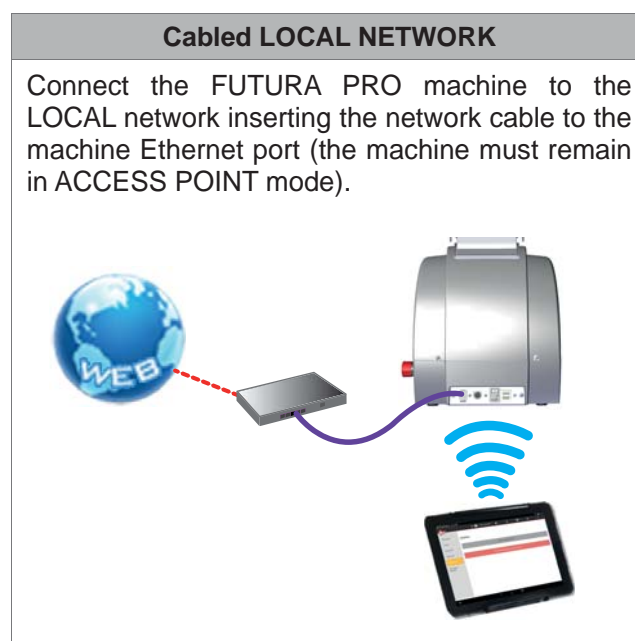


Fig. 15

ATTENTION: Make sure there is no USB PEN in the FUTURA PRO machine USB port during updating.

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

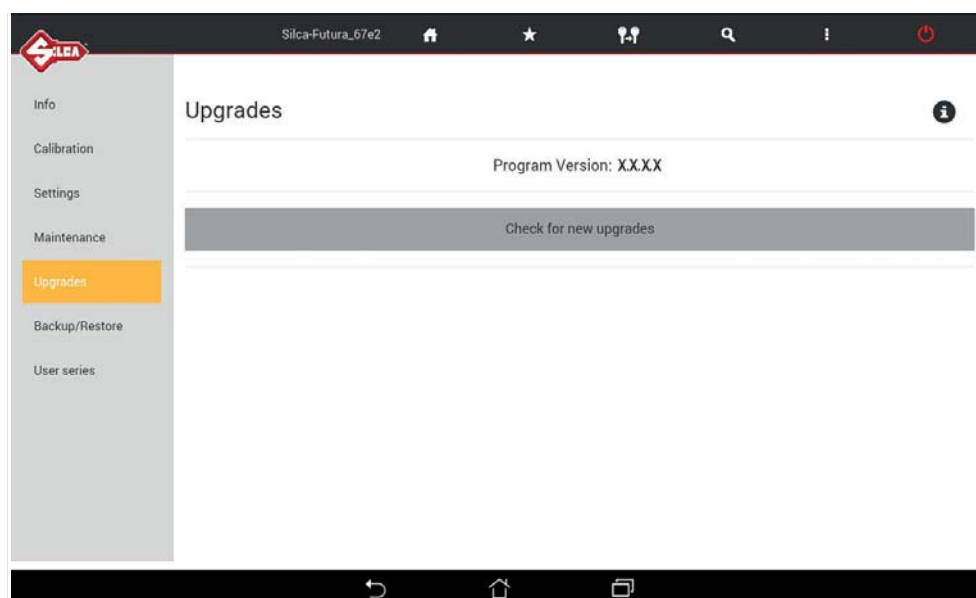



Fig. 16

NOTE: tap  to view machine update methods.

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

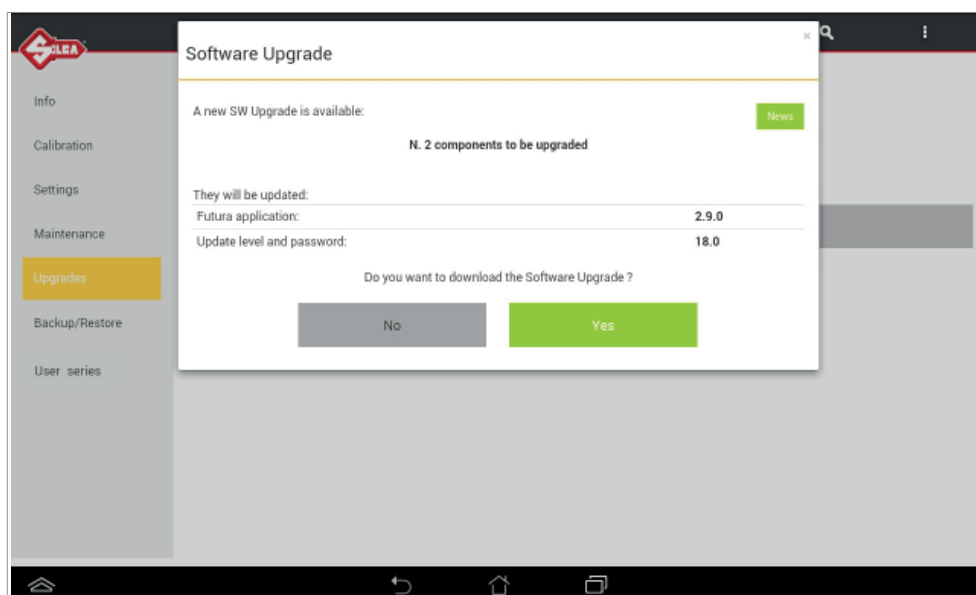


Fig. 17

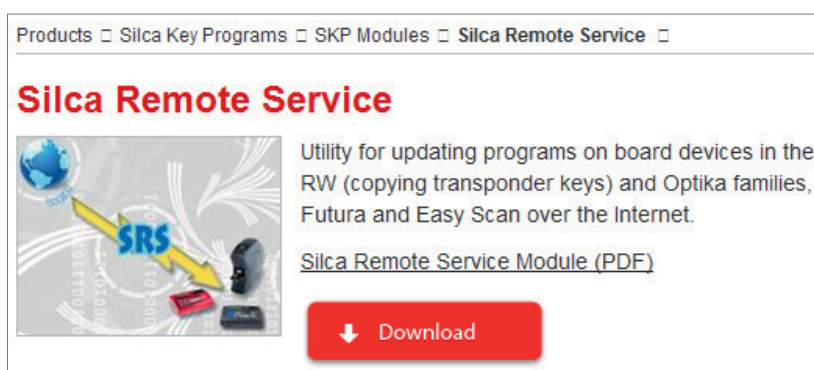
- Tap “News” to see information about the update to be installed on the machine.
- Tap on “Yes” to start downloading.
- When download is over, you will be asked to restart the FUTURA PRO machine (procedure run by the software). Follow the on-screen instructions.

7.2.4 Update with SRS Program (Silca Remote Service)



Fig. 18

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



The machine can be updated in the following ways:

Method 1 (QUICK update)

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


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

- Fit a blank format FAT32/NTFS USB PEN into the FUTURA 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 PRO machine is off (red push button) and that the FUTURA APP on the Tablet is closed.
- Fit the USB PEN into the FUTURA PRO machine USB port (on the rear of the machine - Fig. 7, page 55).
- Start the FUTURA PRO machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the FUTURA PRO machine). Wait for FUTURA PRO to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

ATTENTION: do not unplug or turn off FUTURA PRO during updating.

Method 2 (TOTAL update)

TOTAL update will download all the files on the machine

Start the program  and select the FUTURA PRO machine.

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

- Enter the 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 FUTURA PRO machine is off (red push button) and that the FUTURA APP on your Tablet is closed.
- Fit the USB PEN into the FUTURA PRO machine USB port (on the rear of the machine - Fig. 7, page 55).
- Start the FUTURA PRO machine and wait a few minutes until the white light flashes regularly. Remove the USB PEN (without turning off the FUTURA PRO machine). Wait for FUTURA PRO to re-boot (blue light flashing regularly). Start the Futura APP from your Tablet.

ATTENTION: do not unplug or turn off FUTURA PRO during updating.

7.3 APP UPDATE (Silca.apk and SilcaKeyboard.apk)

After you updated the 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.

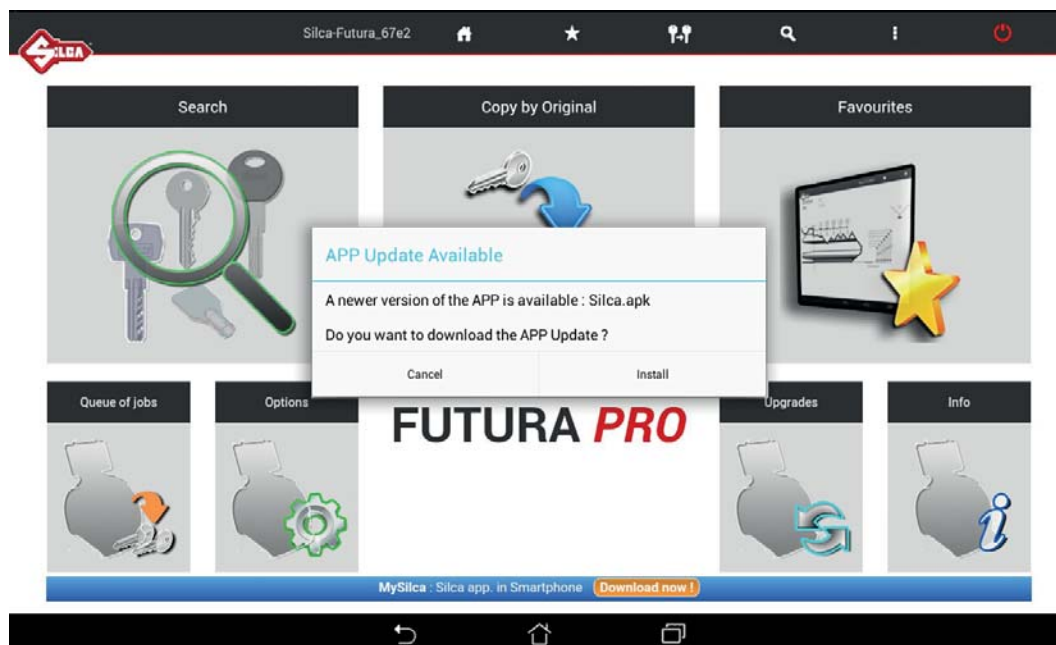


Fig. 19

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

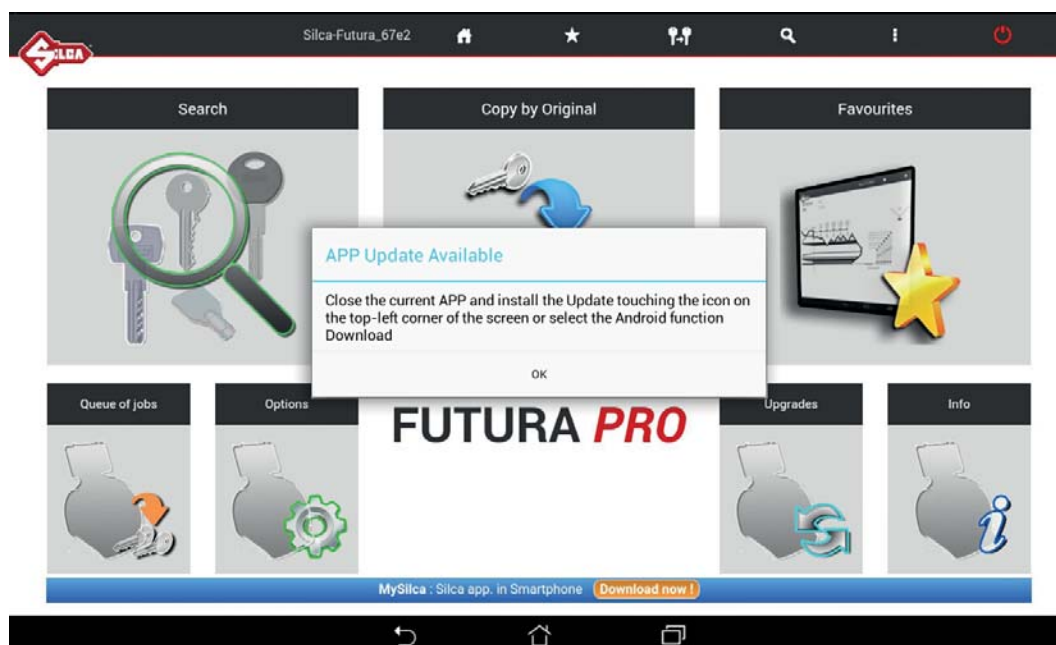


Fig. 20

Close the application that is opened by tapping on  and dragging the Futura APP downwards off the screen (see Fig. 21).

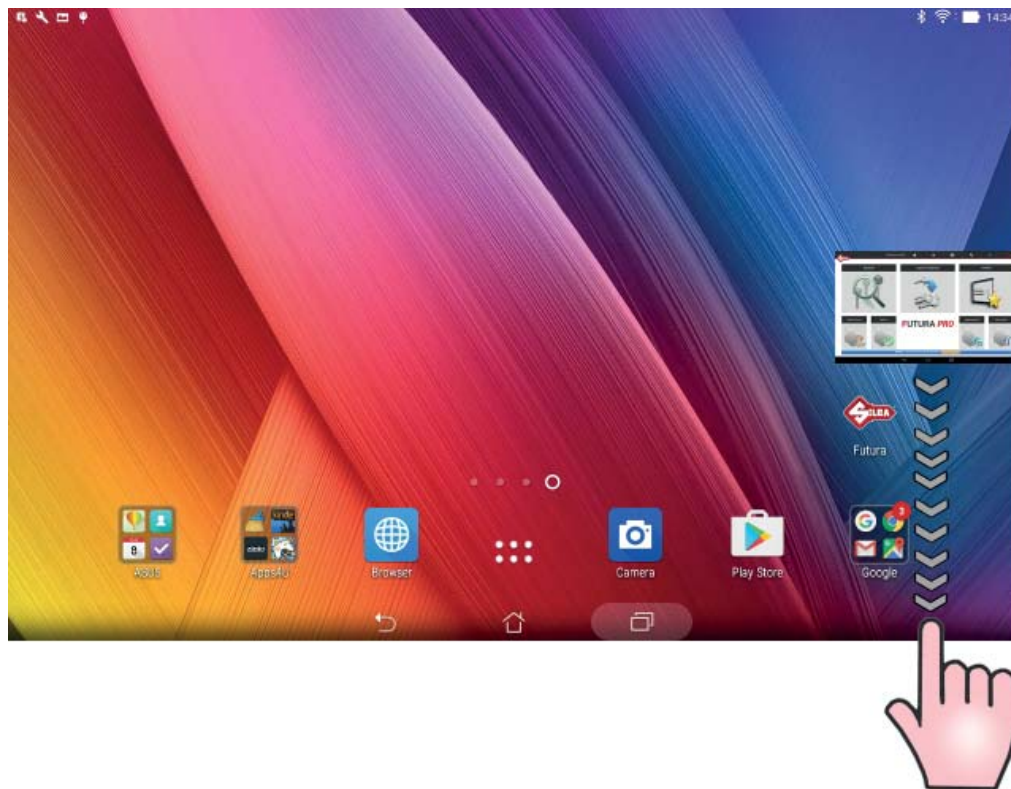


Fig. 21

Select “Downloads” from the tablet “Setting” menu  (Fig. 22).

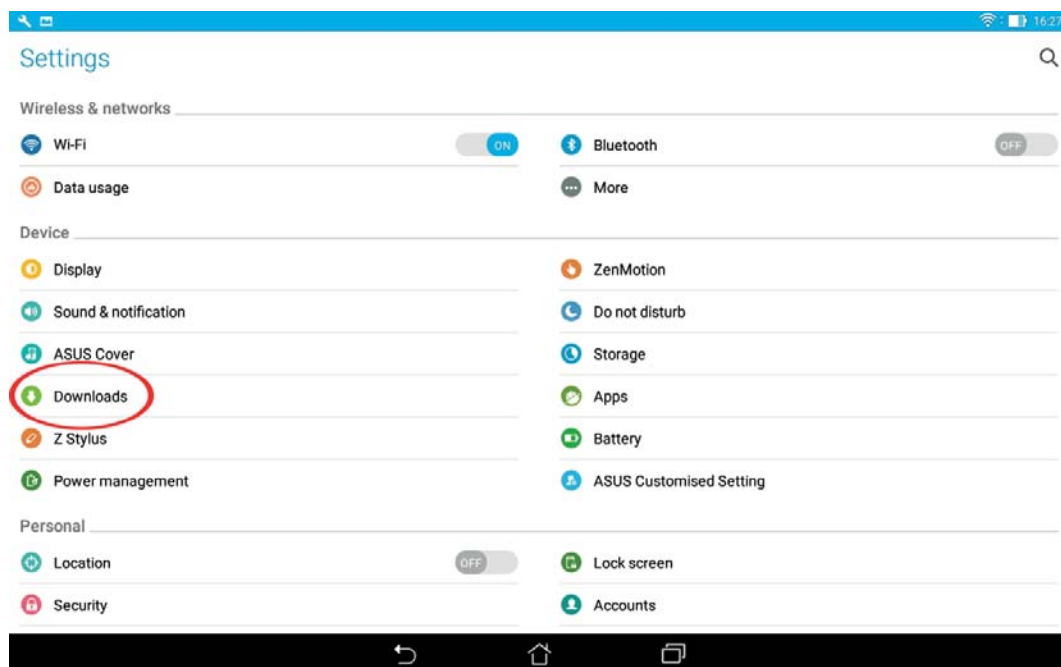


Fig. 22

Select **Silca.apk** and tap on “Install” (Fig. 23).

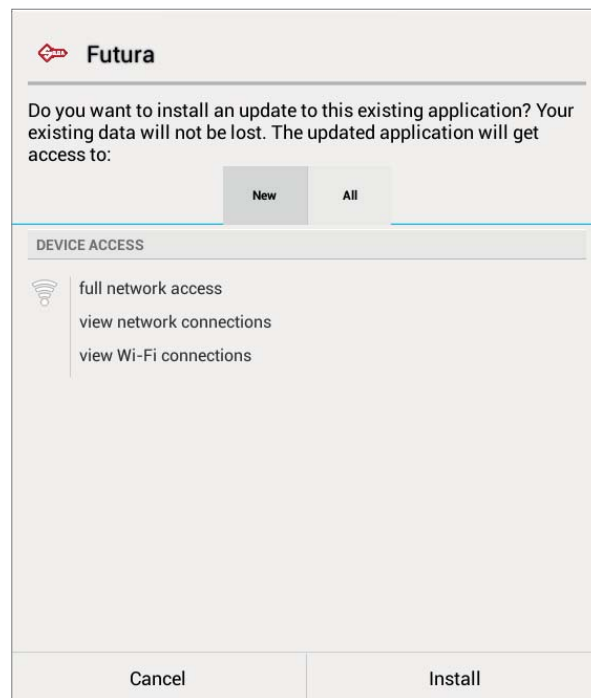


Fig. 23

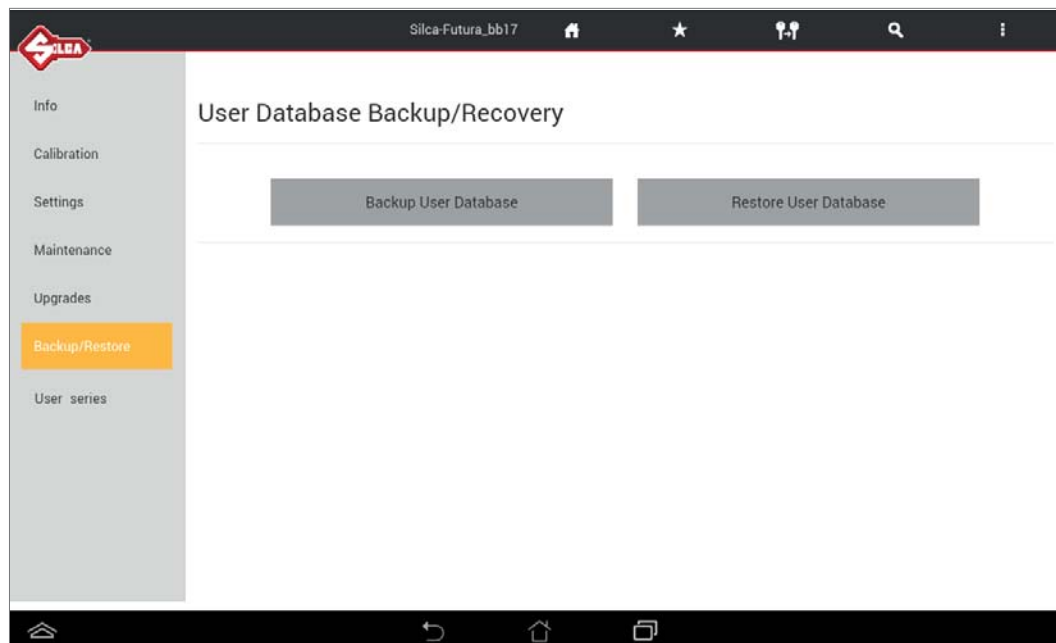
Wait for the update to finish.

Do the same for upgrading the **SilcaKeyboard.apk**.

8 BACKUP / RECOVERY

This function permits to create and save a backup (backup User database) file in a USB key that can be connected the machine's USB port (Fig. 7, page 55).

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

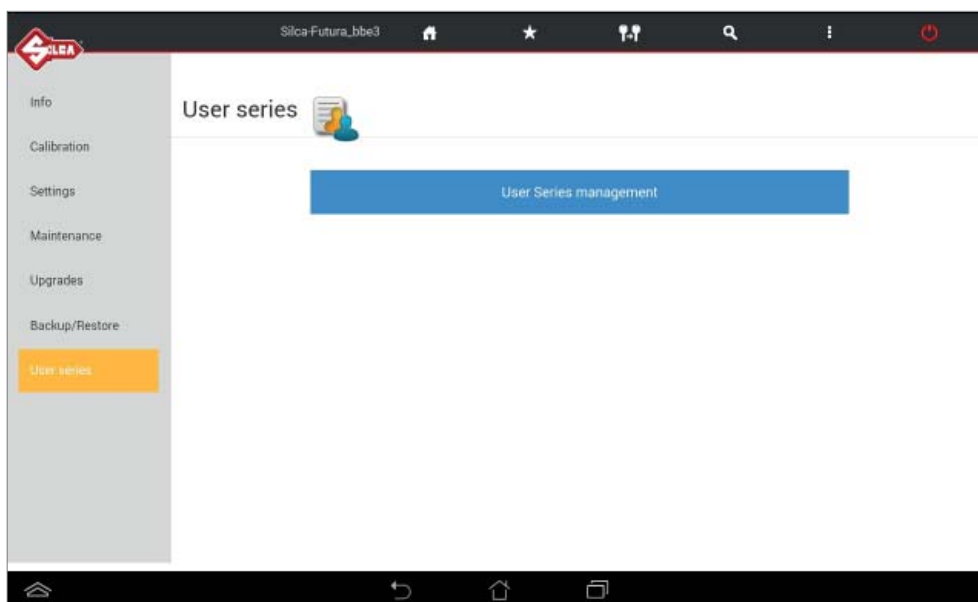


9 USER SERIES

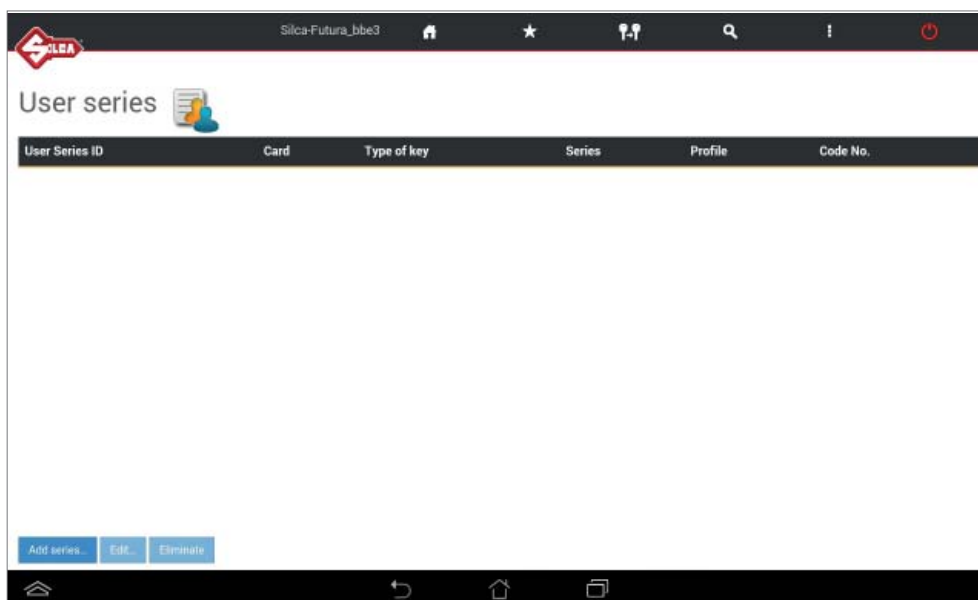
Function accessible from “Options => User Series”.

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 PRO USB port (Fig. 7, page 55).



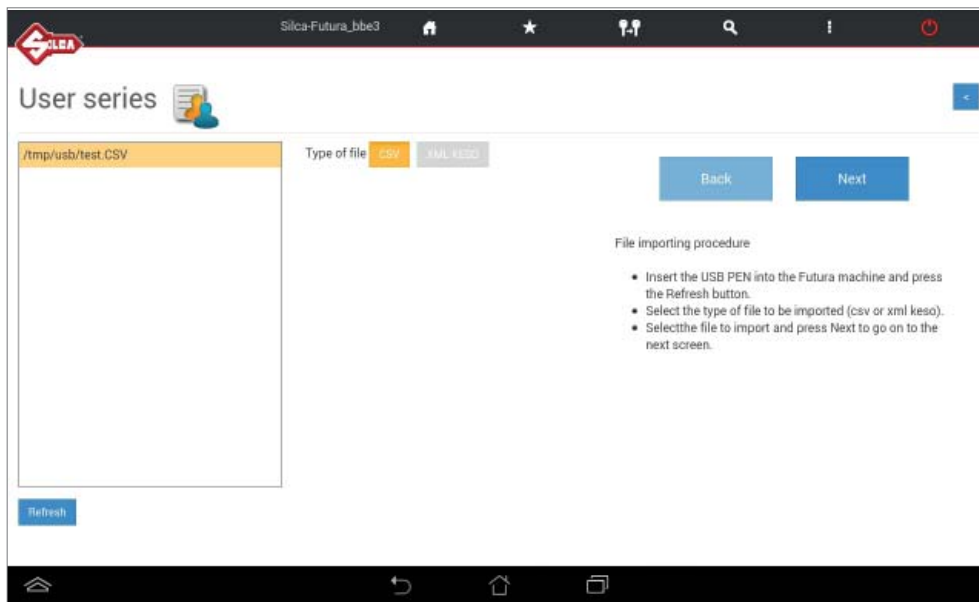
To create the user series, tap “User Series Management”.



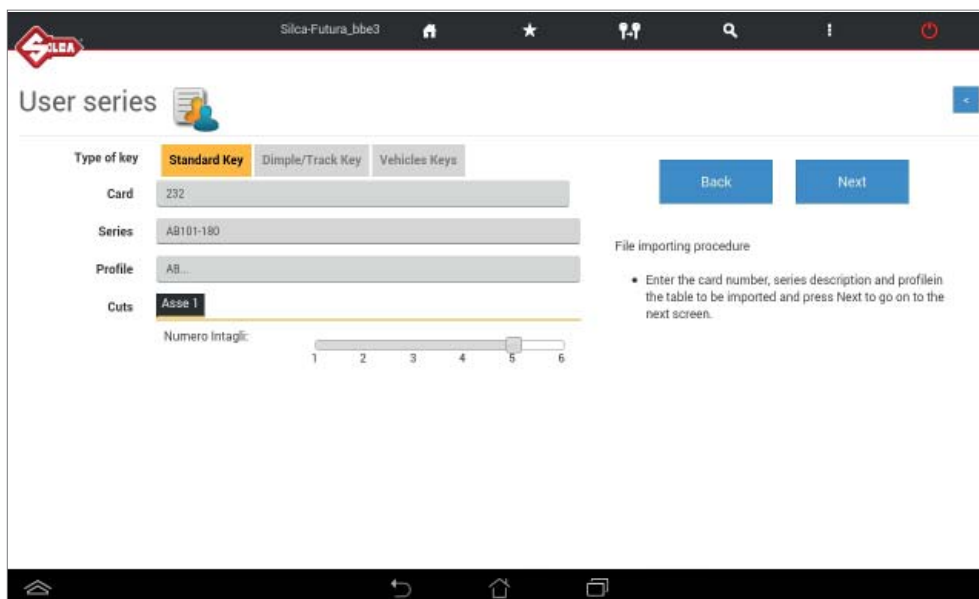
Tap “Add Series” to import the new file.

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.



- 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.



User series

Makes Available

SH-B
SHOWA
SIAM
SICMA
SIEBAU
SIEM
SILCA
SIMECA
SIMPLEX
SINJET
SIPEA
SIS

Makes Selected

SILCA

Back Next

File importing procedure

- Select one or more makes from those available.
- and use the arrows to move them into the right-hand column. Press Next to go on to the next screen.

User series

Applications Available

PIAGGIO VESPA
PUCH
RIZZATO (CYCLES)
SWM
TESTI
YAMAHA (CYCLES)
CYLINDERS (VARIOUS MAKES)
LOCKS (VARIOUS MAKES)
CISA PADLOCKS
FILLERCAP (VARIOUS BRANDS)
FURNITURE / VARIOUS

Applications Selected

LOCKS (VARIOUS MAKES)

Back Next

File importing procedure

- Select one or more applications from those available.
- Use the arrows to move the Applications into the right-hand column and then press Next to go on to the next screen.

User series

Blanks Available

CS206
CS206
CS206BZ

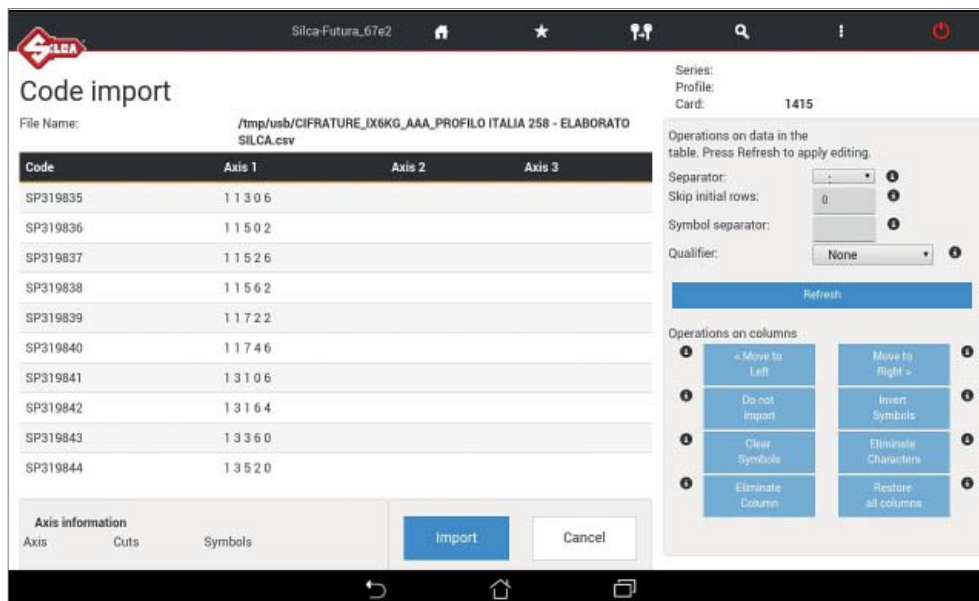
Blanks Selected

CS206

Back Next

File importing procedure

- Enter the name of the blank (if applicable) to make a search.
- Use the arrows to move the blanks into the right-hand column and then press Next to go on to the next screen.



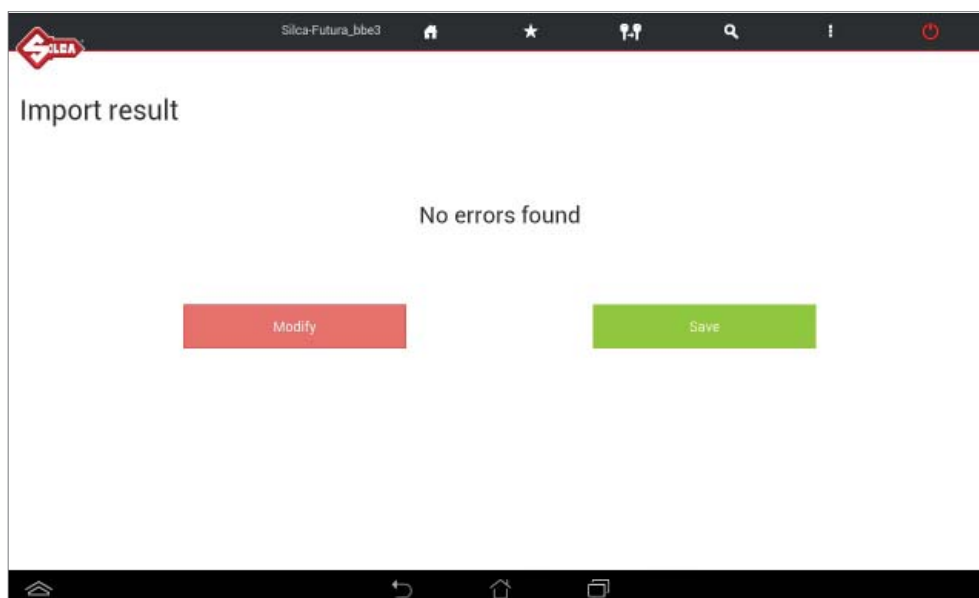
- Tap "Import" to import the file directly without editing.

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.

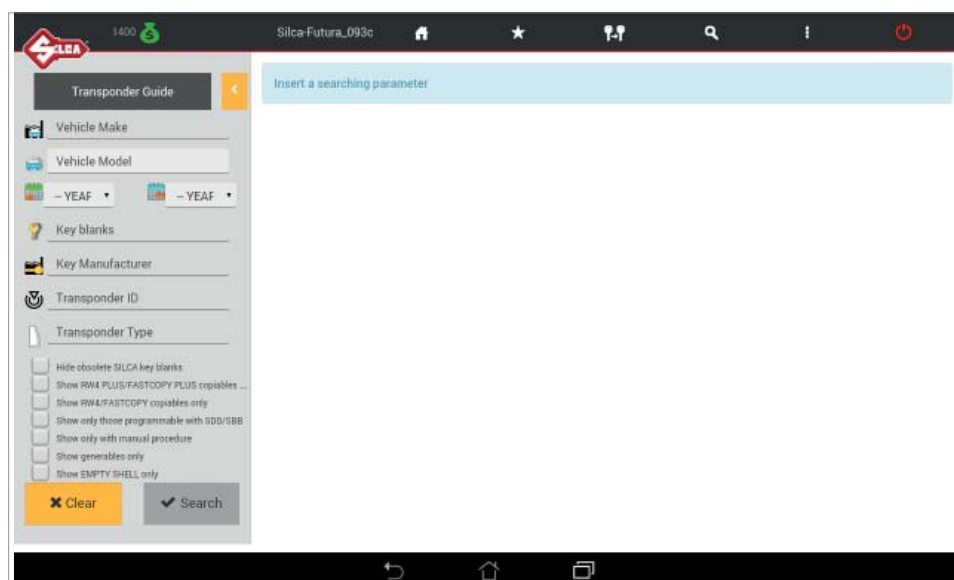
10 TRANSPONDER GUIDE




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:



IMPORTANT:

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

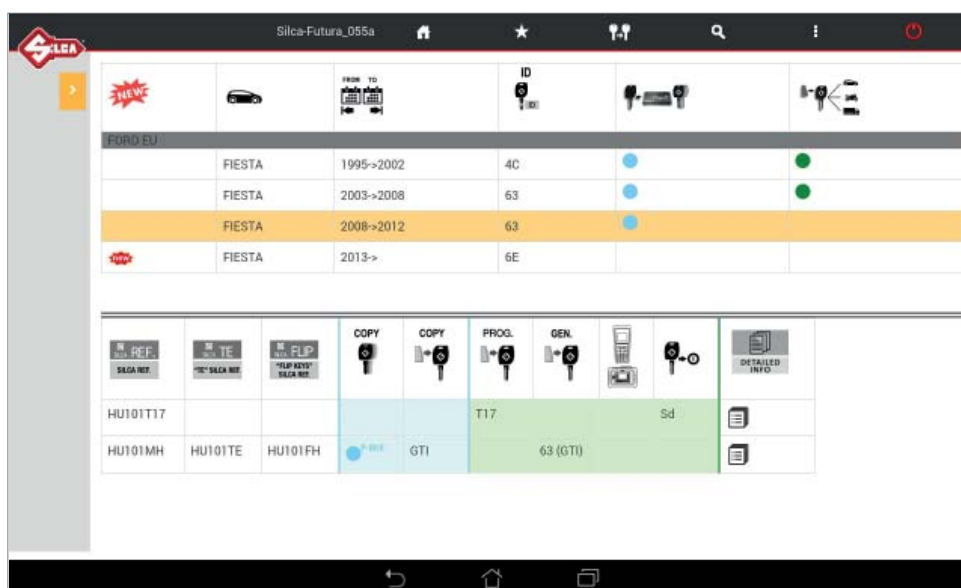


Fig. 24

Select 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 complete with transponder or ORIGINAL



column indicating a Silca key blank without transponder



column indicating a Silca FLIP key blank without transponder

Example Fig. 24

In this case the user may:

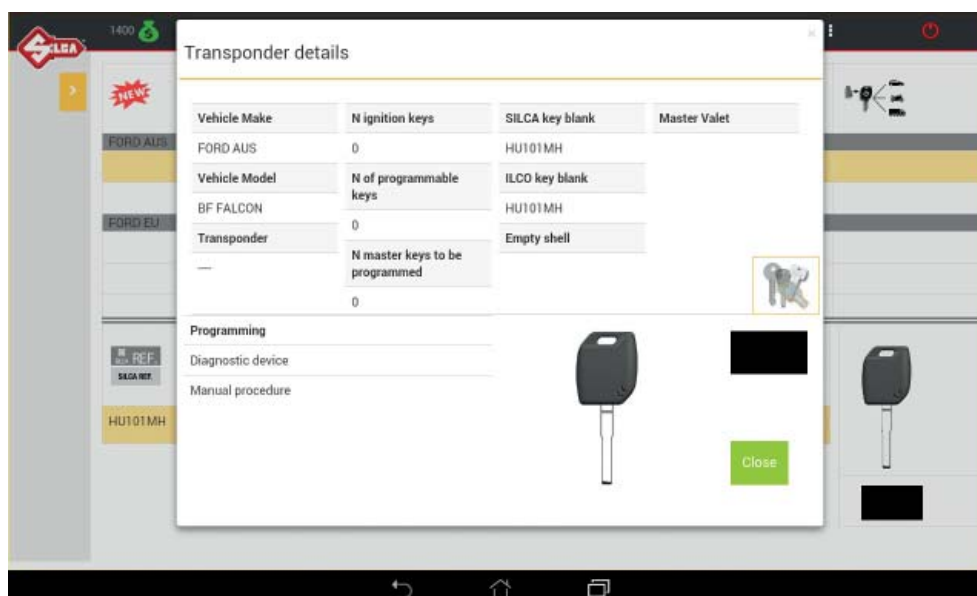
Blue section => to clone the original key with RW devices


- 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. 24).



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

11 “TOKEN” AND “UTP” (UNLIMITED TOKEN PLAN)

Token machines are a new “pay per use” concept applied to 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 key-cutting 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.7.1 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:



1100 The **“Tokens”** still available



50 Days of use in the case of **“UTPs”**

To view information about the tokens available/used, tap



To view the days still available in the case of “UTPs”, tap



Token summary

Token state	
Token available	1500
Token consumed	0
Package UTP (Unlimited Token Paid)	
Duration [months]	1
Expiration [days]	28

Close

- 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.

At 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
X									X											

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 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").

11.1 TOKEN APPLICATION ON THE MACHINE

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

- **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.

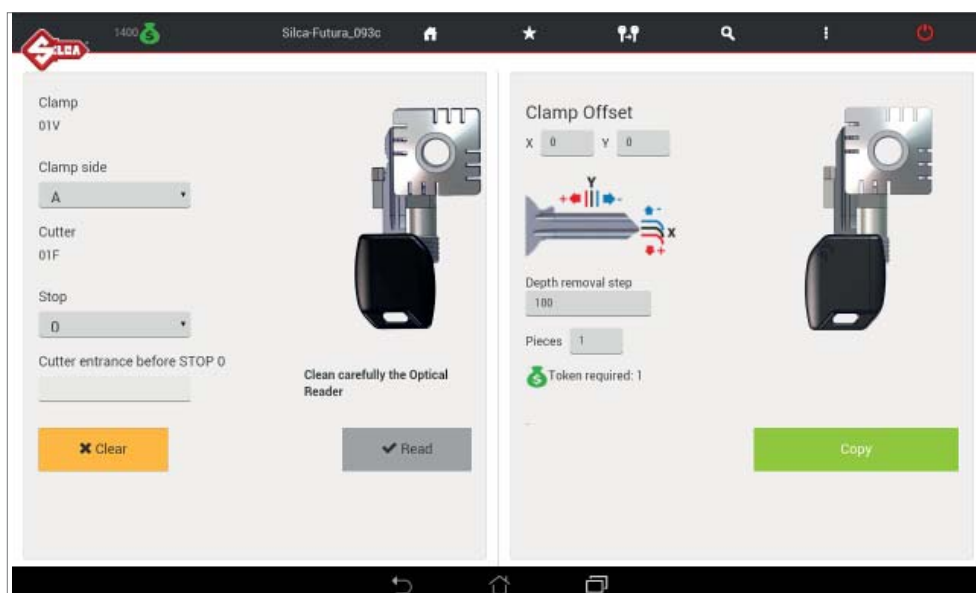
- **FUTURA PRO machine with ACCESS POINT connection:**

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.

11.2 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.

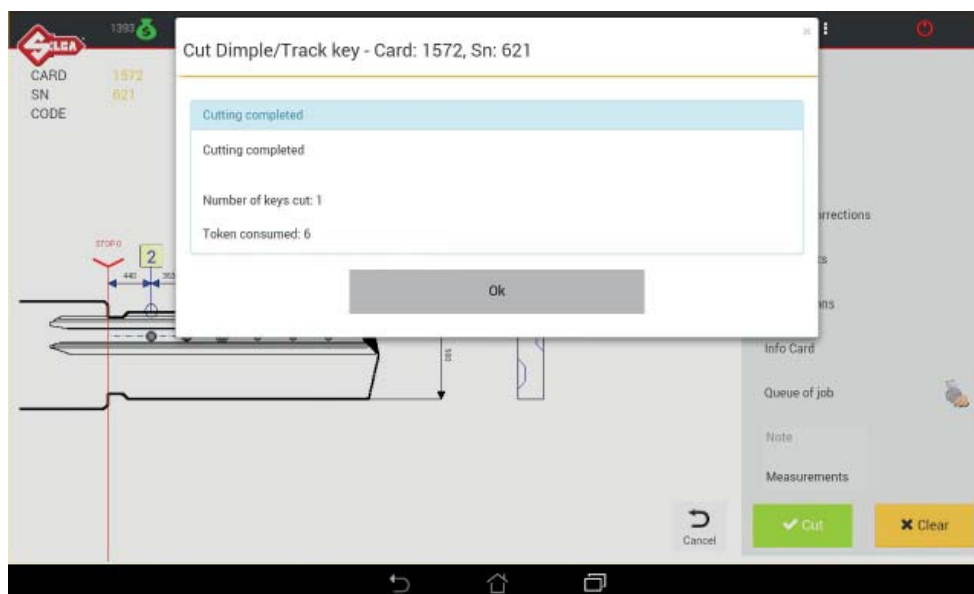
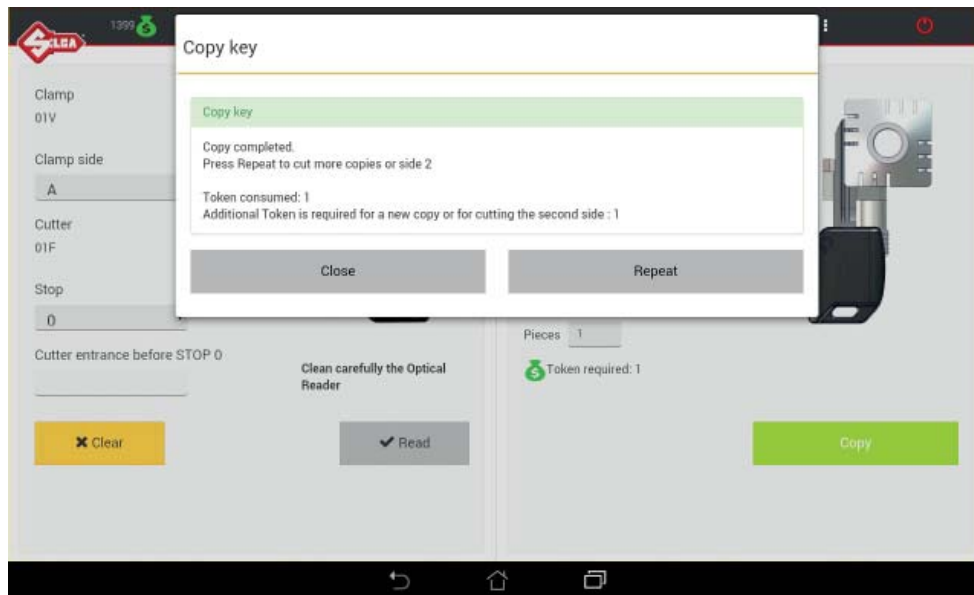
- **COPY BY ORIGINAL**



- **COPYING BY CARD**

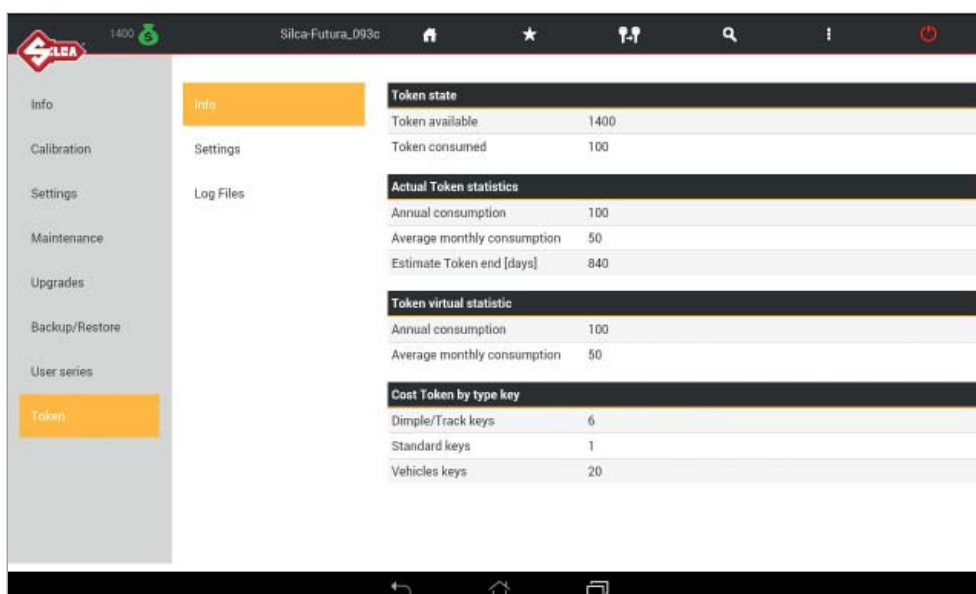


At the end of the “Copy by data card” or “Copy from original” flow a window appears on your Tablet showing the cost of the operation (tokens consumed). This information is not visible if a UTP package is used.



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.



Token state	
Token available	1400
Token consumed	100

Actual Token statistics	
Annual consumption	100
Average monthly consumption	50
Estimate Token end [days]	840

Token virtual statistic	
Annual consumption	100
Average monthly consumption	50

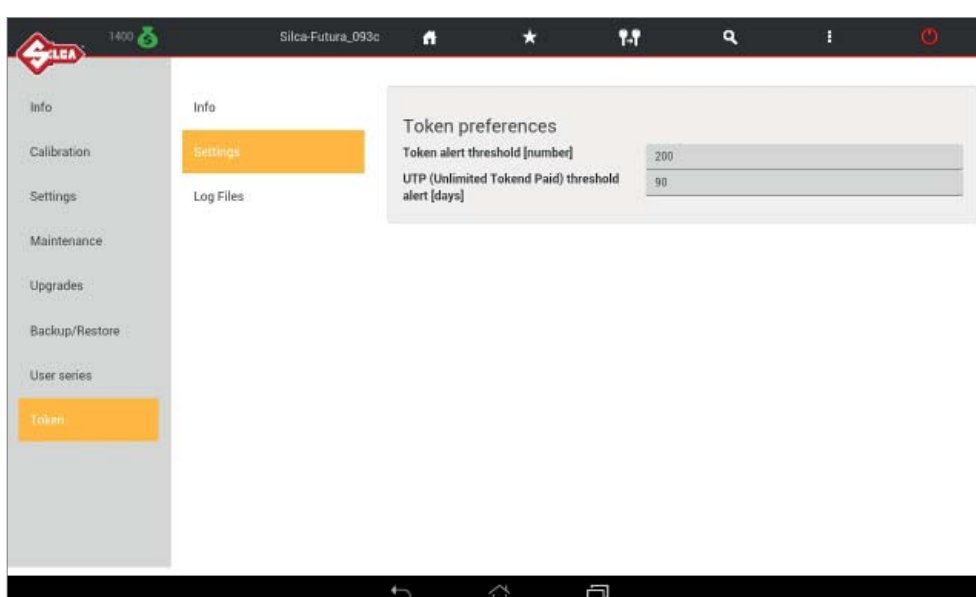
Cost Token by type key	
Dimple/Track keys	6
Standard keys	1
Vehicles keys	20

“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.

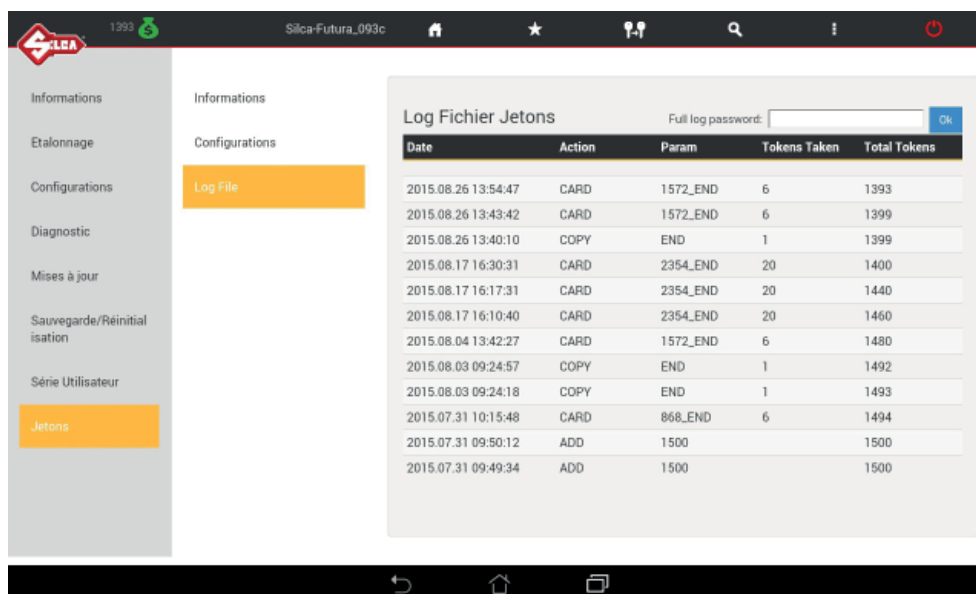
Tap “**Settings**” to edit the following values:

- **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.



Token preferences	
Token alert threshold [number]	200
UTP (Unlimited Token Paid) threshold alert [days]	90



Tap “**Log File**” to view the “last” operations carried out by the FUTURAPRO 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.



12 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.6.3.4.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

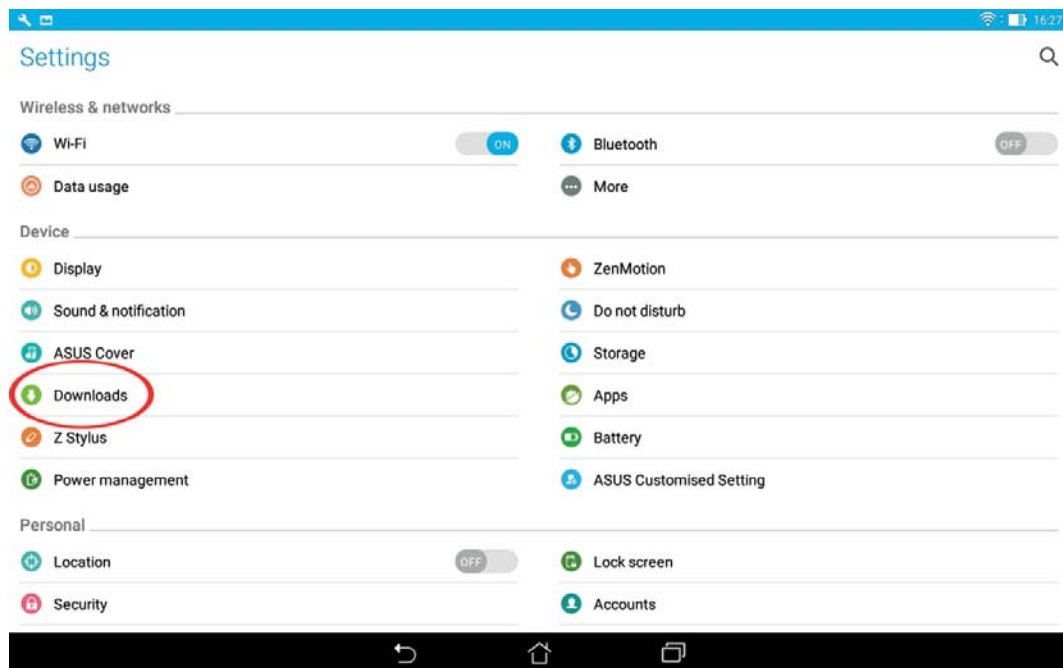
192.168.0.1/SilcaKeyboard.apk to download the keyboard



- 3) Tap the center bottom “Open all Apps screen” icon 

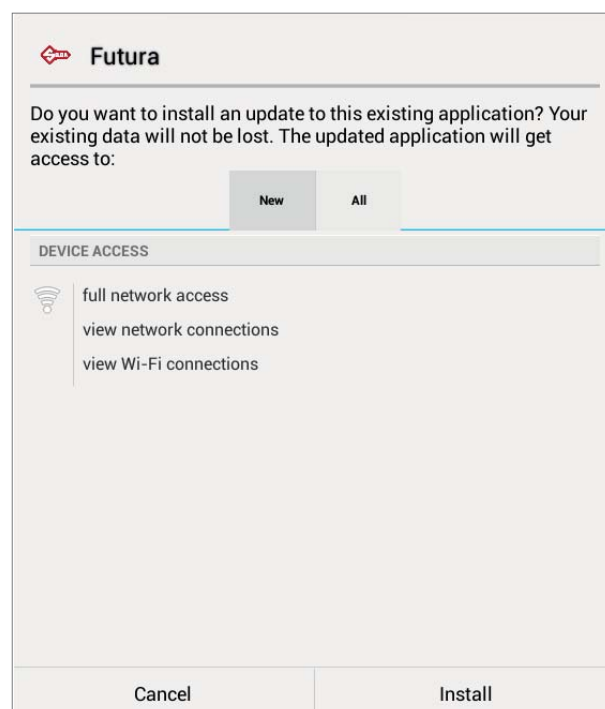


- 4) Select “Downloads” from the tablet “Settings” menu .



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

Download			
	SilcaKeyboard.apk	192.168.0.1	1,12 MB 12:03
	Silca.apk	192.168.0.1	1,27 MB 11:49



After you install the new FUTURA PRO application you should move the Silca FUTURA application icon to the main screen:



- 1) Tap the center bottom “Open all APPS screen” icon 



- 2) Search for “Futura” icon 

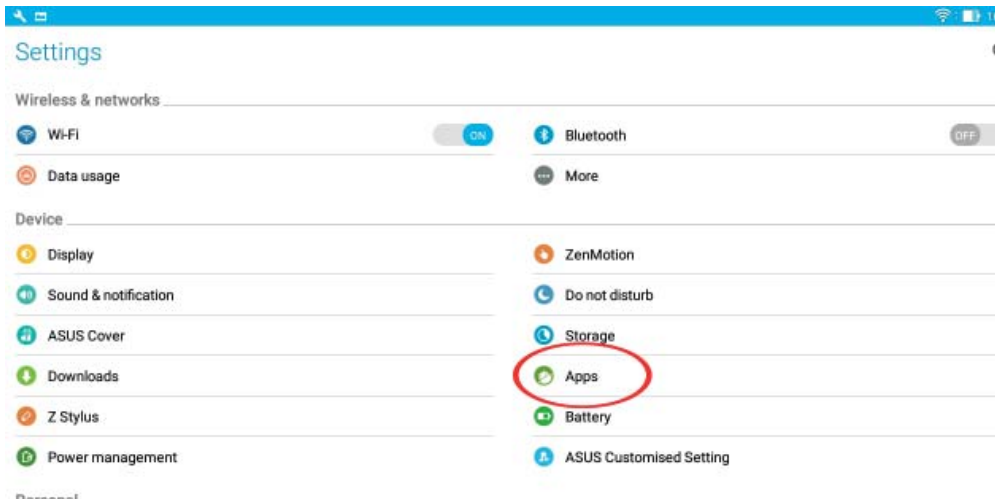
- 3) Tap and hold (keep pressing) the Silca Futura application icon and drag it to the main screen.



13 FUTURA PRO PROCEDURE TO CLEAR CACHE

Clearing the FUTURA PRO APP Cache is recommended to improve the performance of the FUTURA PRO APP.

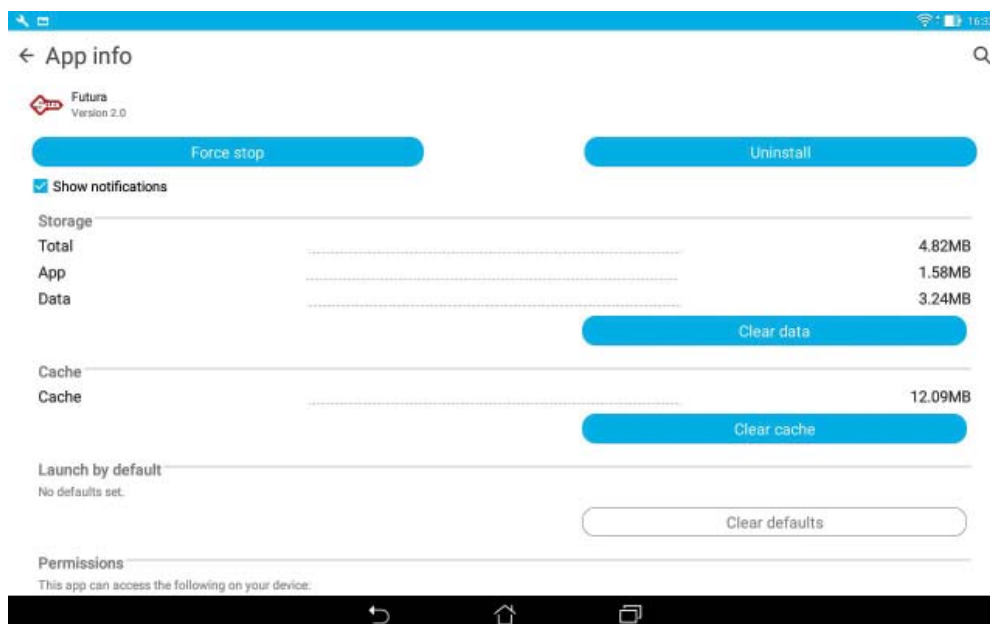
1) Entering the Android Tablet Settings.



2) Tap on “APPS” and then “FUTURA”.



3) Tap on “Clear Cache”.



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On request Silca will provide a DVD with the GPL code included in the FUTURA PRO product.
To make the request contact SILCA at the following address:

SILCA S.p.A.

Via Podgora 20
31020 Vittorio veneto
Italy

Email: service@silca.it

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SILCA S.p.A.
Via Podgora, 20 (Z.I.)
31029 VITTORIO VENETO (TV)
Phone: +39 0438 9136
Fax +39 0438 913800
E-mail: silca@silca.it
www.silca.biz

United Kingdom

SILCA Ltd.
Unit 6 Lloyds Court - Manor Royal
CRAWLEY RH10 9QU
Phone: +44 1293 531134
Fax +44 1293 531108
E-mail: sales@silcaltd.co.uk
www.silcaltd.co.uk

France

SILCA S.A.S.
12, Rue de Rouen
Z.I. de Limay - Porcheville
78440 PORCHEVILLE
Phone: +33 1 30983500
Fax +33 1 30983501
E-mail: info@silca.fr
www.silca.fr

Germany

SILCA GmbH
Siemensstrasse, 33
42551 VELBERT
Phone: +49 2051 2710
Fax +49 2051 271172
E-mail: info@silca.de
www.silca.de

Spain

SILCA KEY SYSTEMS S.A.
C/Santander 73A
08020 BARCELONA
Phone: +34 93 4981400
Fax +34 93 2788004
E-mail: silca@silca.es
www.silca.es

Netherlands

H. CILLEKENS B.V.
Metaalweg, 4
6045 JB ROERMOND
Phone: +31 475 325147
Fax +31 475 323640
E-mail: info@hcillekens.nl
www.hcillekens.nl

India

MINDA SILCA Engineering Ltd.
Plot no.37, Toy City,
GREATER NOIDA (U.P.) - 201308
Phone: +91 9871397630/31
Fax: +91 120 2351301
E-mail: info@mindasilca.in
www.mindasilca.in

North America

U.S.A., Canada, Caribbean Islands

KABA Ilco Corp.
400 Jeffreys Road
Rocky Mount, NC 27804 USA
Phone: 1 800 334 1381 / 1 252 446 3321
Fax: 1 252 446 4702
E-mail: info@irm.kaba.com
www.ilco.us

Central America

**Mexico, Guatemala, Belize, El Salvador,
Honduras, Nicaragua, Costa Rica, Panama**

Corporación Cerraiera Alba S.A. de C.V.
Kaba Mexico
Prolongación avenida independencia 14, Bodega 5,
Col.Los reyes, Tultitlán, Estado de México C.P. 54915
Phone: 01 55 5366 7200
E-mail: informacion-mexico@kaba.com
www.kabamexico.com

Brazil

KABA DO BRASIL Ltda
Rua Guilherme Asbahr Neto, 510
São Paulo, SP 04646-001
Phone: +55 11 55454520 / 29
E-mail: silca@kabadobrasil.com.br
www.silcachaves.com.br

Colombia

SILCA SOUTH AMERICA S.A.
Km 1.5 Via Briceño-Zipaquira
Parque Ind. Trafalgar Bodega 3
Tocancipa-Cundinamarca
Phone: +57 1 7366480
Fax +57 1 7366490
www.flexonsilca.co