



SOFTWARE OPERATING GUIDE

FUTURA FUTURA **PRO**



vers. 8

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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 UNLIMITED**

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. The machine comes with a series of accessories and utensils dedicated to automotive and engraving. Unlimited software updates.

- **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 ENGRAVING (Ch.7)**

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.8.3.4).

FUTURA PRO



1- Search

Menu used to select a category of Series Searches.

2 - Copy key

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

3 - MYKEYS Safe

After activating MYKEYS Safe, the menu can be used to store the key digitally and copy it through an APP (without actually having the key).

4 - Queue of jobs

Menu used to run the job queue previously created by the search menu or optional OEM Client menu (optional - Ch.6.3).

5 - Options

Menu used to set up the machine.

6 - Machine name

The name of the machine model being used is shown.

7 - Upgrades

Menu used to update machine software.

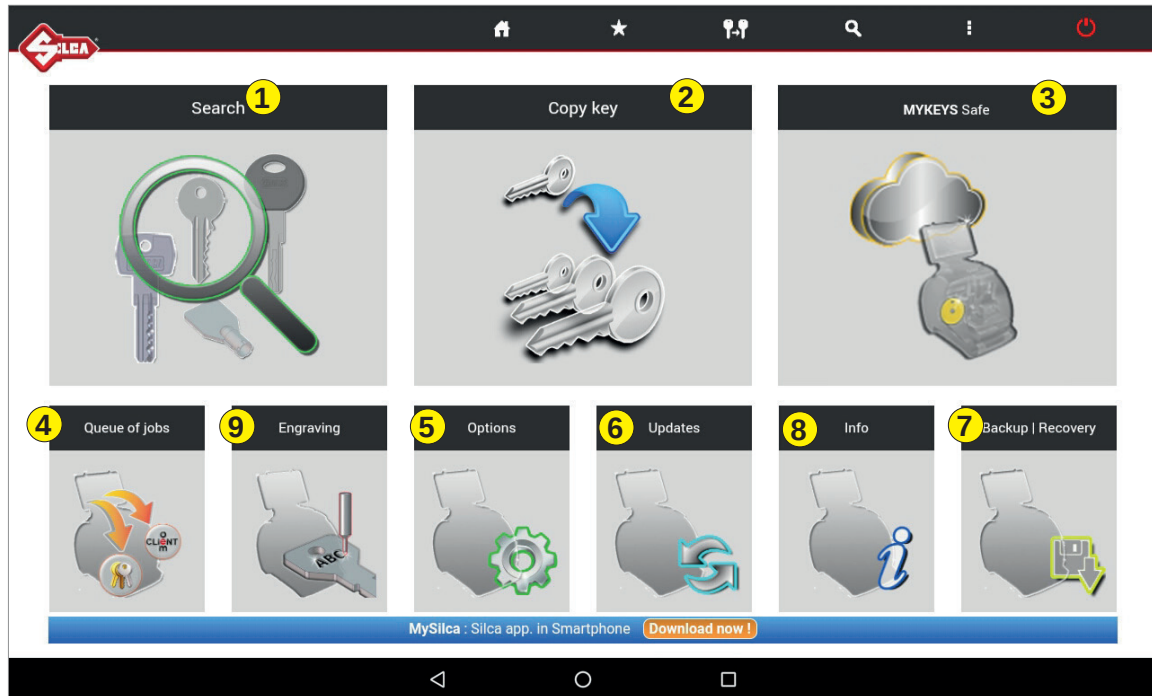
8 - Info

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.

6 - Upgrades

Menu used to update machine software.

2 - Copy key

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

7 - Backup | Recovery

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

3 - MYKEYS Safe

After activating MYKEYS Safe, the menu can be used to store the key digitally and copy it through an APP (without actually having the key).

8 - Info

Menu showing machine details.

4 - Queue of jobs

Menu used to run the job queue previously created by the search menu or optional OEM Client menu (optional - Ch.6.3).

9 - Engraving

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

5 - Options

Menu used to set up the machine.

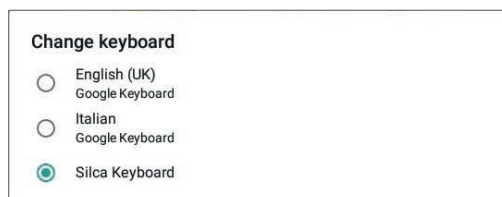
	Machine ID: shows the name of the FUTURA PRO machine.
	Initial menu: tap the symbol to go back to the initial menu.
	Favourites: tap the symbol to view the data cards/series saved in the favorites menu (see ch.4 FAVORITE'S)
	Copy by Original: tap the symbol for direct access to the "Copy by Original" menu.
	Search menu: tap the symbol for direct access to the "Search" menu.
	Information: tap the symbol to view information about the FUTURA PRO machine
	Turn off machine: tap the symbol to turn off the FUTURA PRO machine without affecting the software; wait until the green light goes out and then turn off the machine with the ON/Emergency push button.

• CHOICE OF KEYBOARD

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

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

Google Keyboard: standard Android Tablet keyboard.

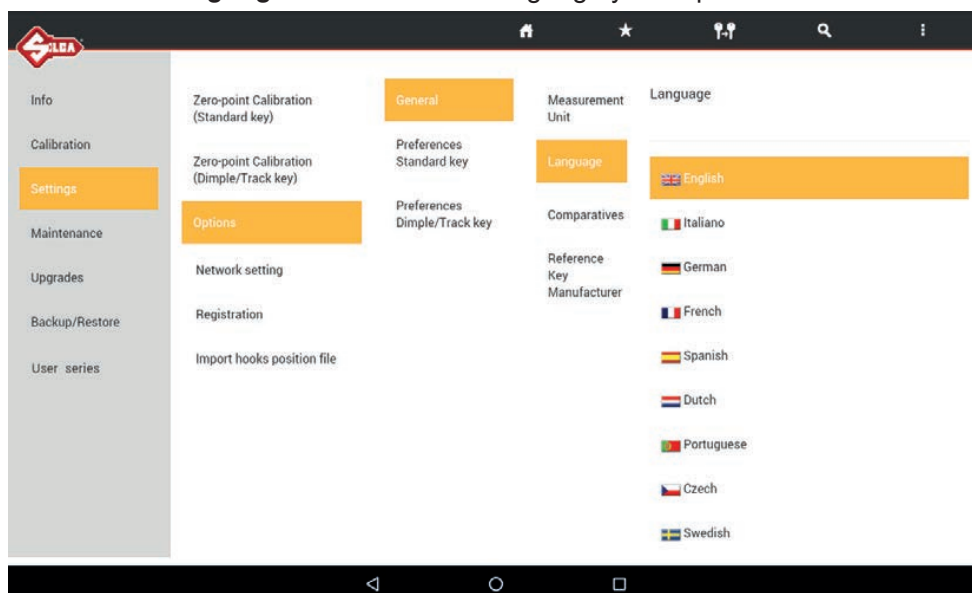


If you have chosen the Silca keyboard you can go back to Android by hitting the key on the Silca keyboard.



• CHANGE PROGRAM LANGUAGE

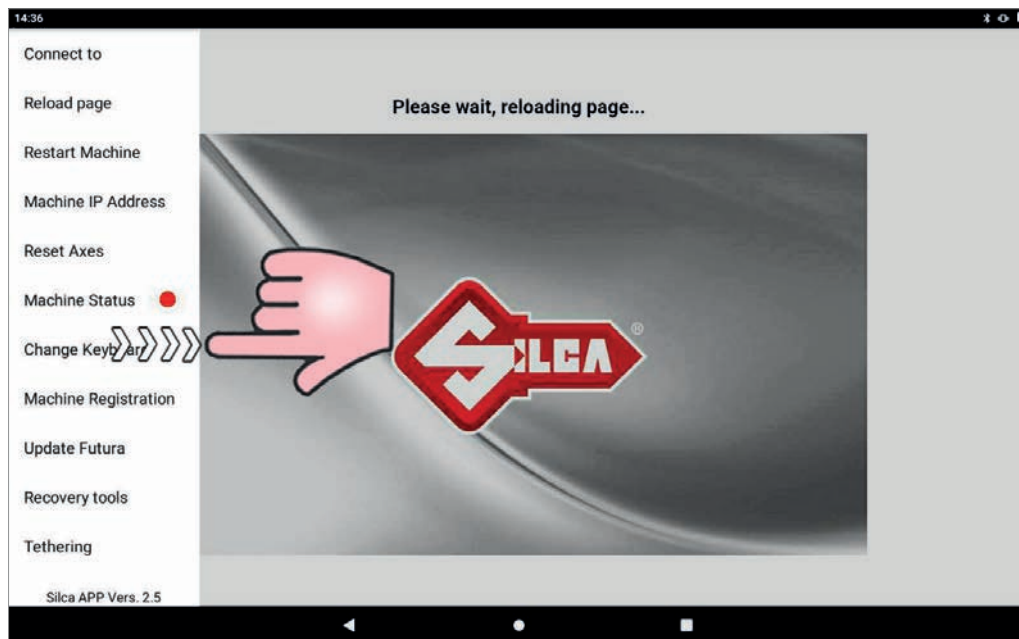
The default program language is English. To change language go to the **Options** menu (Ch.8), select **Settings** -> **Options** -> **Language** and choose the language you require.



• 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 / Futura Pro machine, if there is a Wi-Fi CONNECTION or DIRECT CONNECTION.

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 is 192.168.0.1).

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

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

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

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

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

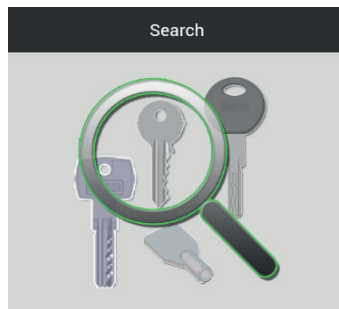
- by tablet connected to a Wi-Fi network with access to the internet (Ch.9.3.1).
- by USB PEN DRIVE and PC with access to the internet (Ch.9.3.2).

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

Tethering: see Chapter 8.3.4.c.

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

2 SEARCHES



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



2.1 STANDARD keys

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

2.2 VEHICLE keys

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

2.3 DIMPLE / TRACK keys

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

2.4 FULL KEY SEARCHING

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

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.



Instacode icon: it's possible to search for a card into Instacode program.

On certain versions the function is already enabled. Where it is not enabled it can be requested as an option.

Key blanks: enter the Silca/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.

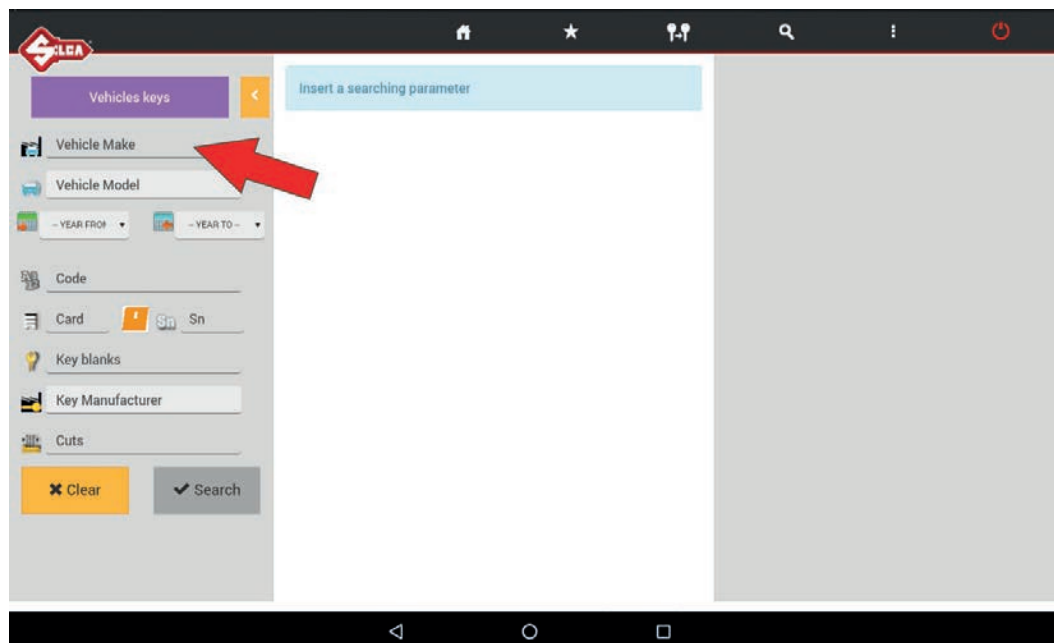
After entering one or more parameters, tap the “**Search**” button to start the search. This operation will show the data relating to the lock systems found and information about the Silca/Ilco key blank, if applicable.

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

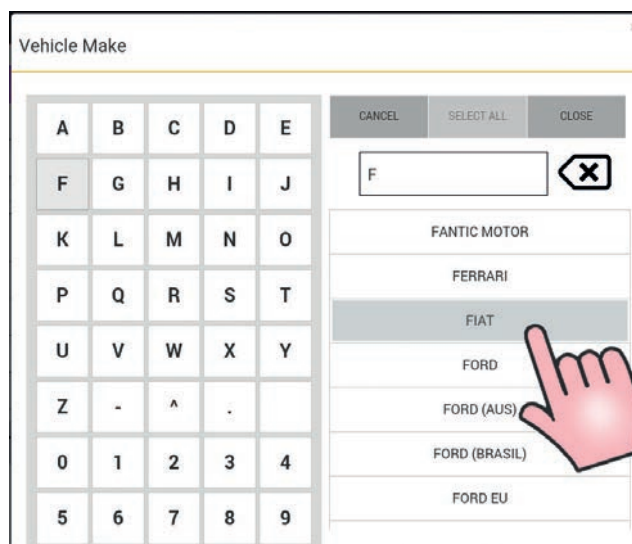
See example of VEHICLE keys search flow:

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

P

- 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.

ALFA

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

CARD

INFORMATION APPLICATIONS CARD

Lock Manufacturer

TRW-SIPEA

Applications

ALFA ROMEO

CITROEN

FIAT

IVECO

Key blanks

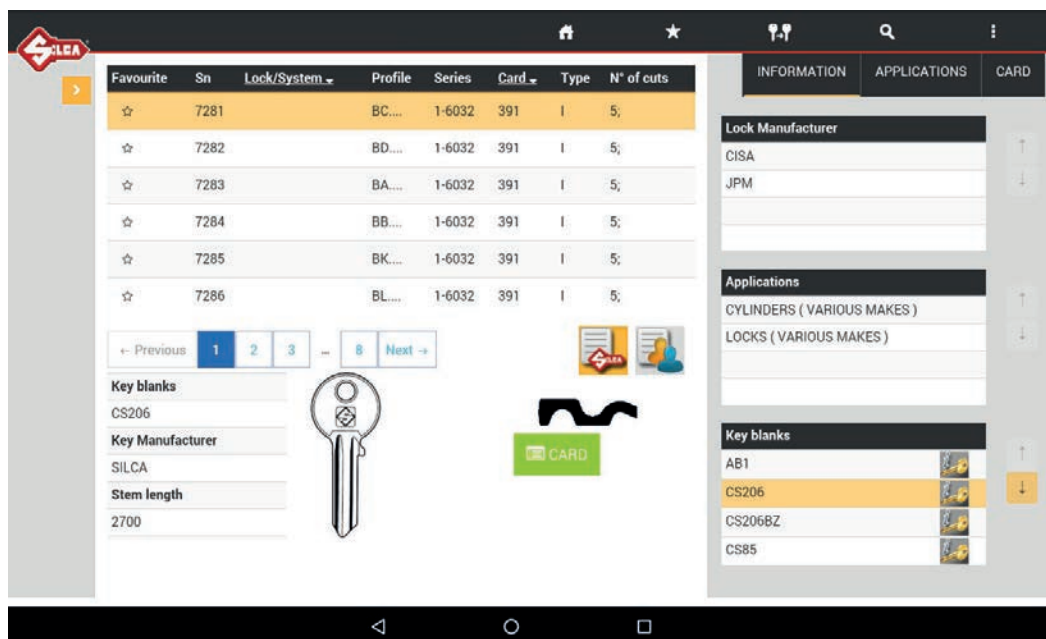
SIP18T

SIP22ARS1

SIP22EH2

SIP22EHP

2.5 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:

← Previous

1

2

3

...

7

Next →
- Select the “Silca” or “User” series:
 - “Silca” is the default icon for viewing Silca series.
 - tap “User” to view the existing user series (Ch.11) 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/Iico 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 / Futura Pro key-cutting machine.

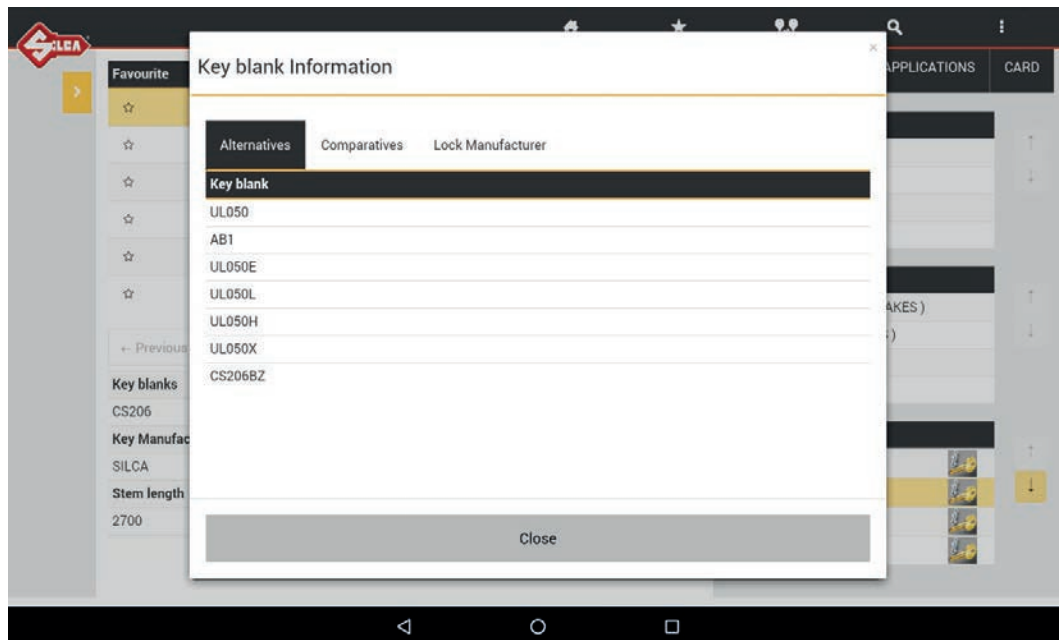
INFORMATION		APPLICATIONS	CARD
Clamp		Part Number	
1	01R	D942570ZR	
Right Jaw		Part Number	
1	02J	D743254ZB	

KEY BLANK

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

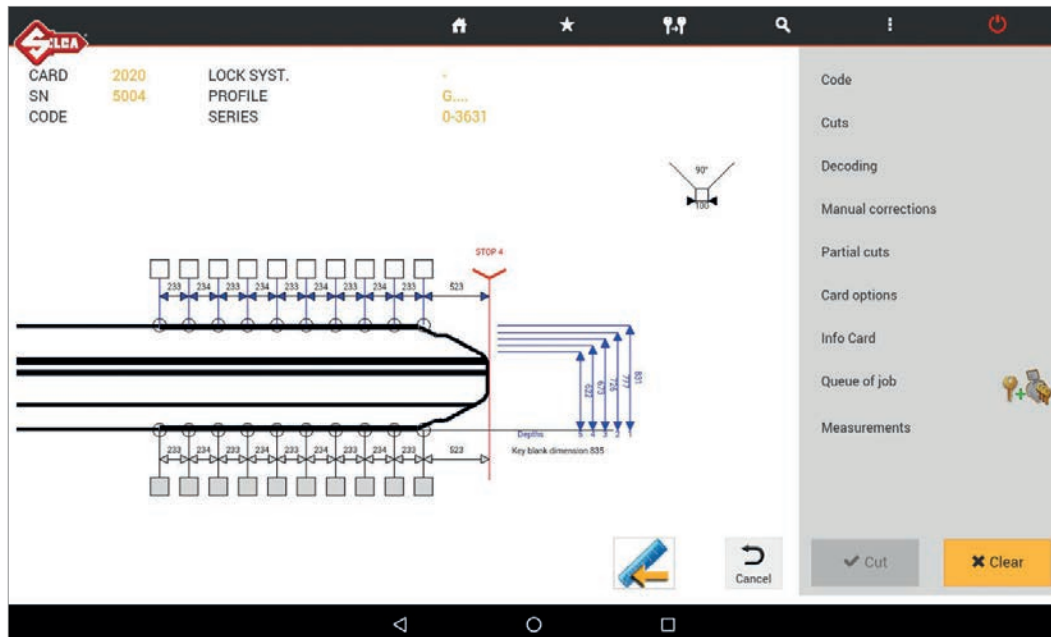


- List of other Silca key blanks that can be used
- List of comparative key blanks
- List of Brand names linked to the Silca key blank.



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

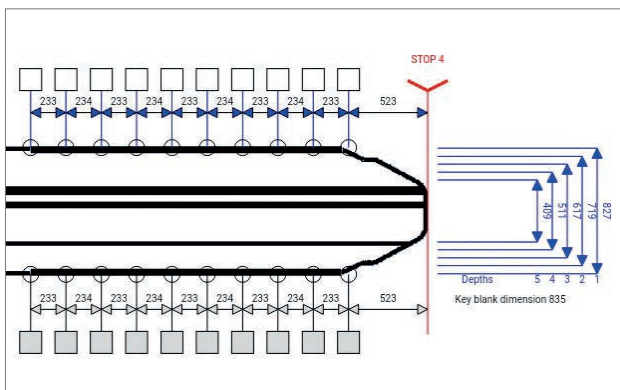


Fig. 1

Depths referring to the “key axis”

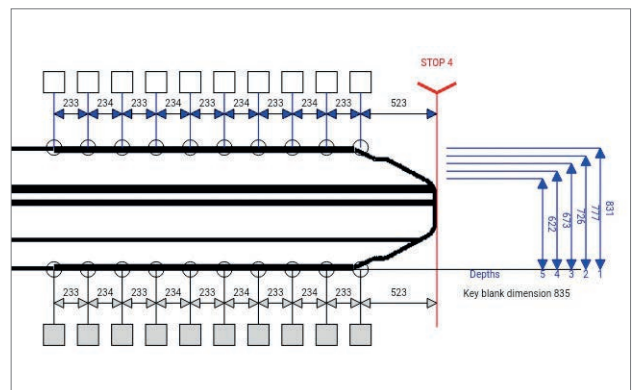


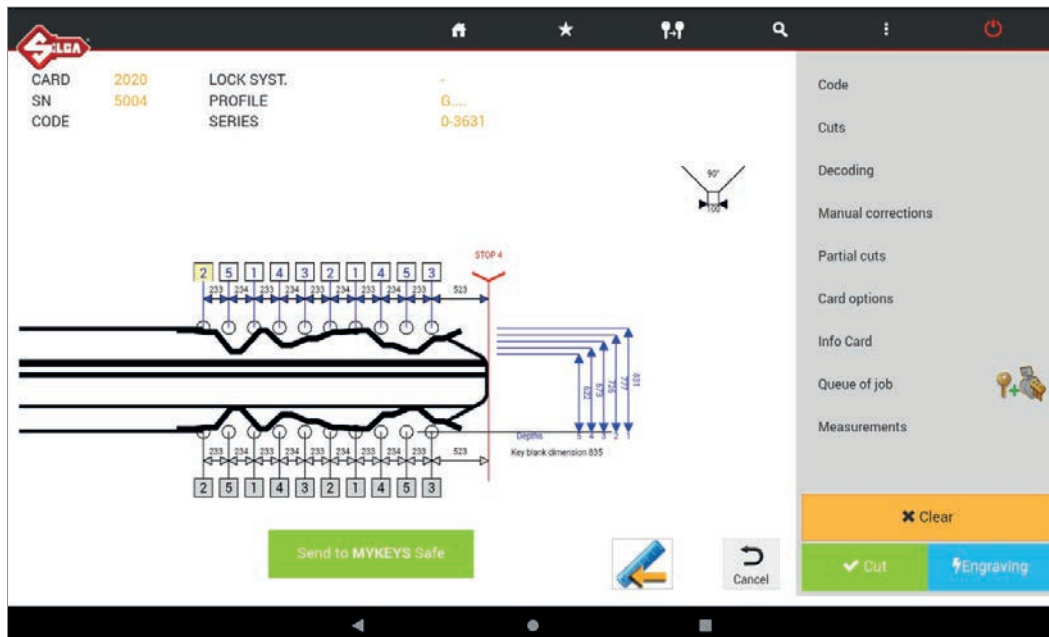
Fig. 2

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.

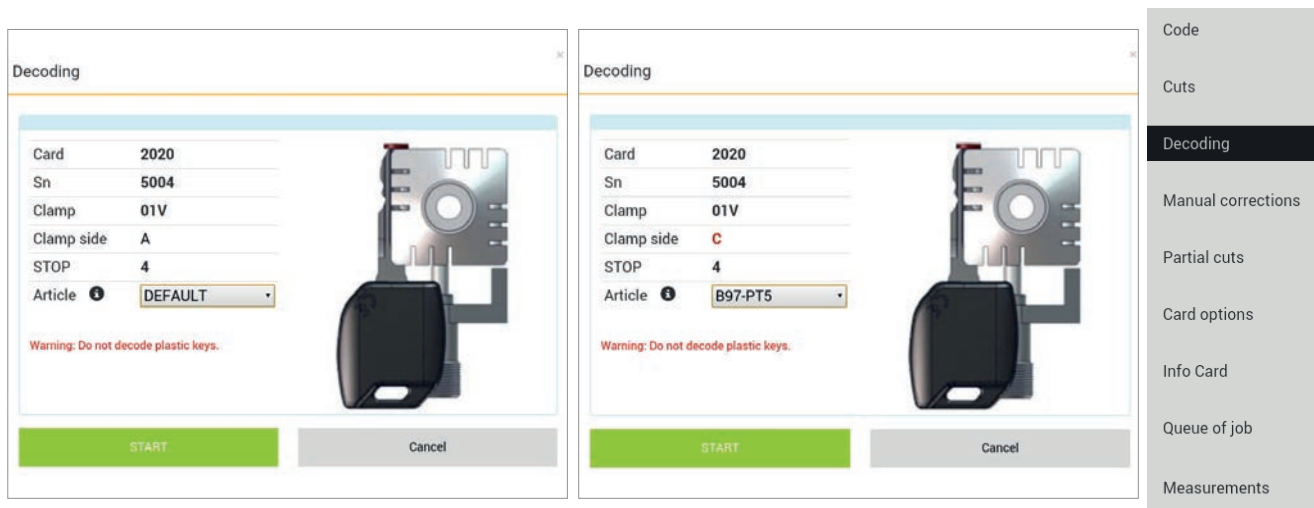
Tap 'Send to MYKEYS Safe'  to store the key in MYKEYS Safe (see Ch.5 MY KEYS SAFE).

- **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.

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.

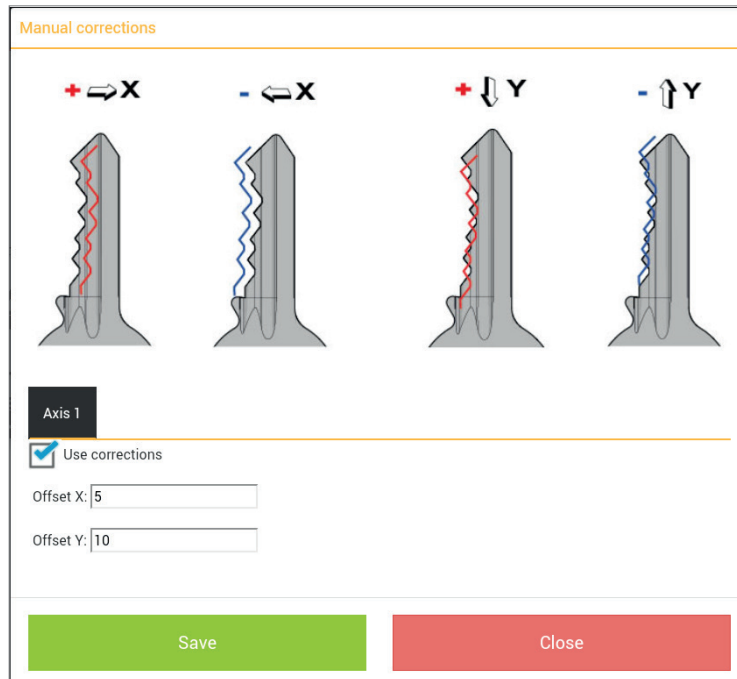
NOTE: when decoding standard keys, you must use the clamp side designated by the software as well as the stop position designated in order to decode the key properly. Use of other clamp positions or stop positions will result in a misread key. Once decoded, should you receive the message “key blank not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



Manual corrections

+X -X +Y -Y

Axis 1

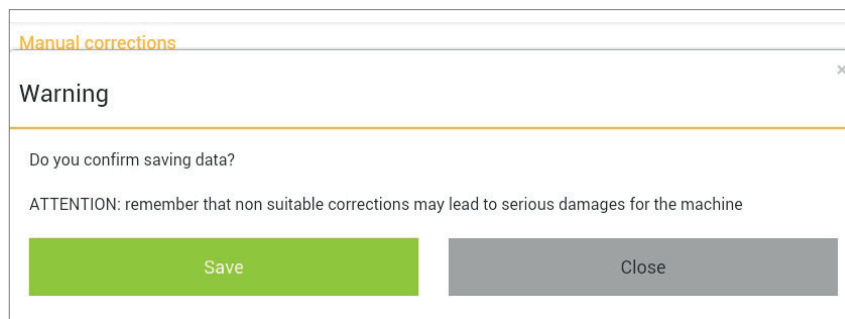
☒ Use corrections

Offset X: 5

Offset Y: 10

Save Close

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



Manual corrections

Warning

Do you confirm saving data?

ATTENTION: remember that non suitable corrections may lead to serious damages for the machine

Save Close

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: 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

Ok Cutting Tree

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

Queue Close

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

• CARD OPTIONS

Card options

Axis 1

Cut Type

Cutter

Clamp

Key blank dimension

Ok

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

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

NOTE: 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

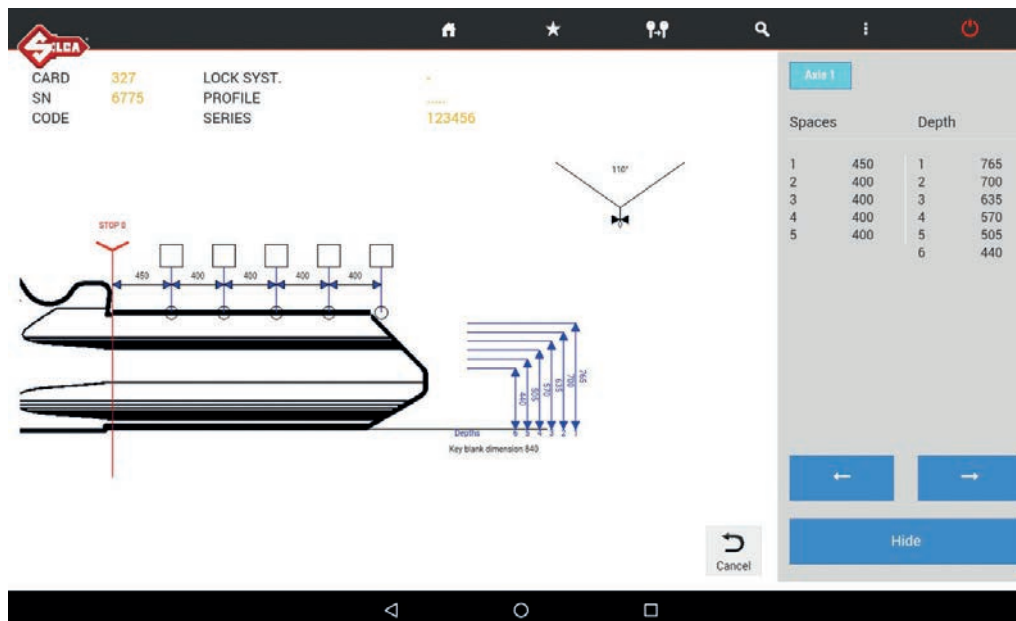
Measurements

Cancel Cut Clear

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

- **[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.

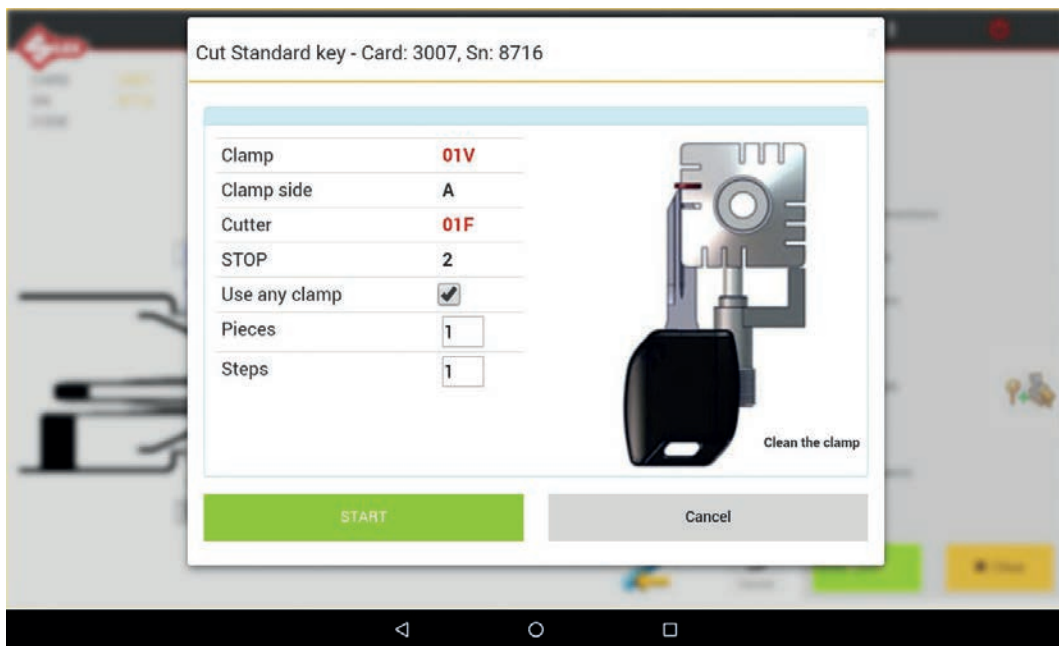
- **MEASUREMENTS:** view information regarding the measurements of SPACES and DEPTH on the card.



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

2.7 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.

2.8 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.

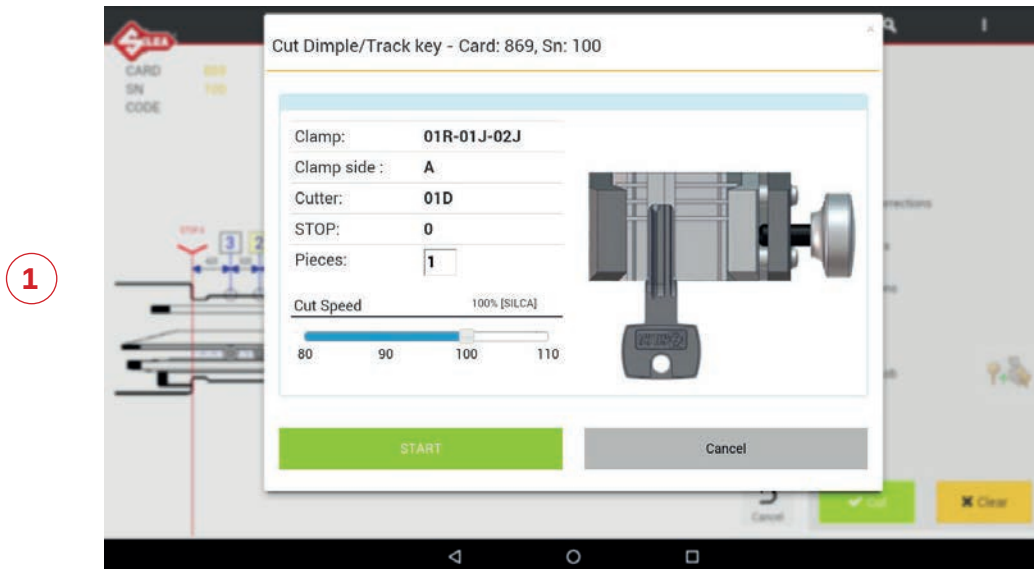
1) For DIMPLE keys

Cutting speed change (relates to carriage advancement).

NOTE: the default value set by Silca is 100.

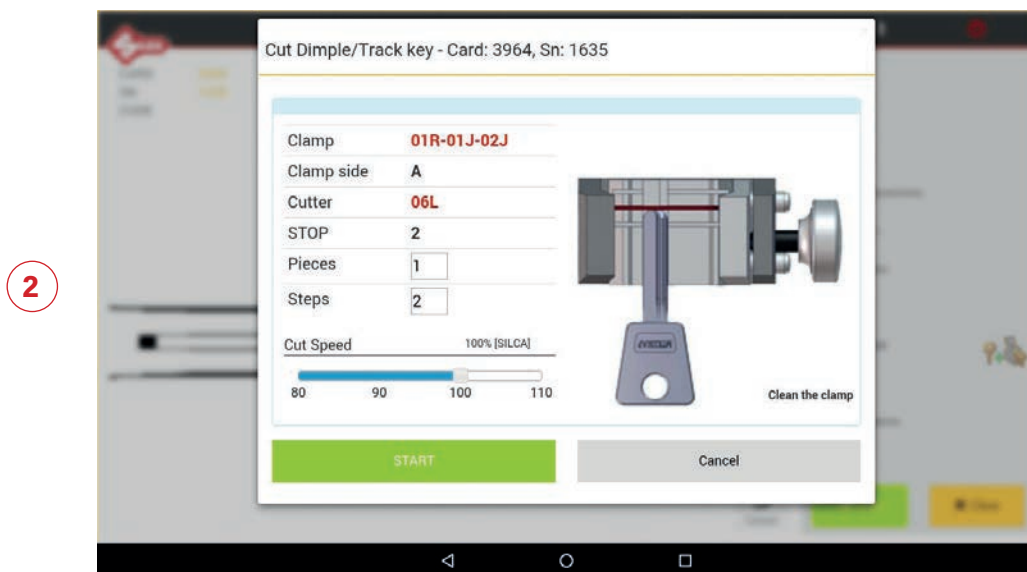
To change the Silca settings, tap the required value:

- 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.

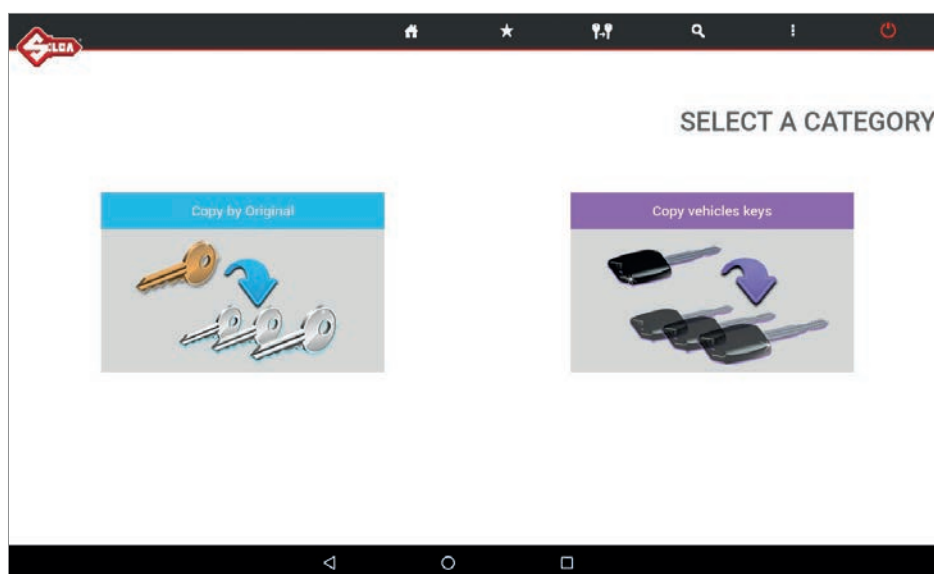
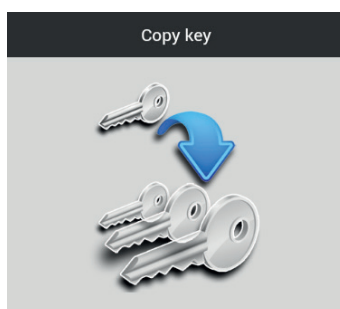


The following can be set:

Pieces: indicates how many keys you wish to cut.

Press START to begin the procedure.

3 COPY KEY



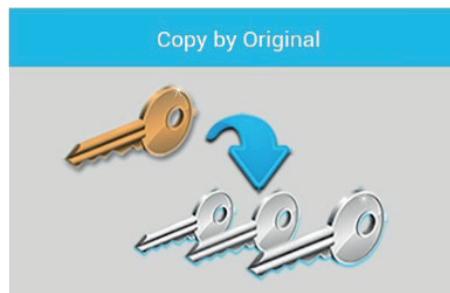
COPY BY ORIGINAL

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

COPY VEHICLES KEYS

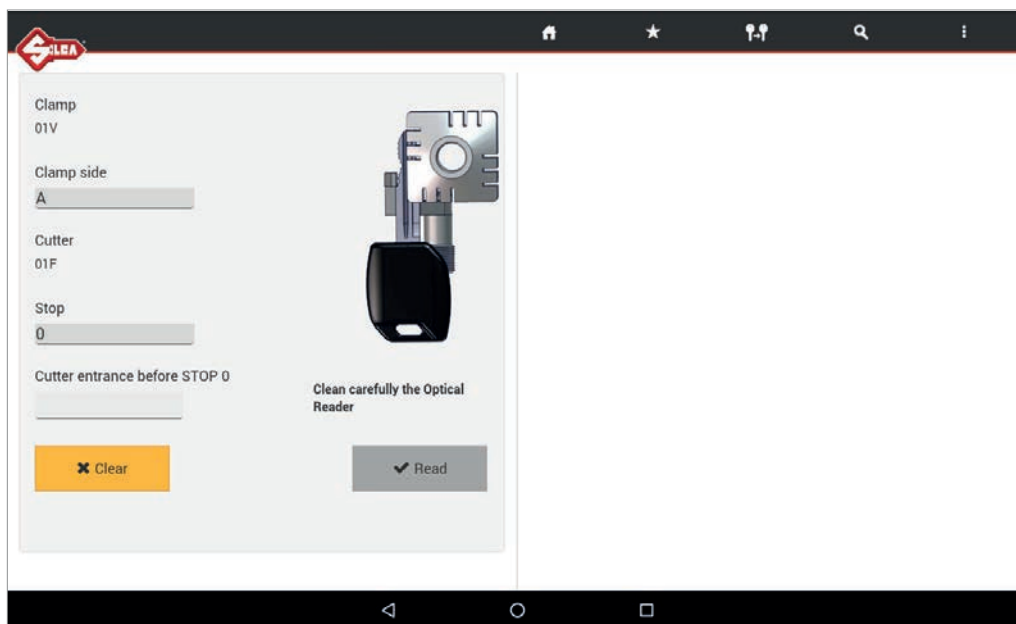
This function is used to copy vehicle keys with standard or laser track cuts, by means of facilitated searching.

3.1 COPY BY ORIGINAL



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

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

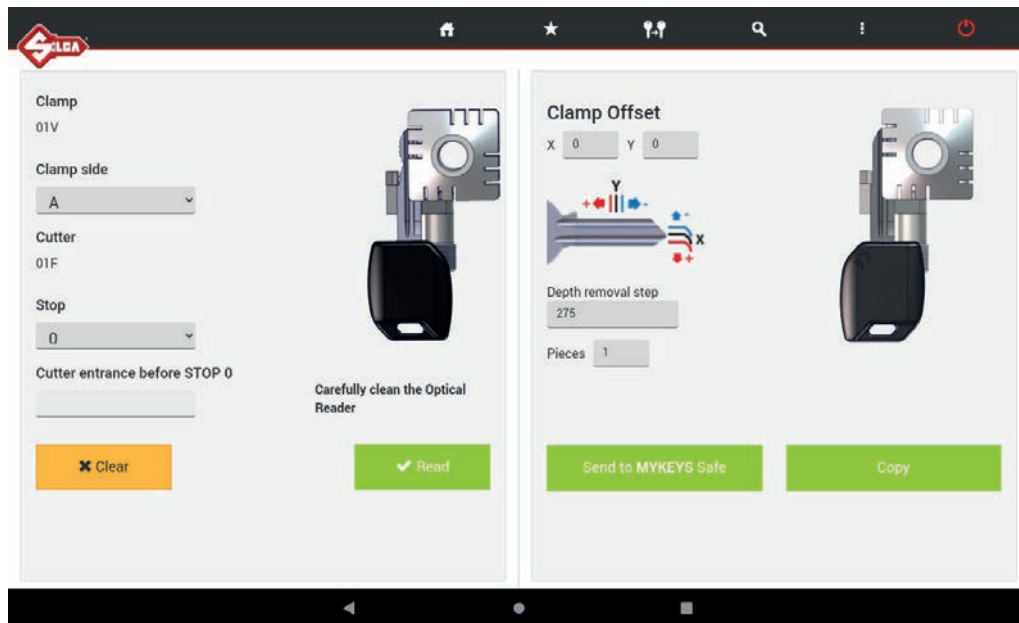


In the Left-hand Part of the screen:

- 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.

Tap 'Send to MYKEYS Safe' to store the key in MYKEYS Safe (Ch.5).

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

3.2 COPY VEHICLES KEYS



Searches are made by MAKE -> MODEL -> YEAR

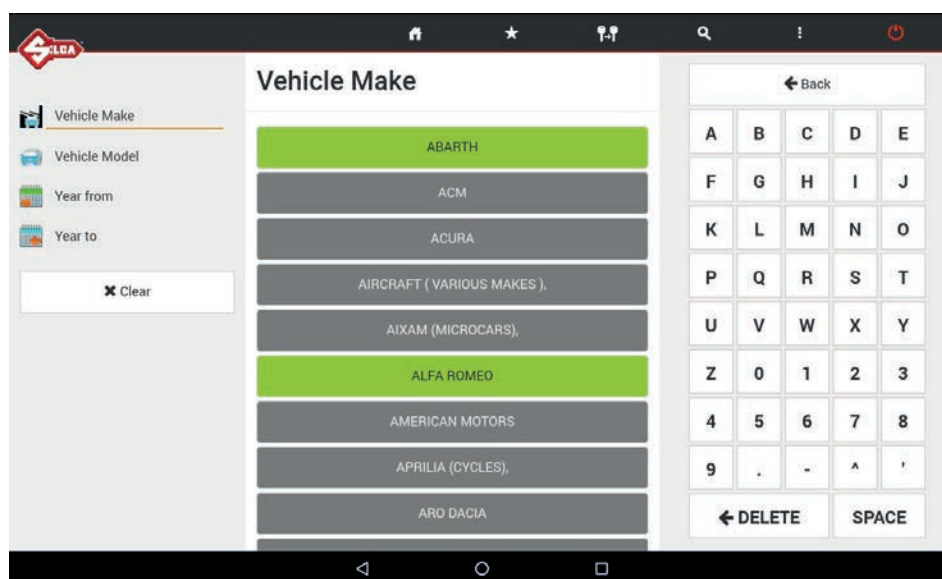
In that order:

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

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

When a field is highlighted in green it means at least one of the keys included has an associated hook position (see Ch.8.3.6).

Example: FIAT -> 500 -> 2007



Vehicle Make

FIAT

FORD

FORD (BRASIL)

FORD AUSTRALIA

FORD EUROPE

FORD SOUTH AMERICA

FORD USA

← Back

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	.	-	^	~

← DELETE SPACE

Vehicle Model

500

← Back

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	.	-	^	~

← DELETE SPACE

Year from - Year to

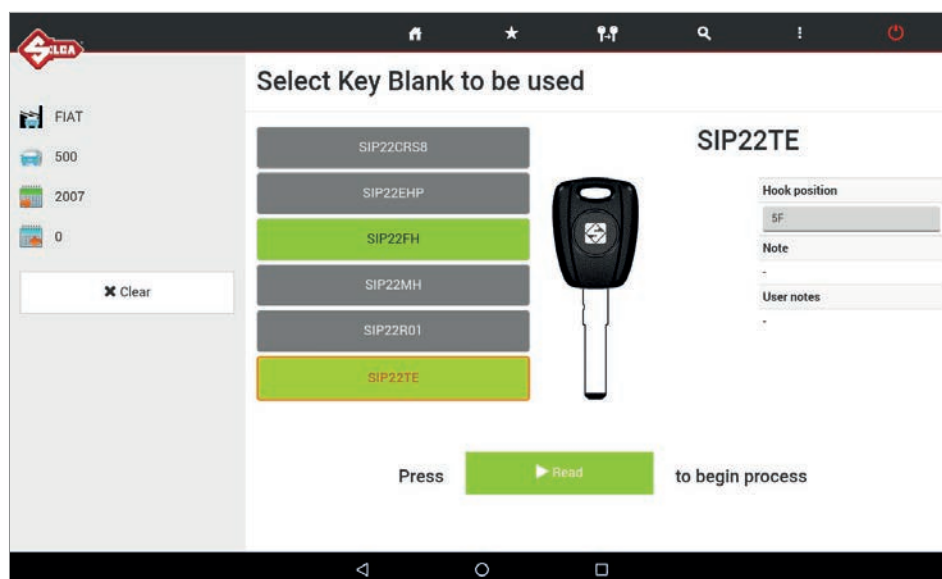
2007 -

2012 - 2014

← Back

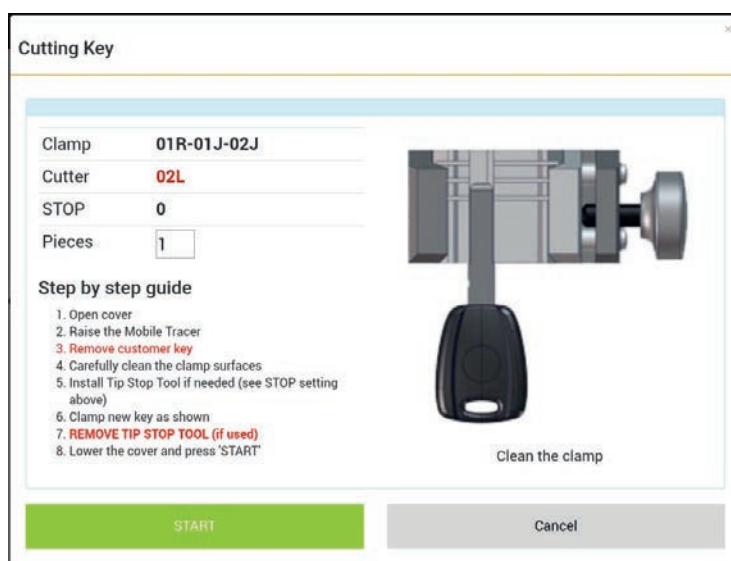
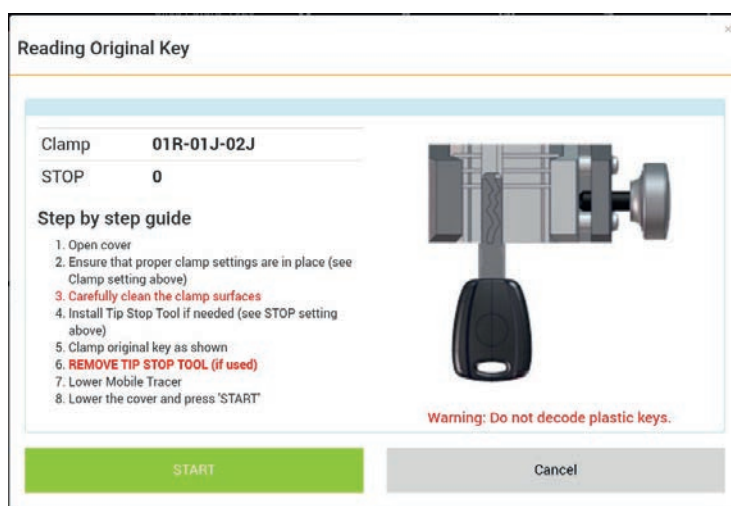
A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y
Z	0	1	2	3
4	5	6	7	8
9	.	-	^	~

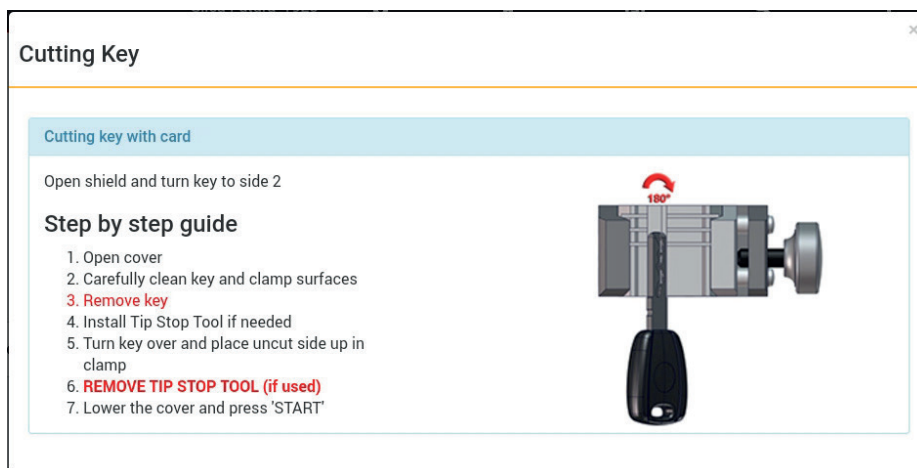
← DELETE SPACE



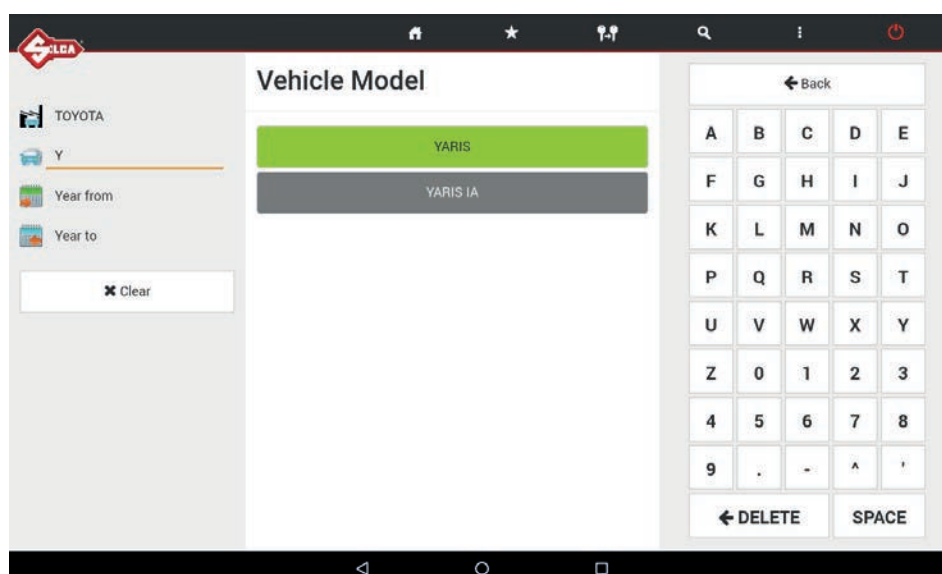
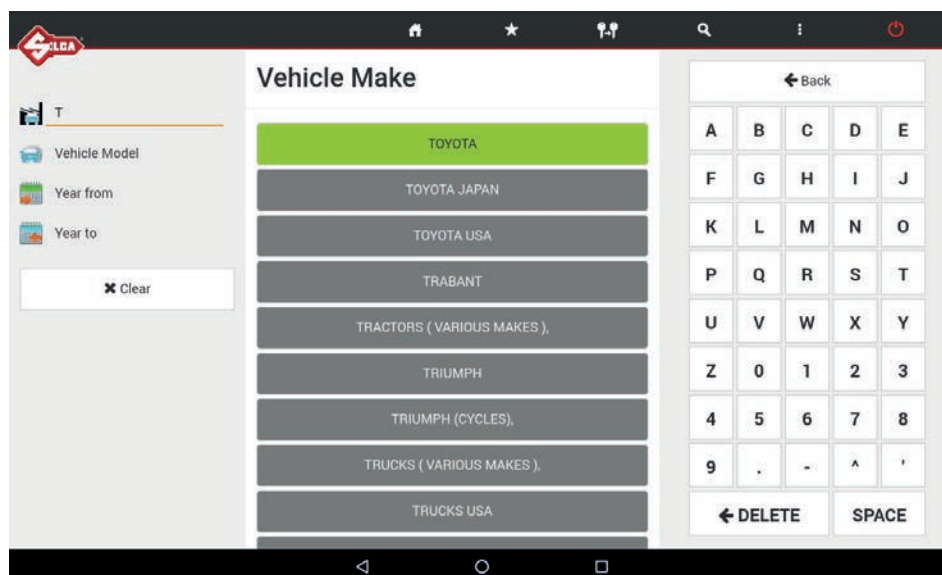
When the READ key has been hit, the sequence of operations is shown, with a drawing of the clamp and jaws to use and the Stop in use for the key in question.

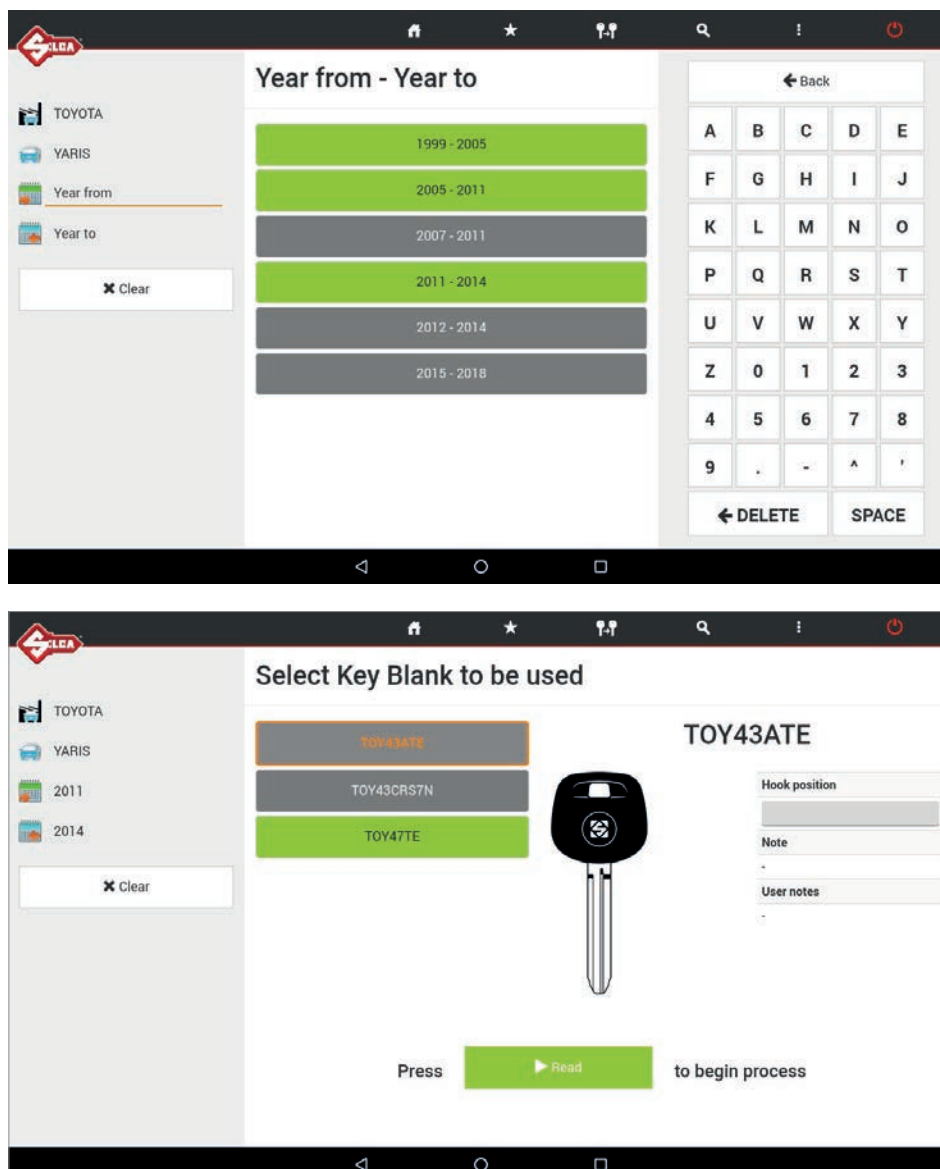
Tap START to continue.



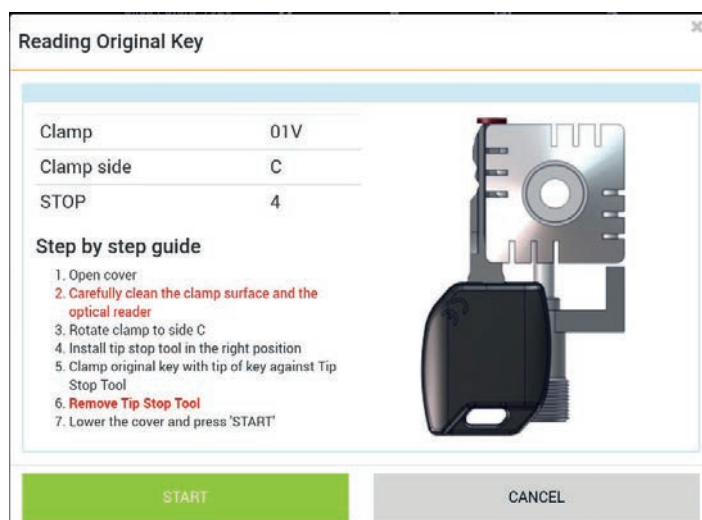


Example: TOYOTA -> YARIS -> 2011





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

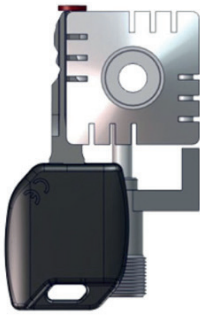


Cutting Key

Clamp	01V
Clamp side	C
STOP	4
Pieces	1

Step by step guide

1. Open cover
2. Remove customer key
3. Install tip stop tool in the right position
4. Clamp key blank with tip of key against Tip Stop Tool
5. Remove Tip Stop Tool
6. Lower the cover and press 'START'



START

Send to MYKEYS Safe

CANCEL

Copy key

Copy key

Cutting completed

Steps to cut the same key again

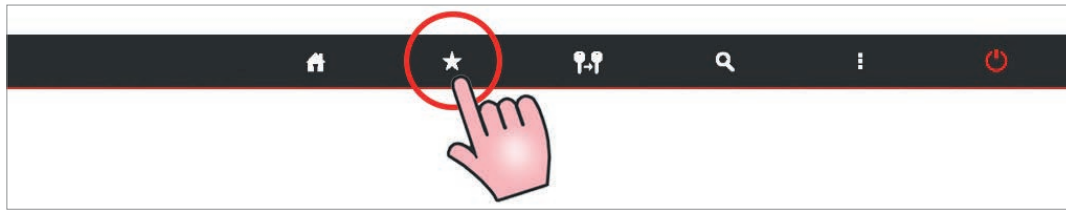
1. Open cover
2. Remove customer key
3. Install tip stop tool in the right position
4. Clamp key blank with tip of key against Tip Stop Tool
5. Remove Tip Stop Tool
6. Close cover
7. Copy completed.

Press Repeat to cut more copies or side 2

Close

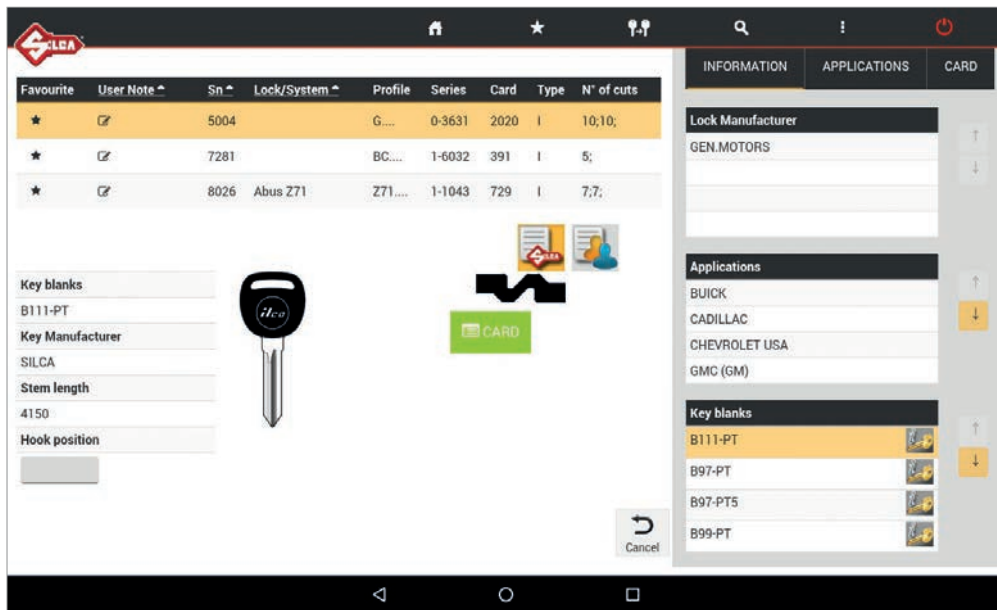
Repeat

4 FAVORITE'S

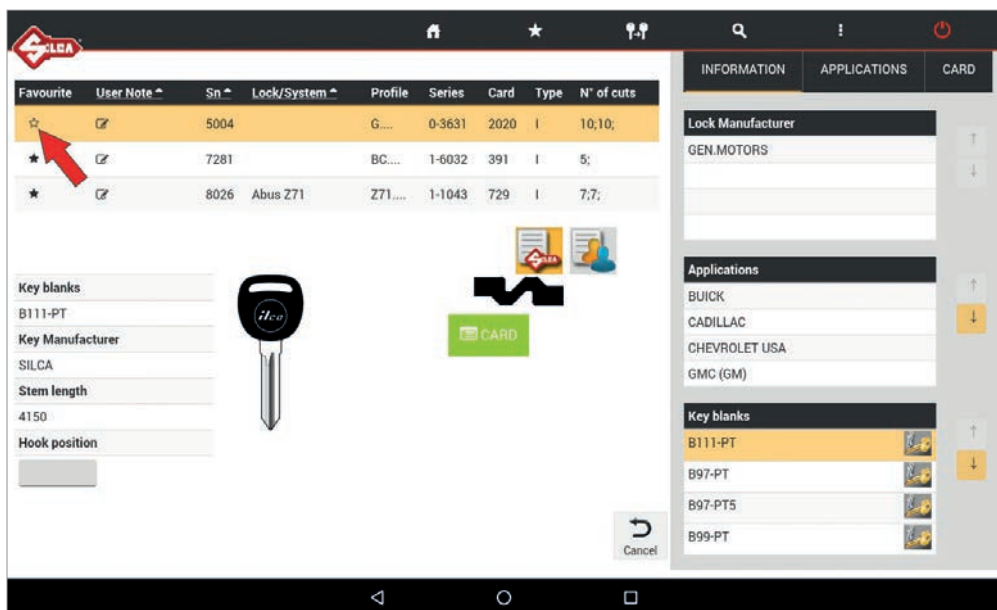


The FAVORITES menu contains the data cards that have been selected in the Search menu (Standard keys, Vehicle keys, Dimple/Track keys). Saving data cards to the favorites menu will eliminate the time spent searching for frequently used cards.

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



To select data cards to be included in the Favorite's menu tap the star symbol ☆ 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 MY KEYS SAFE



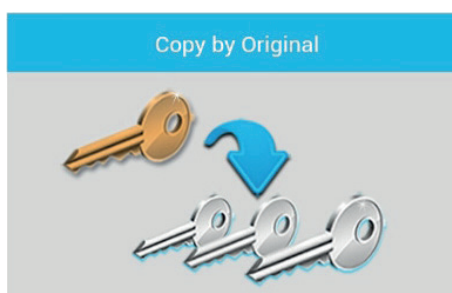
MYKEYS Safe is an innovative service: you can scan and create a digital version of your keys, and get the duplicate wherever you are at one of the authorized partners.

The duplication partners that own a Futura machine can join the MYKEYS Safe service by signing up for a one-off subscription. For more information, contact your Silca or Ilco dealer.

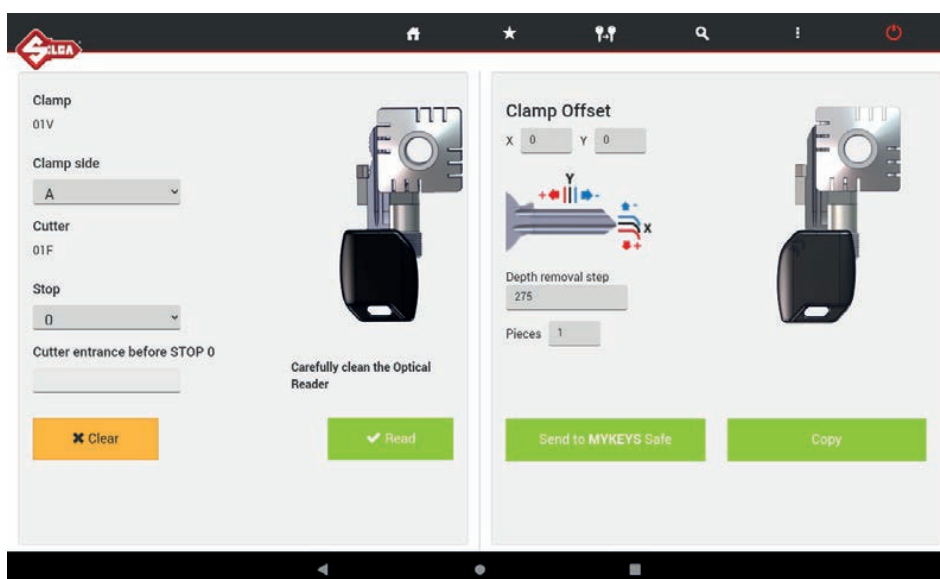
5.1 COPY FROM ORIGINAL Procedure (Ch.3.1)

When using the COPY FROM ORIGINAL or COPY FLAT/VEHICLE KEY procedure, decode the key and then store it in MYKEYS Safe

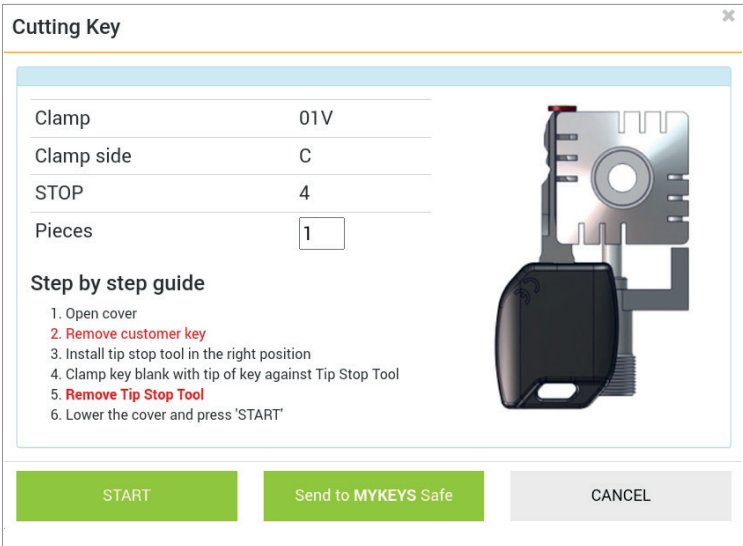
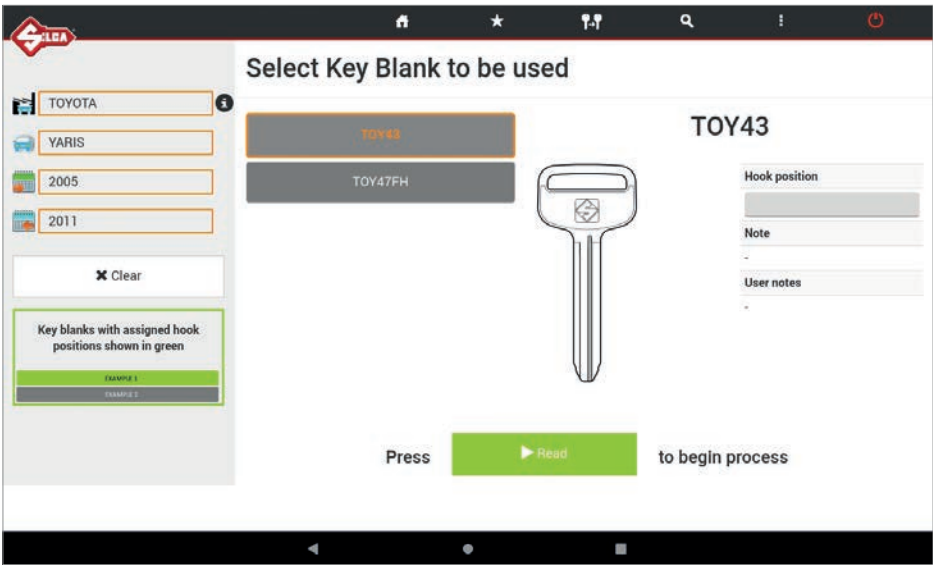
[Send to MYKEYS Safe](#)



5.1.1 Copy flat key

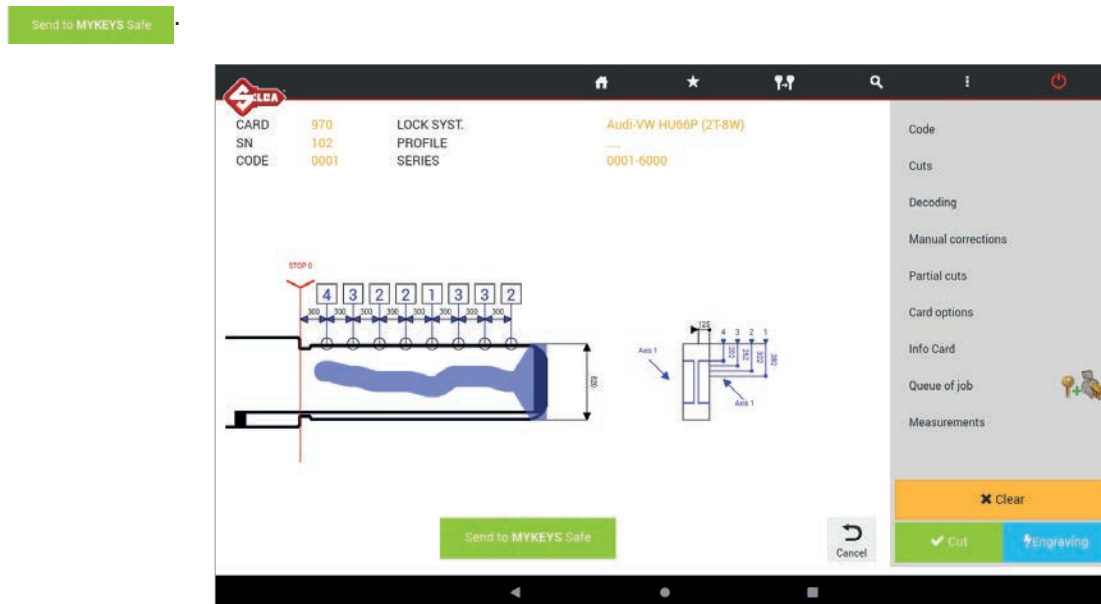


5.1.2 Copy flat key



5.2 COPY FROM CARD procedure (Ch.2)

After preparing the cutting card (with Decode, Indirect Code or manually) store the key in MYKEYS Safe



Tap the icon 'Send to MYKEYS Safe' to see two saving methods:

- **WITH SECURITY CODE**
- **WITHOUT SECURITY CODE (recommended)**

MYKEYS Safe

SECURE CODE

NO SECURITY CODE

Secure code

Hit 'Forward' to continue

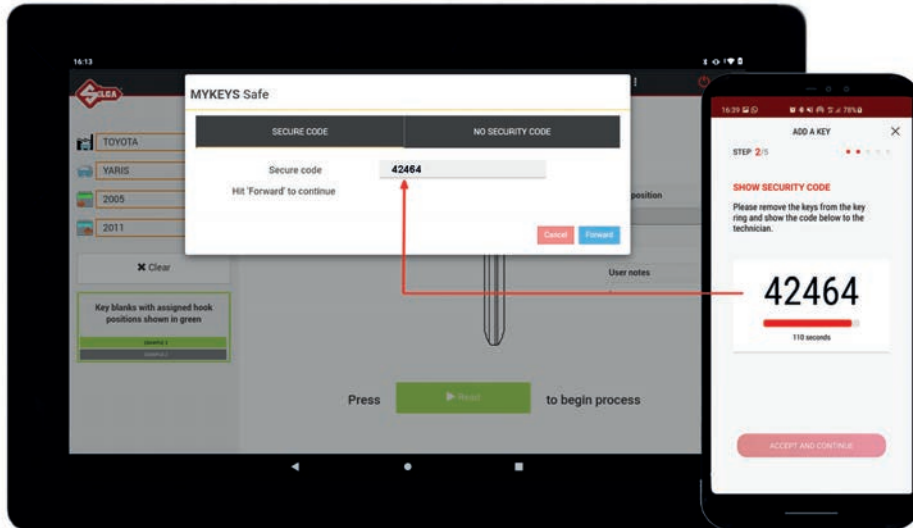
Cancel

Forward

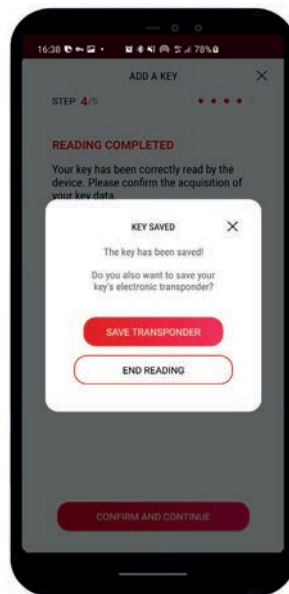
5.2.1 WITH SECURITY CODE

The MYKEYS Safe application  is required (download from PlayStore or Applestore).

The MYKEYS Safe app will provide a SECURITY CODE to enter in the screen shown below.



For AUTO keys, after saving the mechanical key you may also choose to store the Transponder. If the user wishes to store the transponder, another security code will be sent for Silca Transponder cloning devices assigned to MYKEYS Safe.



5.2.2 WITHOUT SECURITY CODE

This function is used to store the 'digital key' for a limited time when users are not yet in possession of the MYKEYS Safe application.

The required information can be used for the later retrieval of the stored digital key.

The screenshot shows the 'MYKEYS Safe' registration interface. It has two tabs: 'SECURE CODE' and 'NO SECURITY CODE', with the latter selected. The form includes fields for Email (pre-filled with 'xxxxxxx@gmail.com'), Cell phone (Country: 'United States', Number: '333123456XXX'), Key name (pre-filled with 'room 1 key'), and a Transponder checkbox (unchecked). Below these is an 'ATTENTION' box with a warning message: 'Please check the data provided with the customer. Remember the email address will be used as the ACCOUNT for MYKEYS Safe app.' and a 'Confirm' checkbox (unchecked). At the bottom, a note states: 'User will have 48 hours to access the MYKEYS Safe app and save the key. After that, the key will be erased.' There are 'Cancel' and 'Forward' buttons at the bottom right.

Enter the data required for registering the app.

- E-mail address: to receive notifications and implement registration.
- Cell phone number: to retrieve your key.
- Transponder: tick the box if the key also contains a transponder.
- Confirmation: required

The user will have 48 hours to access the MYKEYS Safe app and retrieve the key. **After 48 hours the key will be deleted.**

- A notification will be sent to the given e-mail address every 24 hours until the key is deleted.
- Use the given e-mail address to register the APP.
- The given telephone number will be used to retrieve the key.

After entering the data, fill in the info module to complete the storage operation.

The following modules are available, according to the storage method used:

COPY FROM ORIGINAL

The screenshot shows the 'MYKEYS Safe - Read Key' form. It contains several input fields: 'Clamp' (01V), 'Clamp side*' (A), 'Stop*' (0), 'Cutter' (01F), 'Symmetrical key*' (Type of key dropdown), 'Key blanks*', 'Key Manufacturer', 'Lock Manufacturer', and 'Note'. A yellow 'Warning' box contains the text: 'Note: before continuing, check that the clamp side and stop are fitted properly.' At the bottom, there is a note: 'Hit Forward to save key data' and 'Cancel' and 'Forward' buttons.

Clamp:	01V
Clamp side*:	A - B - C - D
Stop*:	0 - 1 - 2 - 3 - 4
Cutter:	01F
Symmetrical key*:	Yes or No
Keyblank*:	Enter the key blank used
Key Manufacturer:	optional
Lock Manufacturer:	optional
Note:	optional

(*) = required fields

COPY FROM ORIGINAL - VEHICLE

MYKEYS Safe - Read Key

Clamp	01V	Vehicle Make	TOYOTA
Clamp side	C	Vehicle Model	YARIS
Stop	3	Year from - Year to	2005 - 2011
Key blanks	TOY43		
Note			

Hit 'Forward' to save key data

Clamp: 01V
Clamp side: default
Stop: default
Vehicle Make: default
Vehicle Model: default
Year from - Year to: default
Key blank: default
Note: optional

COPY FROM CUTTING CARD

MYKEYS Safe - Read Key

Clamp	01V	Key Manufacturer	
Clamp side	A	Lock Manufacturer	
Stop	0		
Key blanks*	UL050	Customised Key	☐
		Customer's card checked	☐
Note			

Hit 'Forward' to save key data

Clamp: default
Clamp side: default
Stop: default
Key blank: select
Key manufacturer: optional
Lock manufacturer: optional
Customised key: see info
Customer's card: see info
Note: optional

Customised key

☐

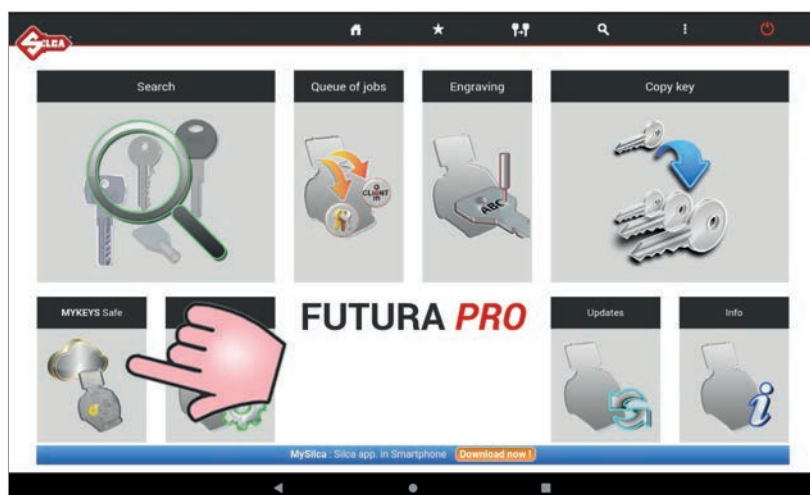
This option sets up the next key-cutting operation in the same shop that carried out reading and storage.
It is automatically enabled for password-protected cards.

Customer's card checked

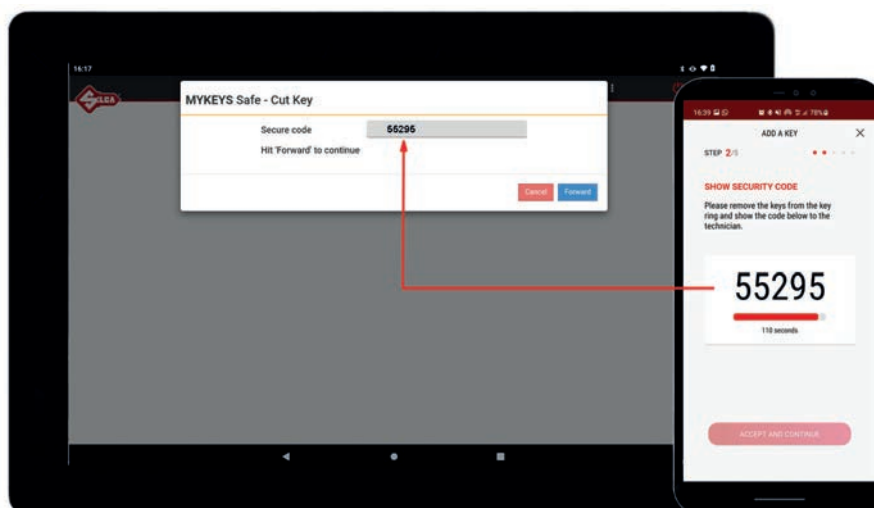
☐

This option, which is not obligatory, is used at the moment of storing to record a check on the customer card and the data connected to it, if applicable.
Enable this option to avoid checking customer cards for every future cutting operation.

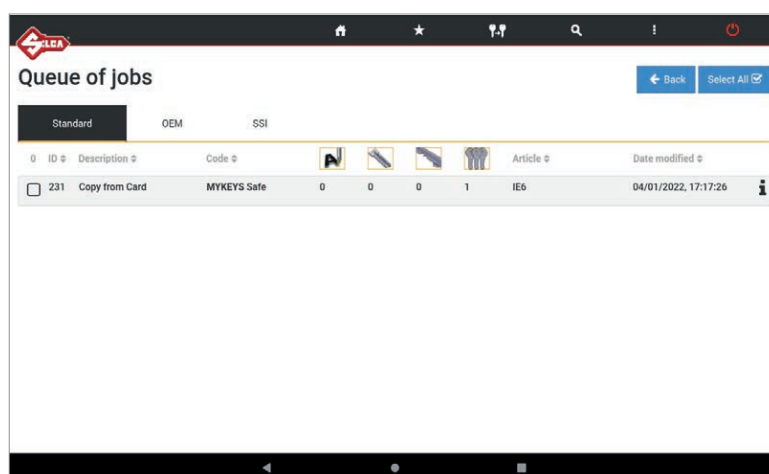
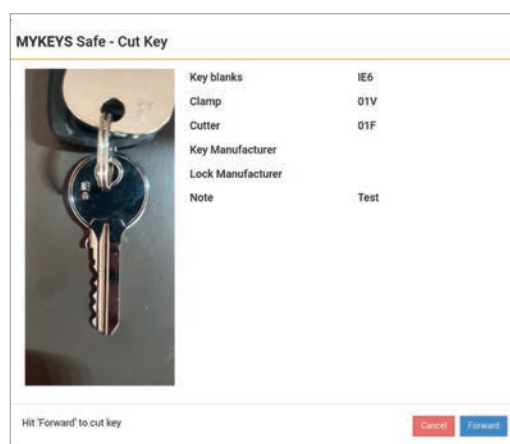
5.3 COPYING KEYS WITH MYKEYS SAFE



When activating the MYKEYS Safe function a SECURITY CODE will be required in order to cut a key. The SECURITY CODE is generated by the MYKEYS Safe app.

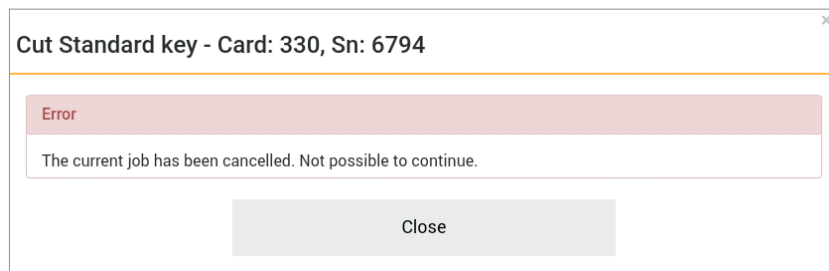


FLAT KEYS:



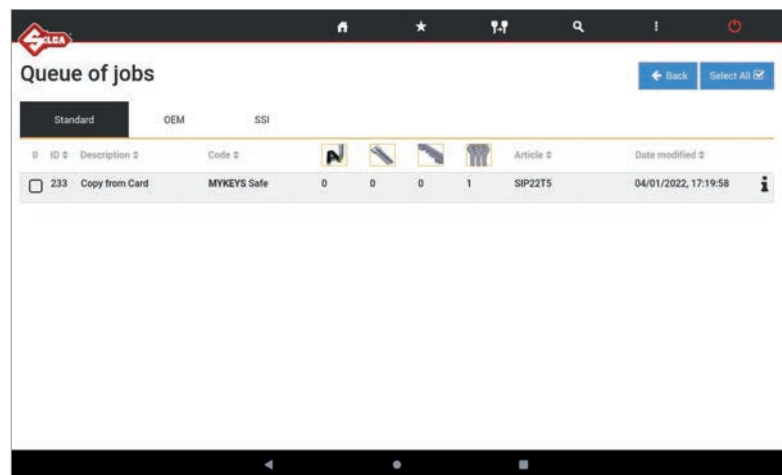
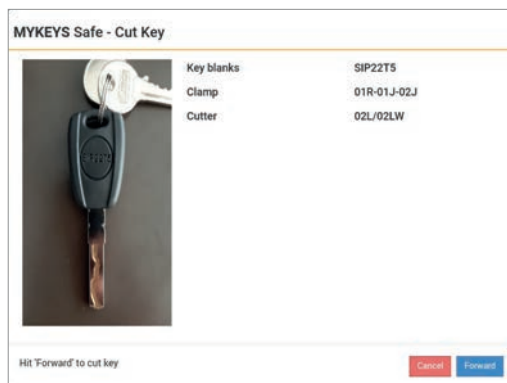
After confirmation, the machine will show the details of the key to be cut; press “Forward” to send the job to the MYKEYS Safe job queue (Ch.6.2).

As opposed to a standard job queue (Ch.6.1) the MYKEYS Safe job queue can only be used once. An error message appears if a second attempt is made:



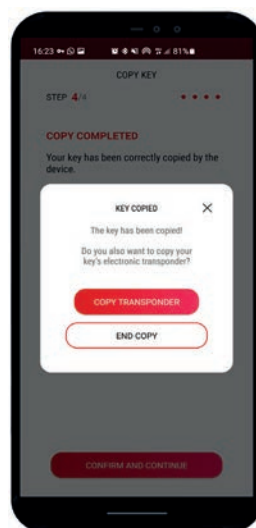
The user (owner of the APP) will receive notification when the key has been copied.

VEHICLE KEYS:



After confirmation, the machine will show the details of the key to be cut; press “Forward” to send the job to the MYKEYS Safe job queue (Ch.6.2).

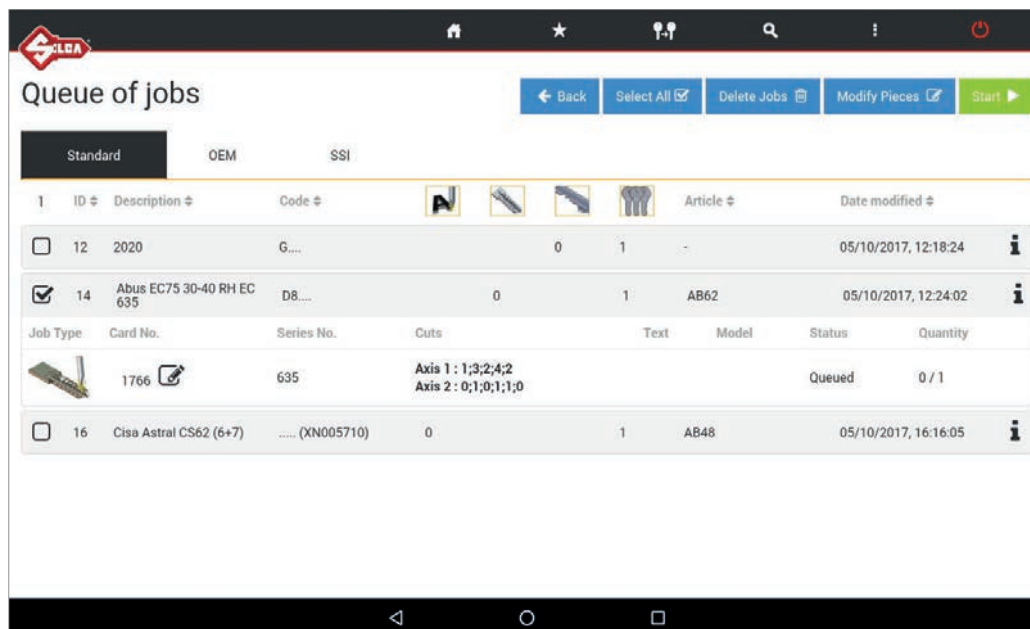
At the end of the cutting operation for a mechanical key, the user may wish to make a copy of the transponder by pressing “COPY TRANSPONDER” in the MYKEYS Safe app. In this case the user will receive a security code for Silca transponder cloning devices assigned to MYKEYS Safe.



6 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”.

6.1 “STANDARD” QUEUE OF JOBS



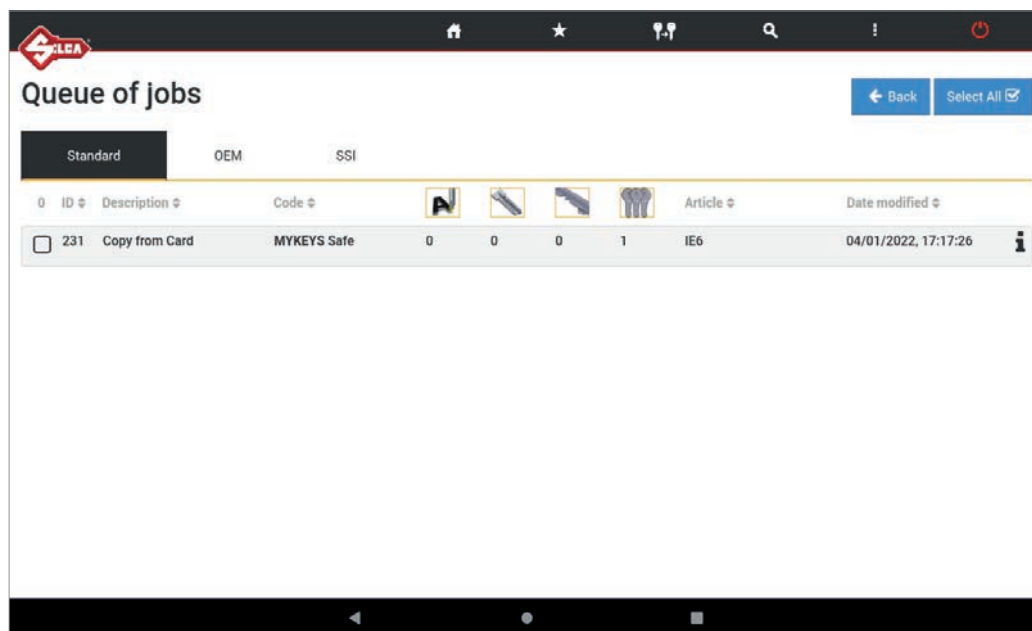
- Select one or more jobs using the “Select All” button, or tap the  box.
- To see other job details, tap the single row.
- To delete the selected jobs, tap “Delete Jobs”.
- To edit the number of keys to be cut in the selected jobs, tap “Modify Pieces”.
- To start cutting the selected jobs, tap “Start”.

ICON LEGEND

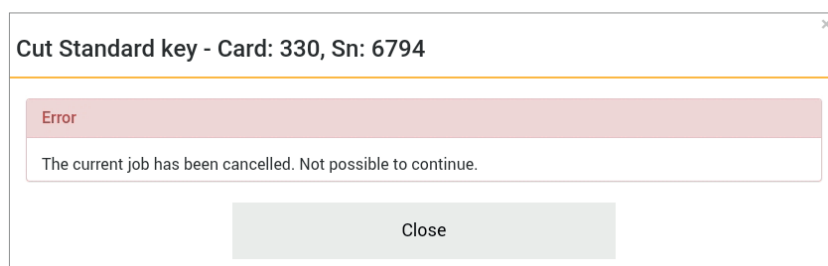
	Total number of keys to be cut
	Number of DIMPLE cuts already made
	Number of STANDARD cuts already made
	Number of ENGRAVINGS already done
	Identifies DIMPLE cuts
	Identifies STANDARD cuts
	Identifies ENGRAVING
	Extra information

6.2 “MYKEYS Safe” QUEUE OF JOBS

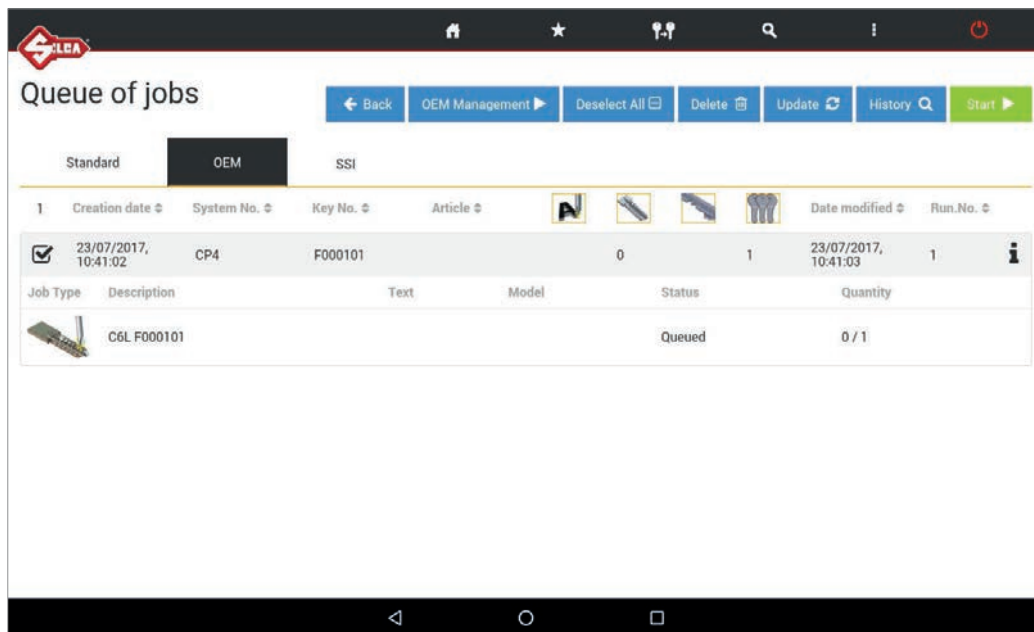
See Ch.5 MY KEYS SAFE.



As opposed to a standard job queue, the MYKEYS Safe job queue can only be used once. An error message appears if a second attempt is made:



6.3 “OEM” QUEUE OF JOBS (only with OEM CLIENT function enabled)



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.7).

6.3.1 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).

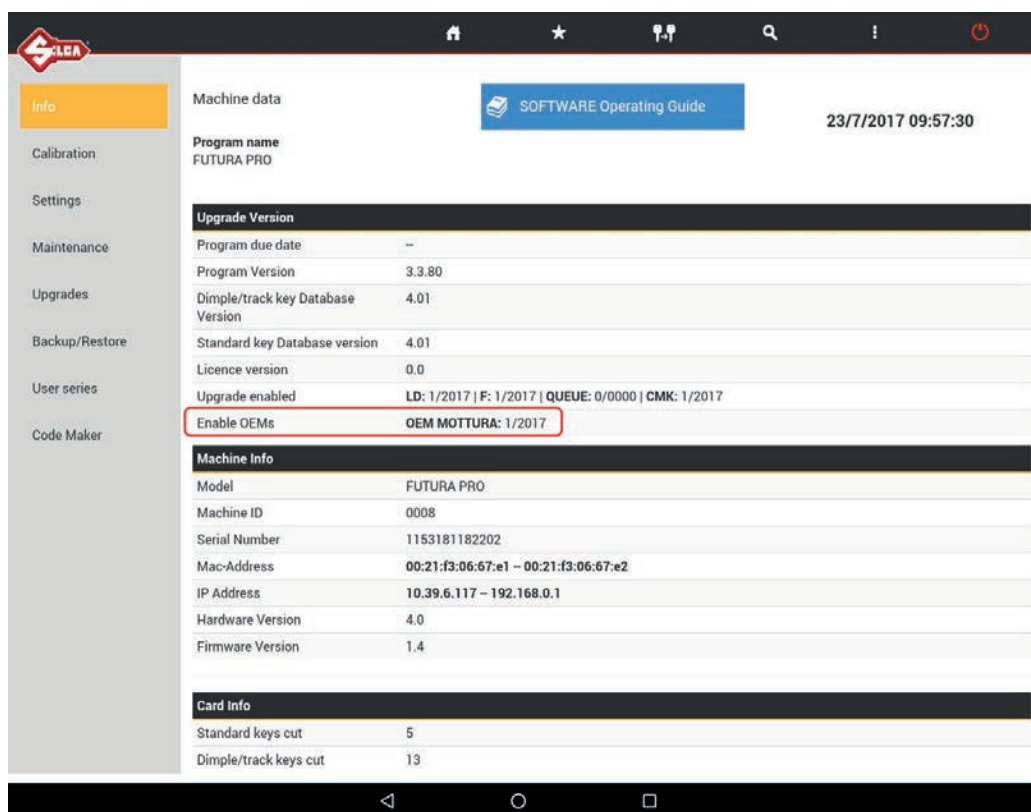


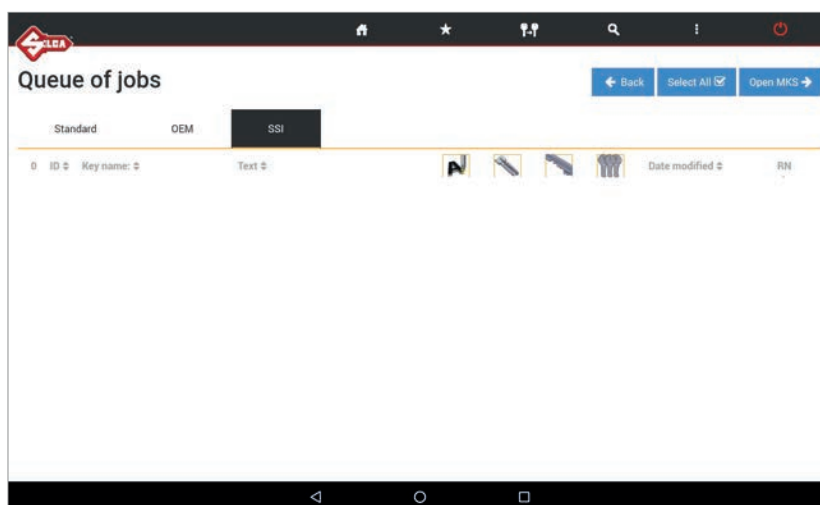
Fig. 3

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.

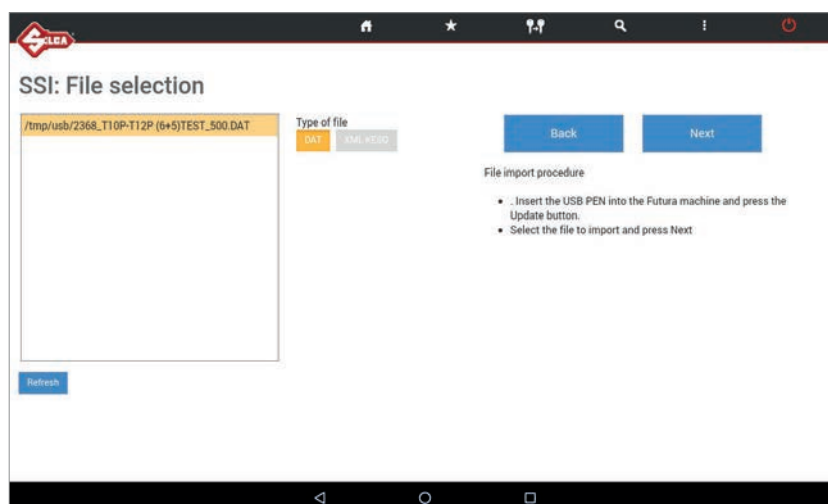
6.4 “SSI” QUEUE OF JOBS

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

Insert the USB PEN containing the file/s into the key-cutting machine port. Tap ‘Open Master Key System’



Select the required file and tap ‘Next’.



When the file has been properly imported, tap ‘Next’.



SSI: MKS - Name

Filter: From ID 1 to ID 500 Key name: show only selected items show only items not sent

ID	Key name:	[T00] Marking	[T01] Profile/[T10] Counter	Quantity	Note
29	Profile 1 T10P-T12P	1000	Profile 1	1	
30	Profile 1 T10P-T12P	1000	Profile 1	1	
31	Profile 1 T10P-T12P	1000	Profile 1	1	
32	Profile 1 T10P-T12P	1000	Profile 1	1	
33	Profile 1 T10P-T12P	1000	Profile 1	1	
34	Profile 1 T10P-T12P	1000	Profile 1	1	
35	Profile 1 T10P-T12P	1000	Profile 1	1	

Previous 1 4 5 6 72 Next

Select engraving model Keys sent to SSI queue

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

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

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



Tap “Add” to send the jobs to the SSI queue.

Attention

Press Add to add the selected rows to the existing queue
Press Overwrite to cancel the current SSI queue and create a new one with the selected rows

Add Overwrite

Queue of jobs

Standard OEM SSI

ID	Key name:	Text	Date modified	RN
4	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	
5	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	
11	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	
12	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	
18	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	
20	Profile 1 T10P-T12P	0 0 0 1	01/06/2018, 11:49:19	

Back Select All Open MKS

After the codes have been sent to the key-cutting machine, you can then select others. Tap “Open Master Key System”.

Note: the lines of keys already sent at least once to the SSI queue are highlighted in green.

SSI: MKS - Name

Filter From ID 1 to ID 500 Key name: show only selected items show only items not sent

ID	Key name:	[T00] Marking	[T01]Profile/[T10]Counter	Quantity	Note
1	Profile 1 T10P-T12P	1000	Profile 1	1	
2	Profile 1 T10P-T12P	1000	Profile 1	1	
3	Profile 1 T10P-T12P	1000	Profile 1	1	
4	Profile 1 T10P-T12P	1000	Profile 1	1	
5	Profile 1 T10P-T12P	1000	Profile 1	1	
6	Profile 1 T10P-T12P	1000	Profile 1	1	
7	Profile 1 T10P-T12P	1000	Profile 1	1	

... Previous 1 2 3 ... 72 Next ...

Select engraving model Keys sent to SSI queue

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

SSI: MKS - Name

Filter From ID 1 to ID 500 Key name: show only selected items show only items not sent ☒

ID	Key name:	[T00] Marking	[T01]Profile/[T10]Counter	Quantity	Note
1	Profile 1 T10P-T12P	1000	Profile 1	1	
2	Profile 1 T10P-T12P	1000	Profile 1	1	
3	Profile 1 T10P-T12P	1000	Profile 1	1	
6	Profile 1 T10P-T12P	1000	Profile 1	1	
7	Profile 1 T10P-T12P	1000	Profile 1	1	
8	Profile 1 T10P-T12P	1000	Profile 1	1	
9	Profile 1 T10P-T12P	1000	Profile 1	1	

... Previous 1 2 3 ... 71 Next ...

Select engraving model Keys sent to SSI queue

To facilitate a search for keys already selected, tap/check “show only selected items” and tap ‘Filter’.

SSI: MKS - Name

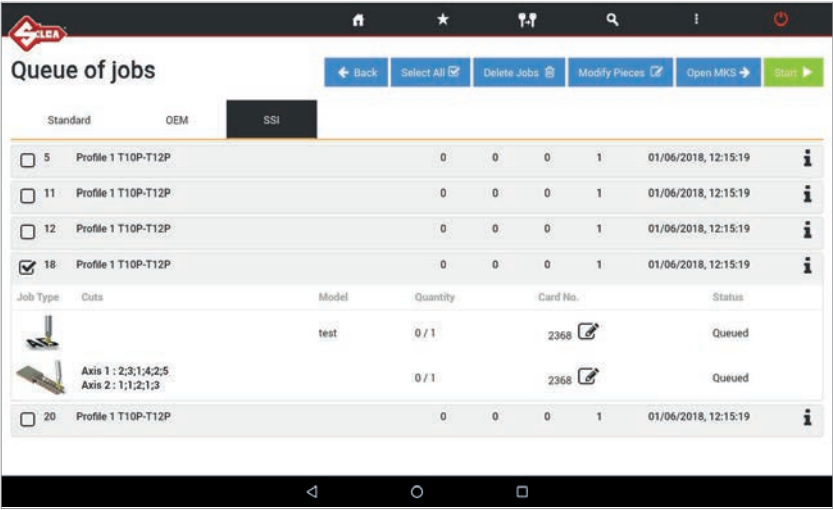
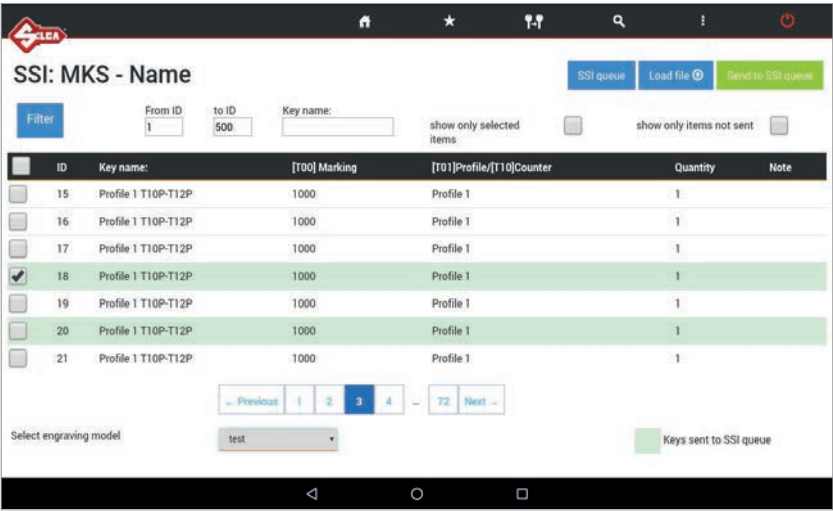
Filter From ID 1 to ID 500 Key name: show only selected items ☒ show only items not sent

ID	Key name:	[T00] Marking	[T01]Profile/[T10]Counter	Quantity	Note
1	Profile 1 T10P-T12P	1000	Profile 1	1	
5	Profile 1 T10P-T12P	1000	Profile 1	1	
6	Profile 1 T10P-T12P	1000	Profile 1	1	

Select engraving model Keys sent to SSI queue

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

Example:



7 ENGRAVING

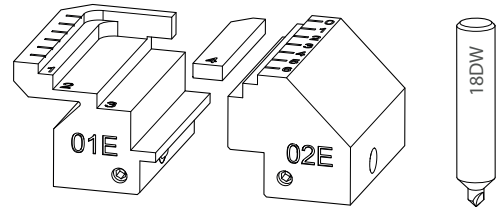
The ENGRAVING function software comes free for all FUTURA PRO and FUTURA key-cutting machine models.

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:

- Jaw 01E (code D748737ZB)
- Jaw 02E (code D748739ZB)
- Adapter for plane 4 (code D750763ZB)
- Cutter 18DW (specific for engraving) (code D748741ZB)



The accessories are:

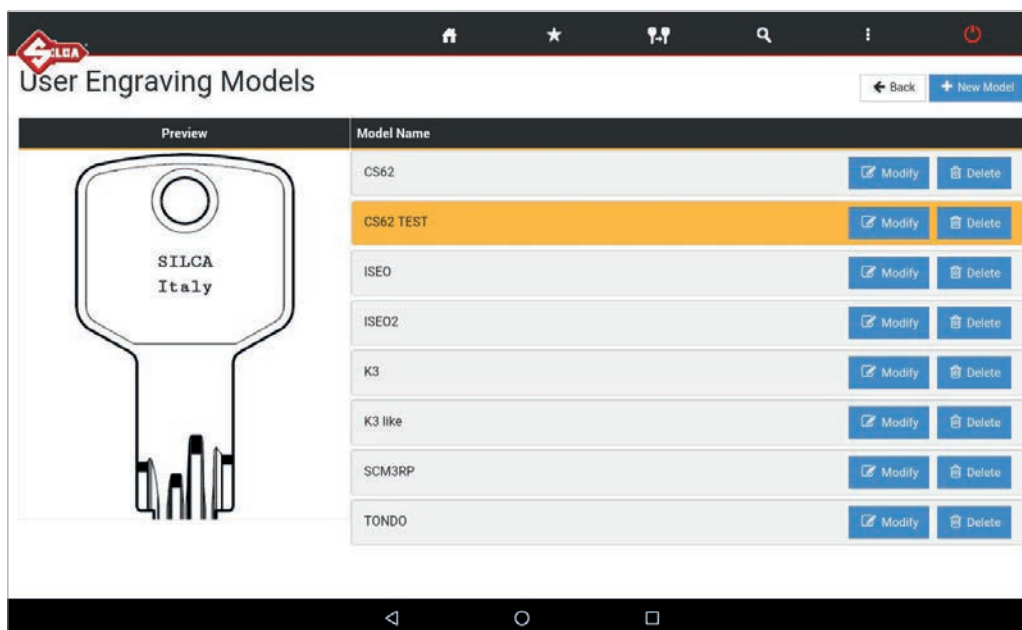
STANDARD on the FUTURA PRO ENGRAVING version

OPTIONAL for all other versions of FUTURA and FUTURA PRO

Fig. 4

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

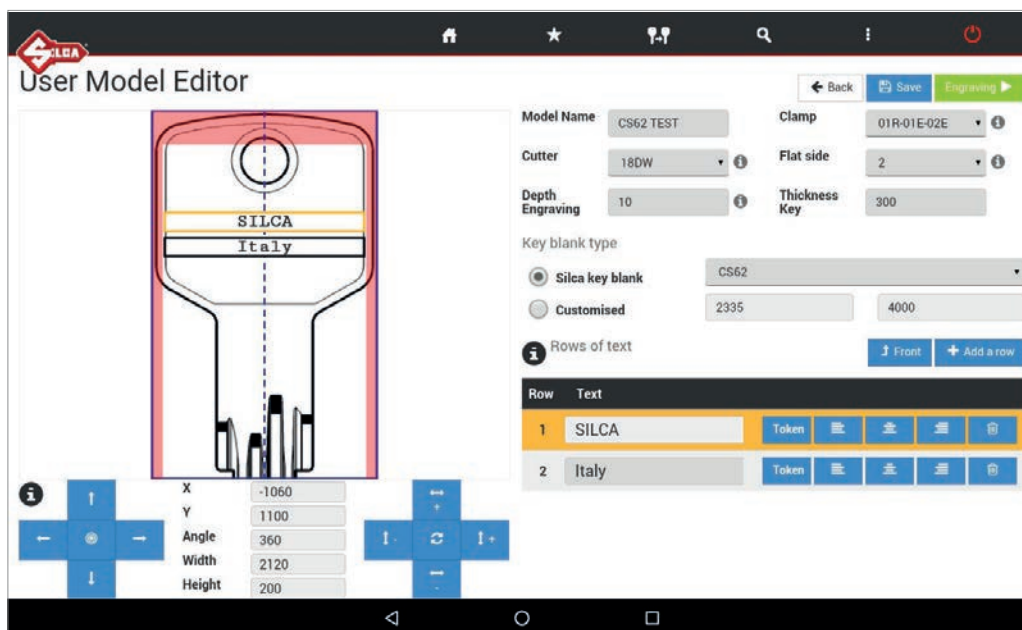




This makes it possible to:

- **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.



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.

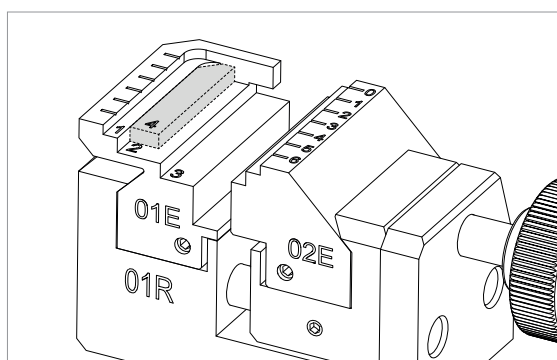


Fig. 5

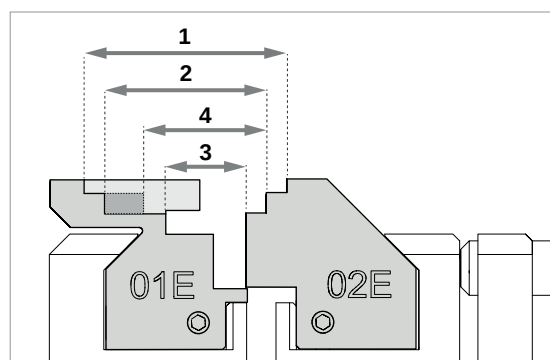


Fig. 6

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

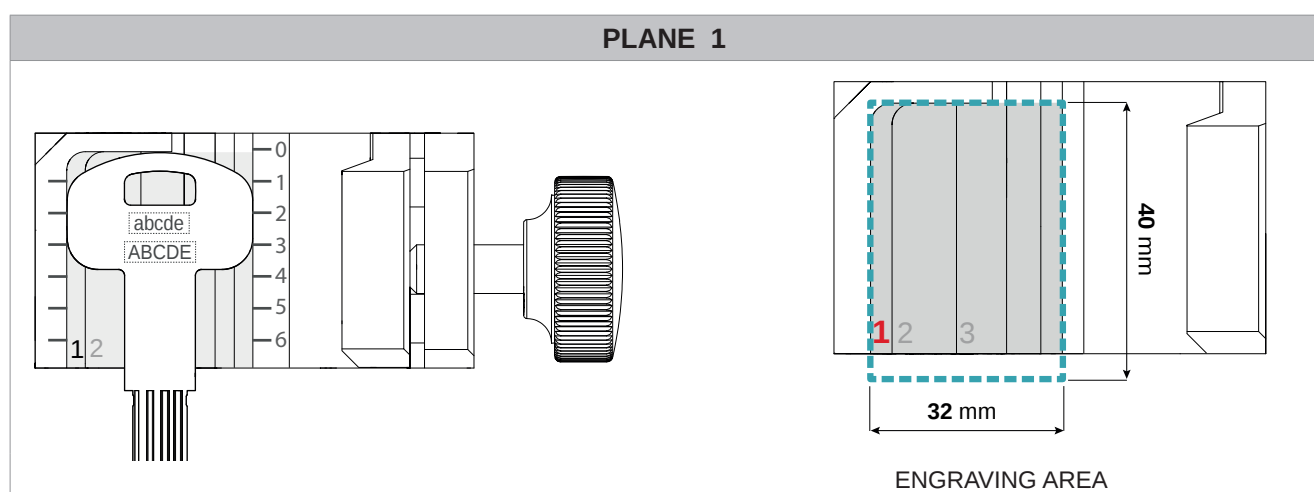


Fig. 7

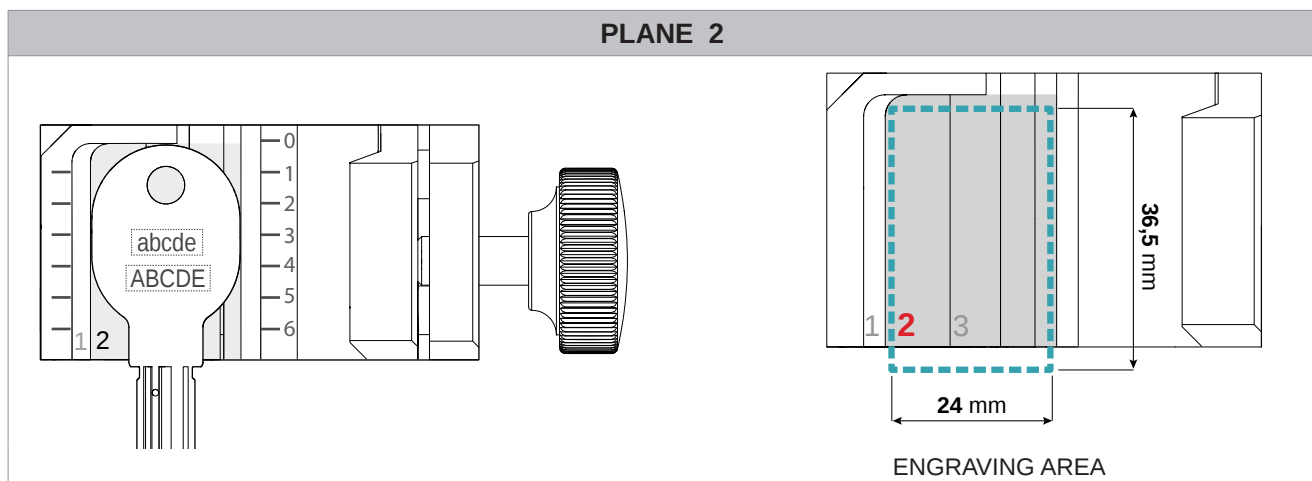


Fig. 8

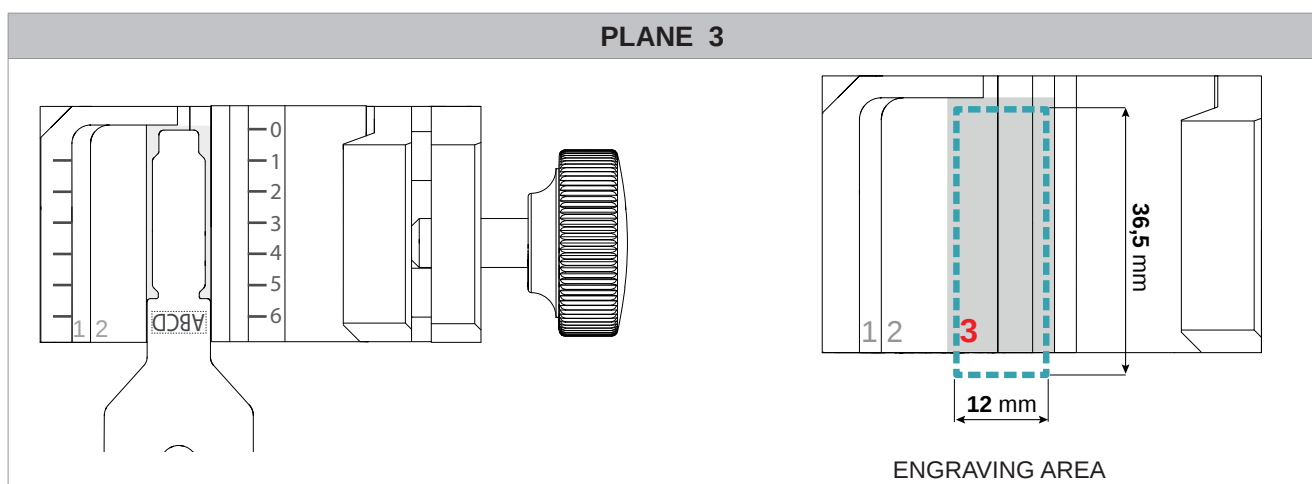


Fig. 9

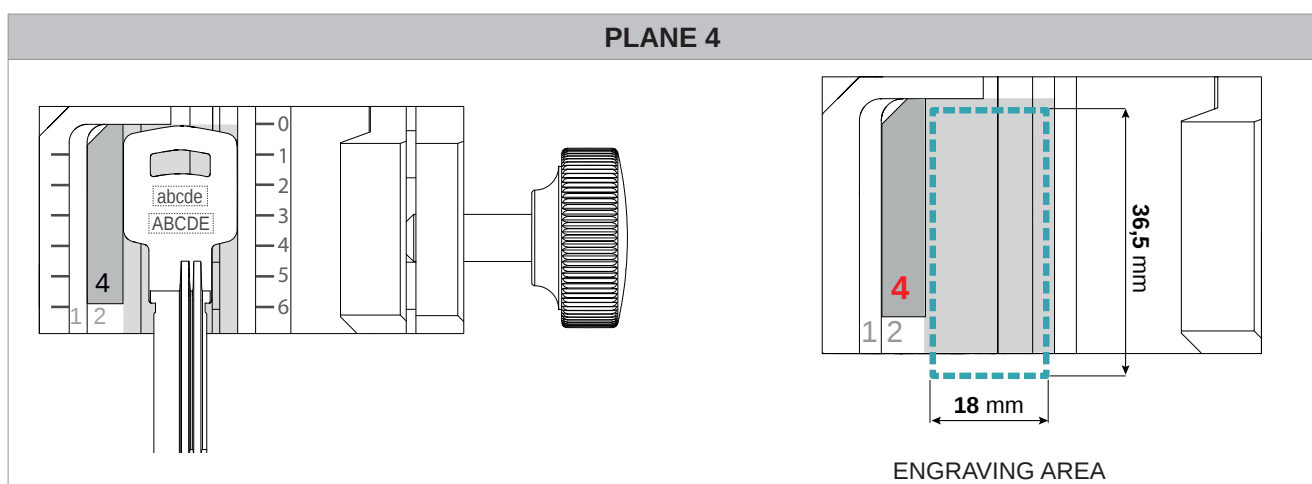


Fig. 10

- **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.
≡ ≡ ≡	To align the text R or L or CENTRE (default) for every row.
🗑️	To remove the selected row of text.
Token	Select the TOKEN button to assign the 'type' to the current row. The 'type' of row may be a free text or a token. The token 'type' cannot be edited directly by the User, but is assigned suitable value with a figure available in the context of the model's use. E.g:

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

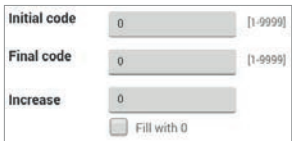
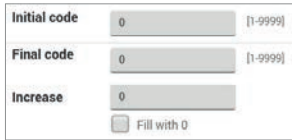
Tokens are mainly used for OEM applications or the production of master key systems for which files containing special information are provided, as below:

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

Select type of row

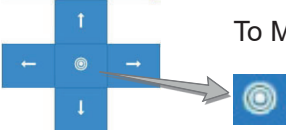
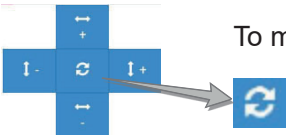
Type of row	Description
Text	Free text
Code Key [T00]	
Code Cylinder [T01]	
Customer [T02]	
Profile [T03]	
Series [T04]	
System No. [T05]	
Constant part of key code [T06]	
Variable part of key code [T07]	
Increase function 1 [T08]	
Increase function 2 [T08]	
Note [T09]	
Progressive counter [T10]	
User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

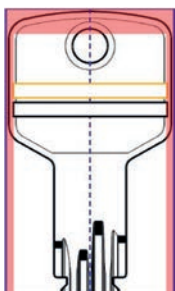
Cancel Select

Text	Free text
T[00]	Replaced with an INDIRECT cutting CODE or Replaced with the name or number of the key in a master key system
T[01]	Used for special applications
T[02]	Replaced with customer Name assigned to a master key system
T[03]	Replaced with the PROFILE field for the lock system involved
T[04]	Replaced with the SERIES field for the lock system involved
T[05]	Replaced with the 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 Function 1	A progressive number is printed on the basis of the set parameters. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example:  - 01 - 02 - 03 - ..
Increase Function 2	A sequence of progressive numbers linked to the set pieces is printed. Used to mark all the keys in sequence before cutting them. The numerical sequence can be filled by zeros to maintain the width of the text unaltered. Example:  setting a quantity of 2 results in: - 01 - 01 - 02 - 02 - 03 - 03 - .. - 10 - 10 To obtain this result, when 2 pieces are finished, repeat the operation until the required sequence is ended.
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

T[13]	MULTILINE Select a token Select a token Position of first character to be engraved 1 [1-99] Number of characters to be engraved 1 [1-99] Employed to distribute a token (long text) over a number of lines by using token T13 twice or more. Once a token has been selected from T00 to T12 indicate: - the position of the first character to be engraved - the number of characters to be engraved Example: - Token selected: T00 (indirect code - ABCD12345678) - Position of first character: 1 - Number of characters: 6 - Value to be engraved on key: ABCD12 To complete engraving of the indirect code on a second line (with token T13): - Position of first character: 7 - Number of characters: 6 - Value to be engraved on key: 345678
--------------	--

• POSITIONING TEXTS WITHIN THE ENGRAVING AREA

	To MOVE the text area (right, left, up, down).  Centre button for CENTRING the text area inside the engraving area.										
	To make the height or width of the text area SMALLER or LARGER.  Centre button for ROTATING the text area by increases of 90°.										
<table> <tr> <td>X</td> <td> -1060 </td> </tr> <tr> <td>Y</td> <td> 1100 </td> </tr> <tr> <td>Angle</td> <td> 360 </td> </tr> <tr> <td>Width</td> <td> 2120 </td> </tr> <tr> <td>Height</td> <td> 200 </td> </tr> </table>	X	-1060	Y	1100	Angle	360	Width	2120	Height	200	To fine tune positioning and dimensions of the row of text, all the measurements viewed can be edited.
X	-1060										
Y	1100										
Angle	360										
Width	2120										
Height	200										

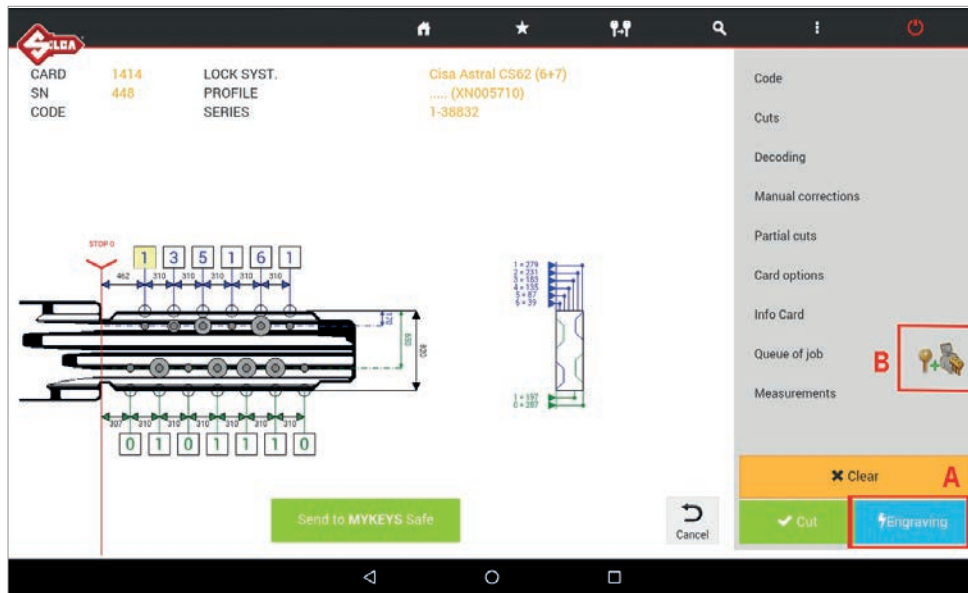


ATTENTION: the RED area corresponds to a safety zone which must be out of the tool's reach. Each clamp plane (1, 2, 3 and 4) has a different area.

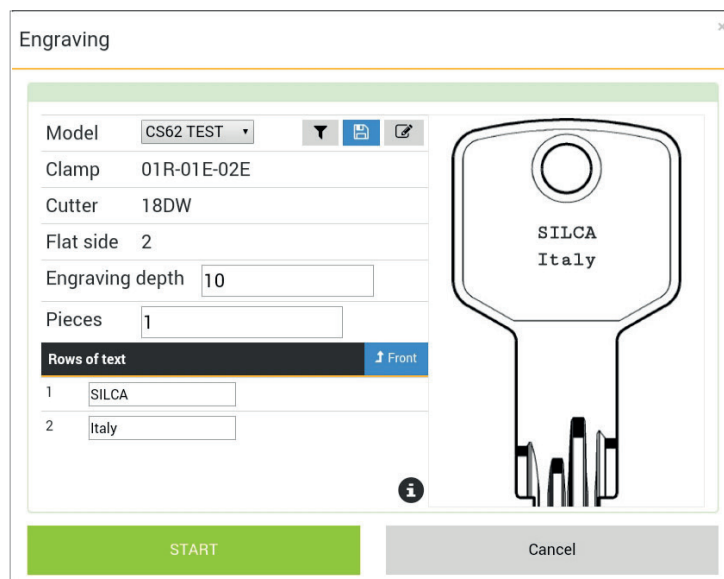
The User Model Editor monitors the position of the rows of text so that they do not interfere with the safety zone.

• HOW TO USE AN ENGRAVING MODEL

1) From a CUTTING CARD



A - Tap ENGRAVING to view:



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.

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

Add a job to the queue

Select the type of job:

☒ Cut ☒ Engraving

Model CS62 TEST

Clamp 01R-01E-02E

Cutter 18DW

Flat side 2

Engraving depth 10

Rows of text

1 SILCA

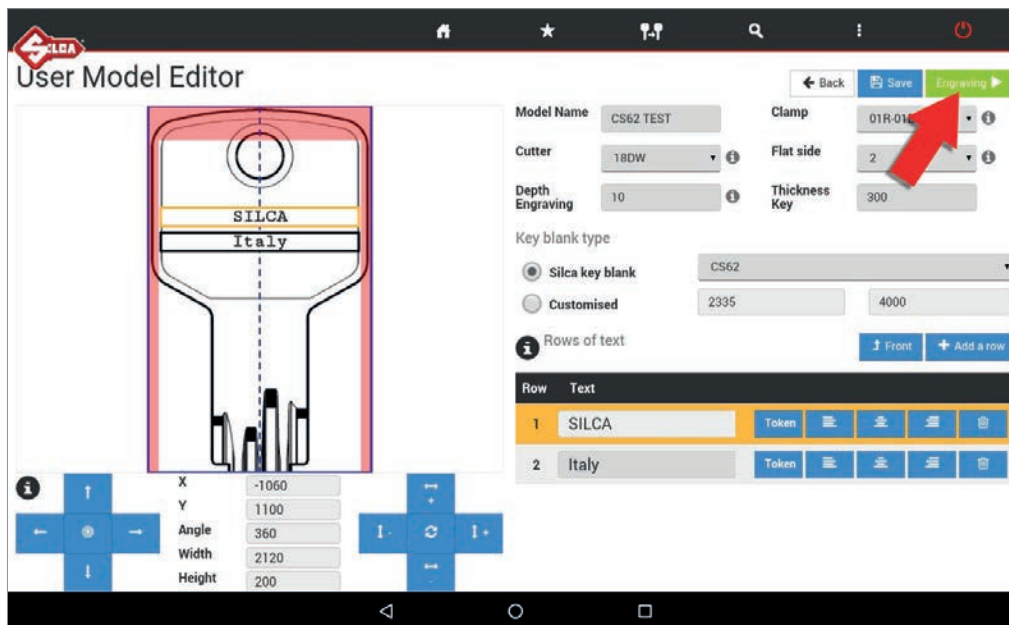
2 Italy

OK CANCEL

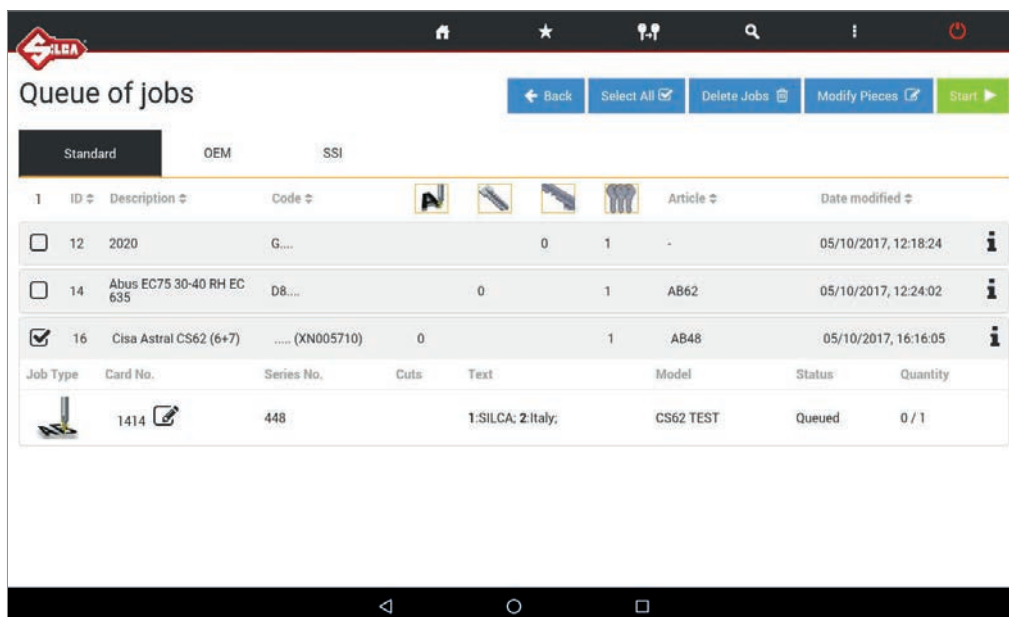
This screen is used to place either cuts or engraving in the queue, according to whether the user ticks the "Cut" and/or "Engraving" fields.

Further details are described in the section above.

2) Tap 'ENGRAVING' from the USER MODEL EDITOR

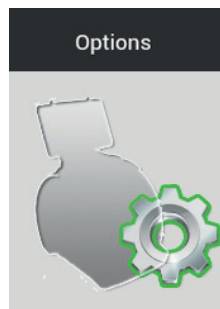


3) From JOB QUEUE



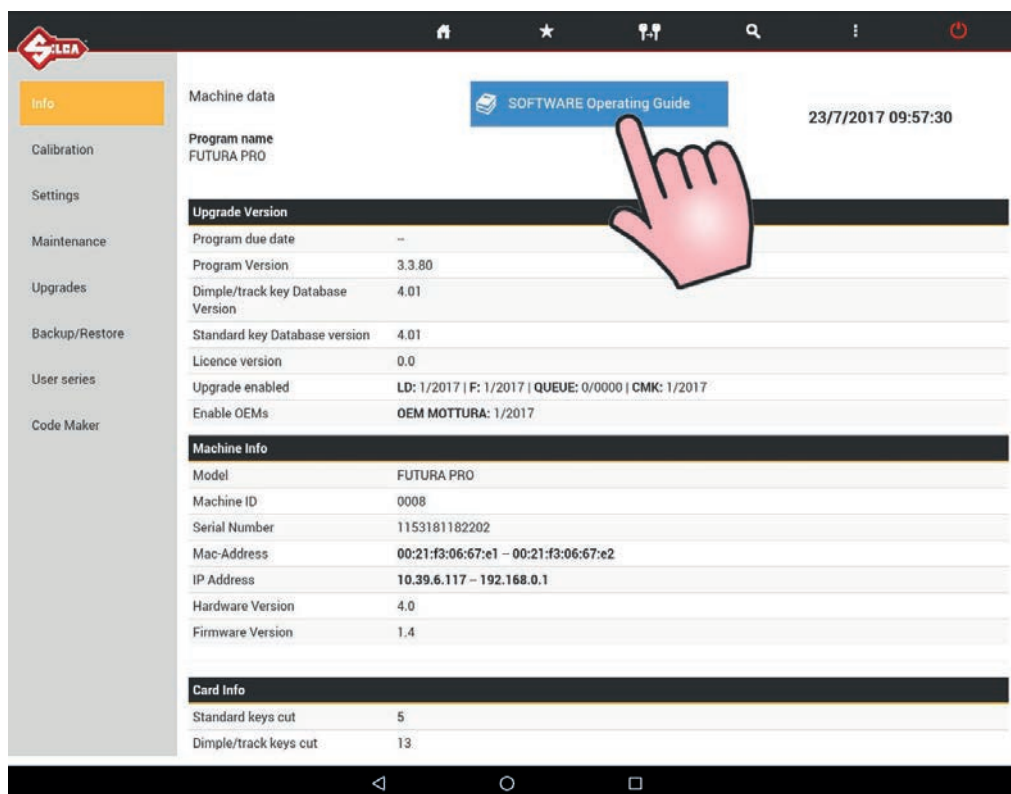
Further details are described in the section above.

8 OPTIONS



Options contains the following menus:

- **Info**
- **Calibration**
- **Settings**
- **Machine maintenance**
- **Upgrades**
- **Backup/Restore**
- **User series**
- **Code Maker (optional - see ch.12)**



8.1 INFO

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

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

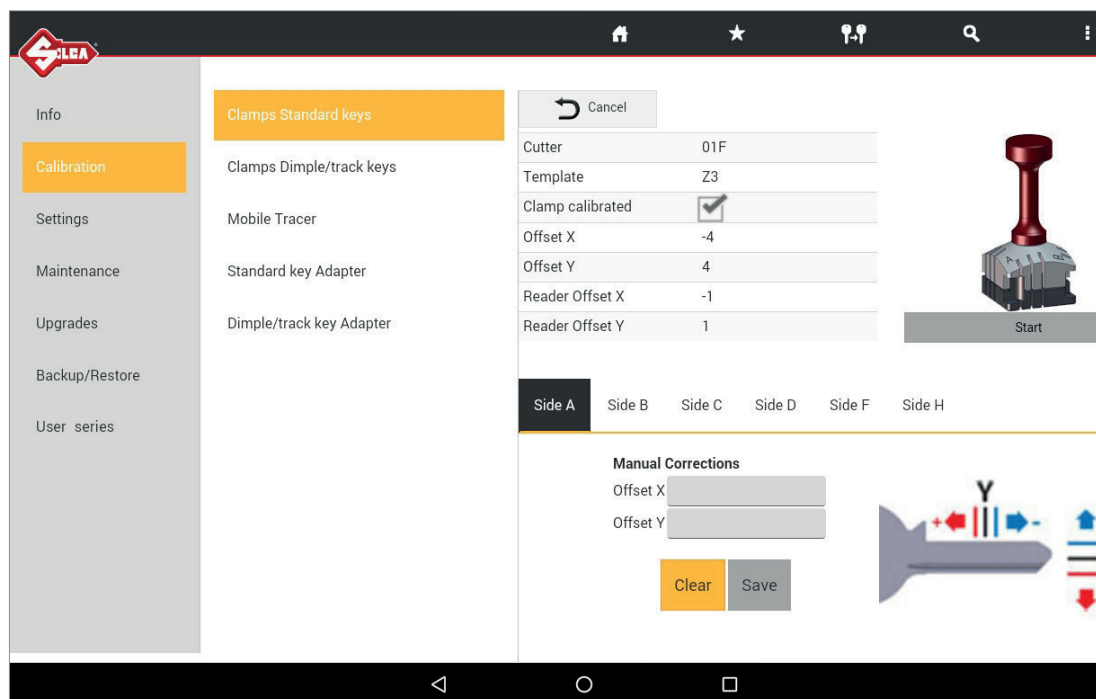
ATTENTION: this function is not available for FUTURA.

8.2 CALIBRATION

Calibration includes:

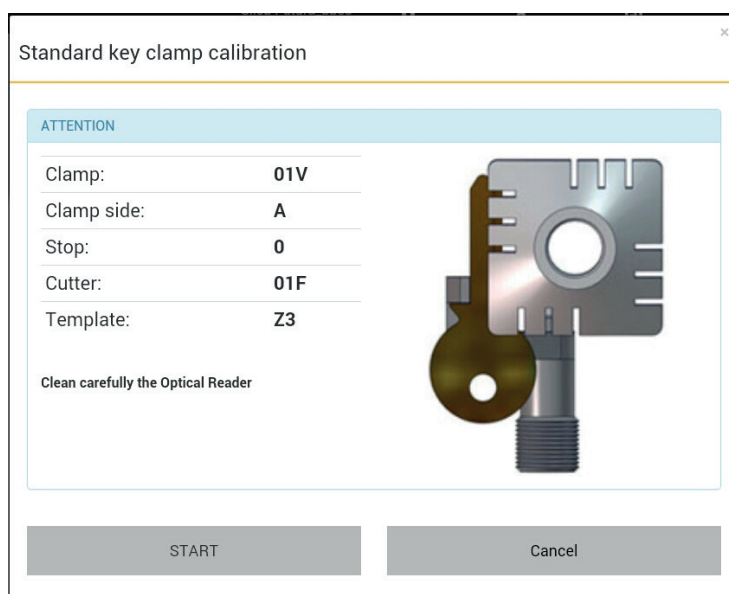
- **Clamp Standard keys**
- **Clamps Dimple/Track keys**
- **Mobile Tracer**
- **Standard key Adapter**
- **Dimple/Track key Adapter**

8.2.1 STANDARD key clamp calibration

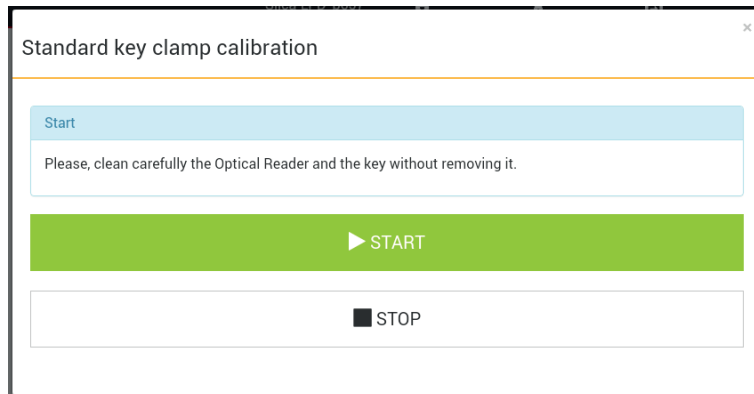


Tap START to begin calibration.

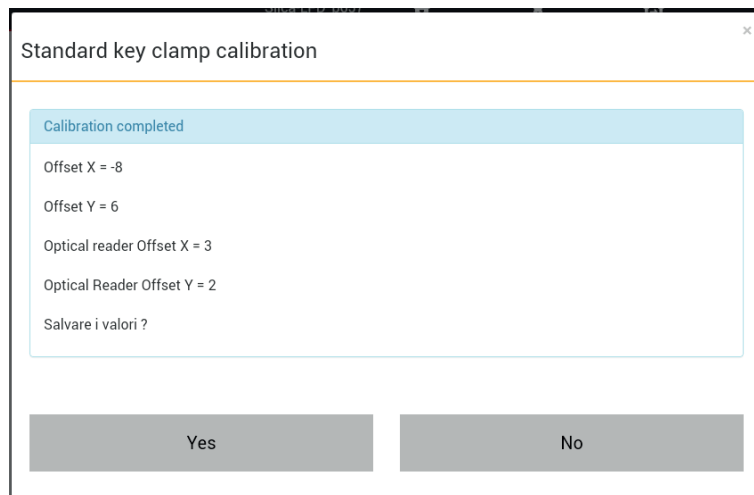
Fit template Z3 into the 01V clamp, as illustrated.



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.



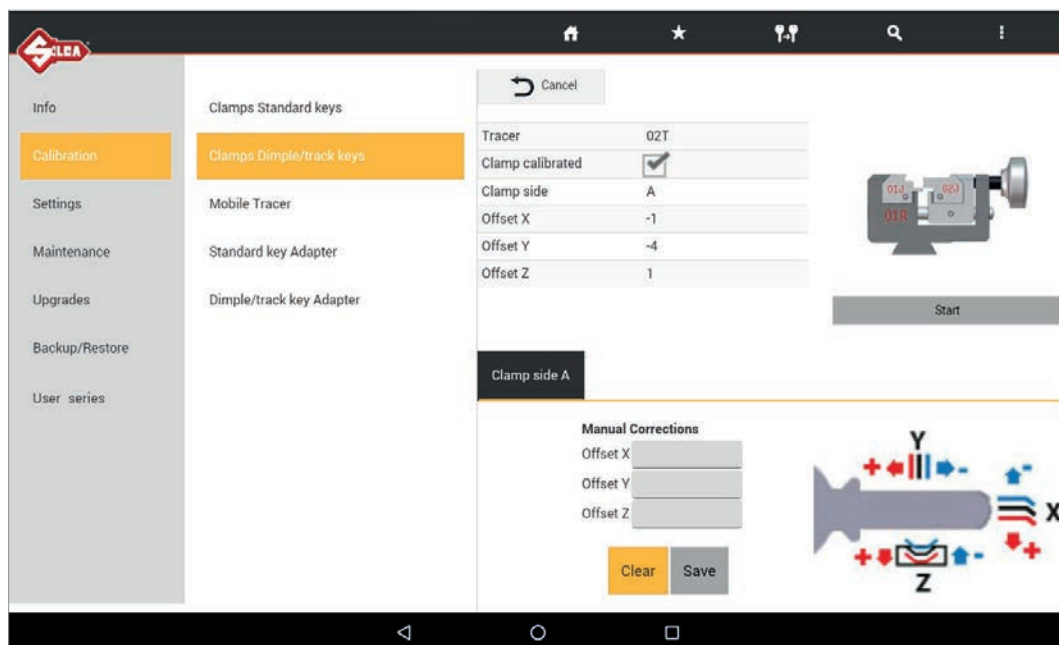
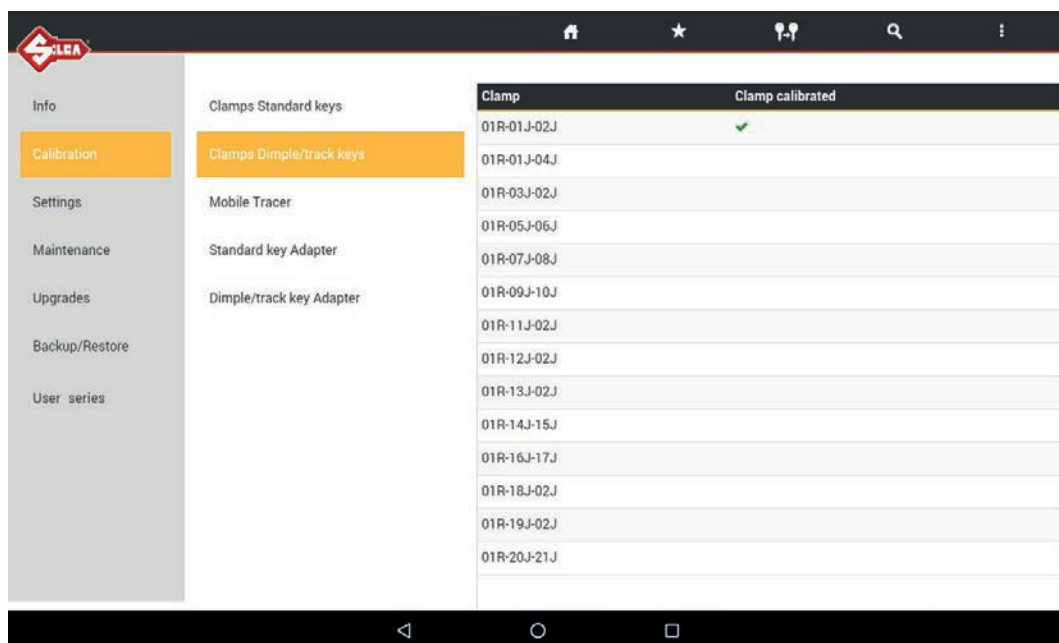
The 01V clamp is calibrated only for Side A.
Only Manual corrections of Y (spaces) e X (depth) can be entered on sides B, C and D.
Positive value of Y: takes cut closer to stop.
Negative value of Y: takes cut away from stop.
Positive value of X: lowers the cut from the axis.
Negative value of X: raises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

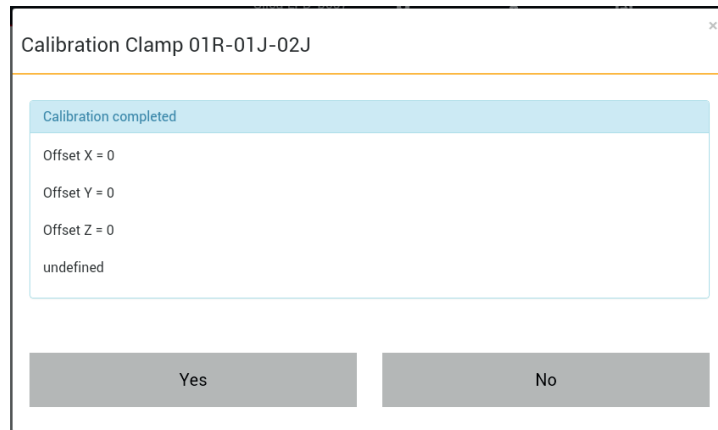
8.2.2 DIMPLE/TRACK keys clamp calibration

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.

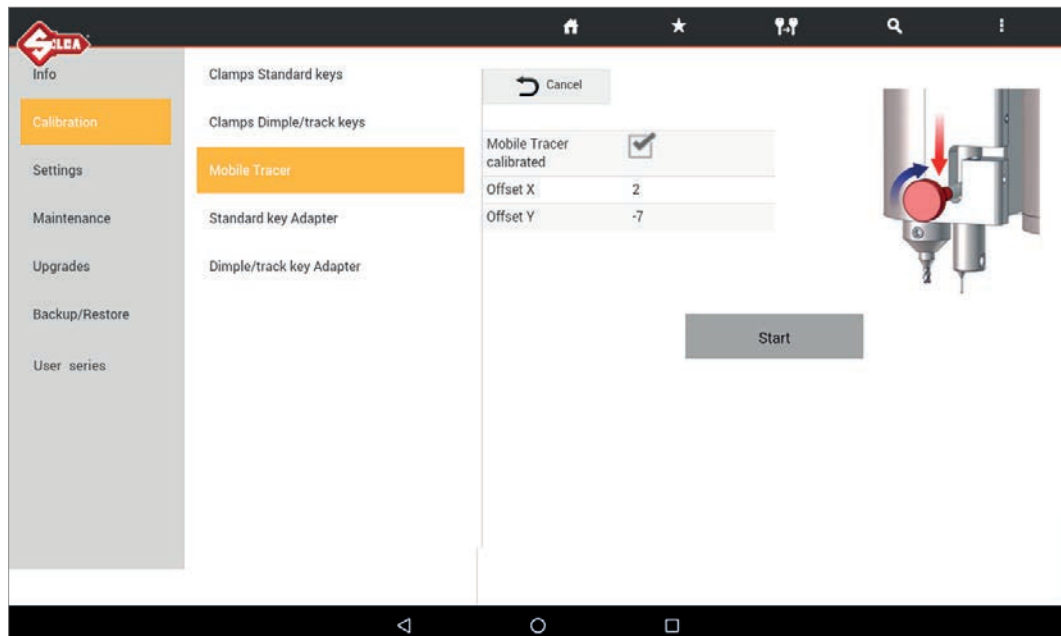
Negative value of Z: raises the cut from the axis.

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

Tap “Save” to confirm.

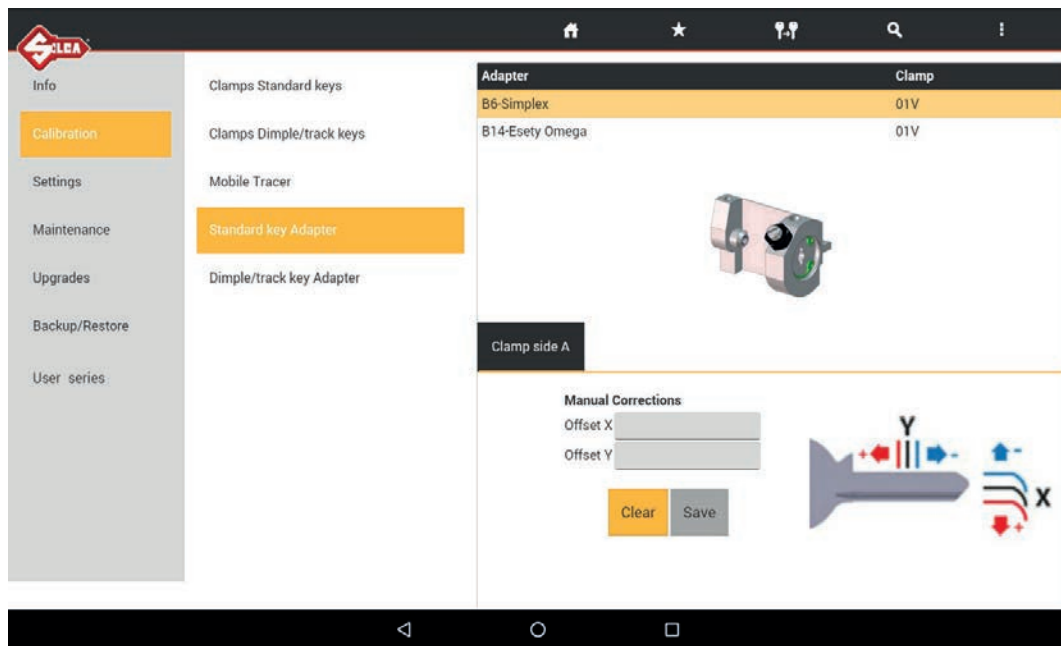
8.2.3 MOBILE TRACER 01T calibration

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.

8.2.4 STANDARD key Adapter calibration



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

Positive value of Y: takes cut closer to stop.

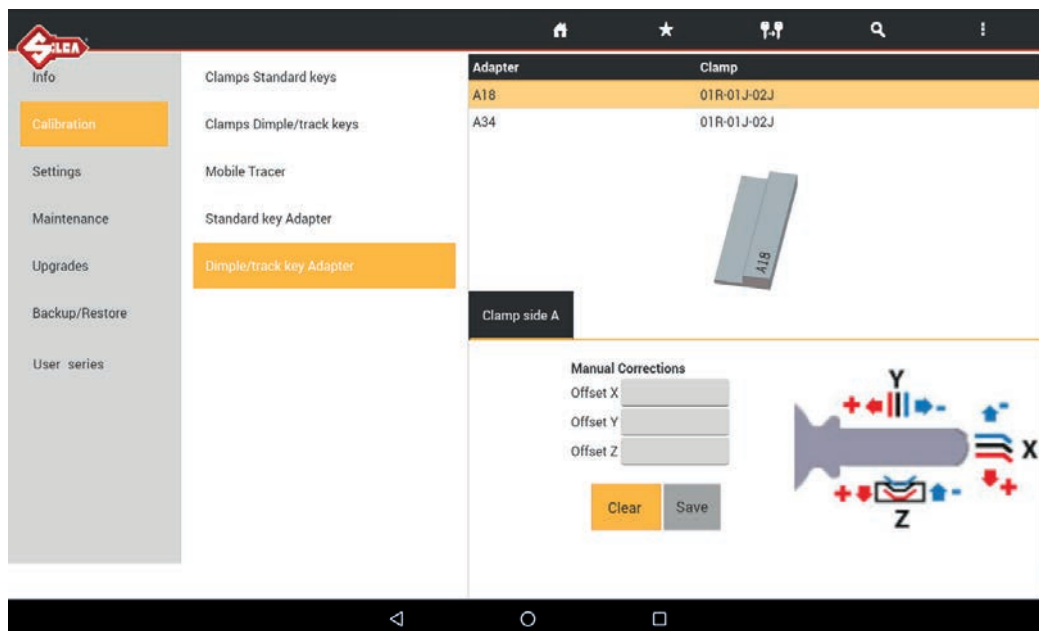
Negative value of Y: takes cut away from stop.

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.

8.2.5 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.

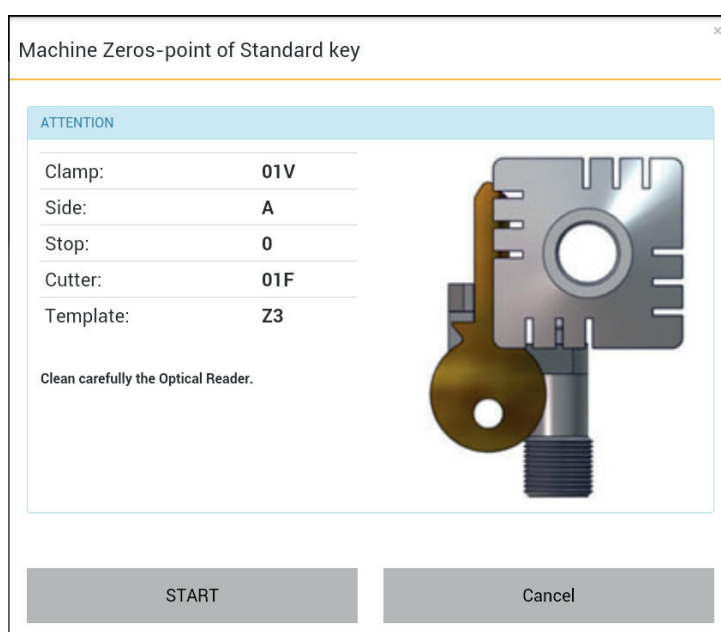
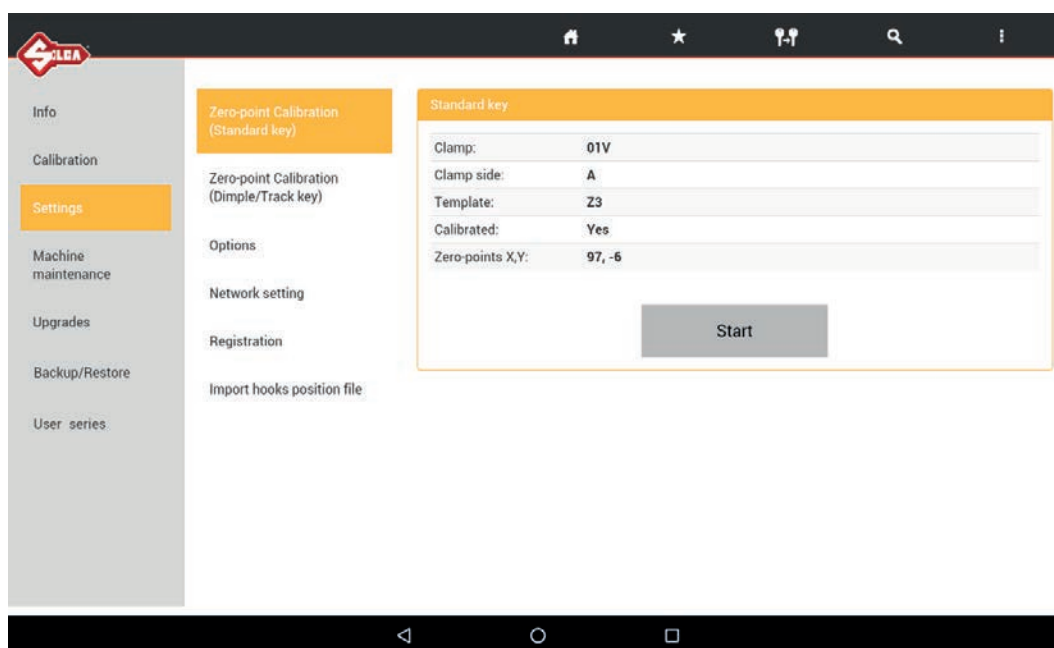
8.3 SETTINGS

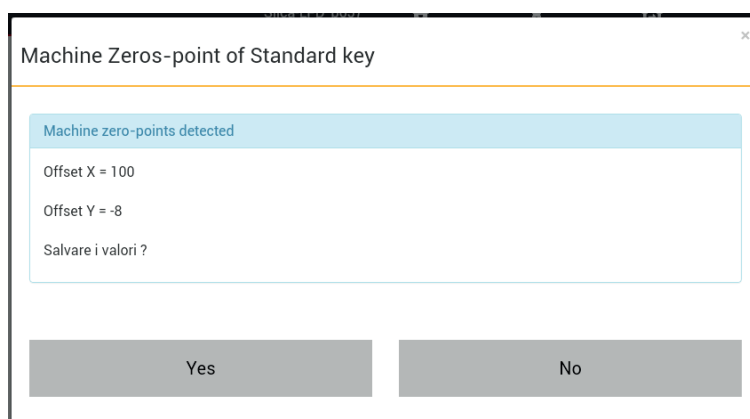
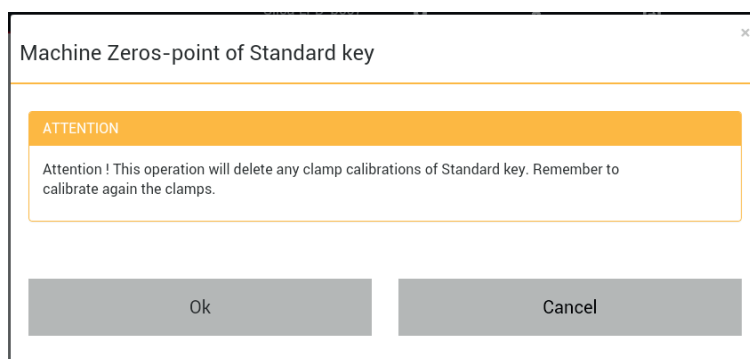
The Settings menu contains:

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

8.3.1 Zero-point Calibration (STANDARD key)

Tap START and follow the instructions on the screen.





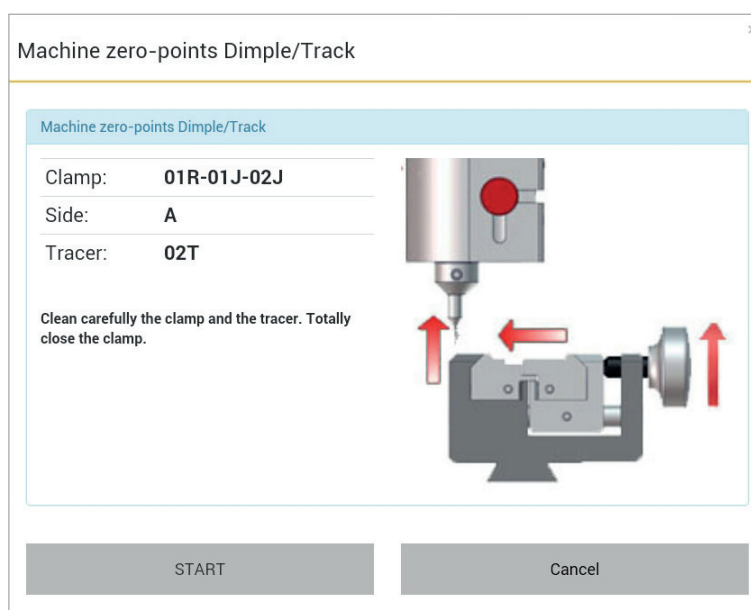
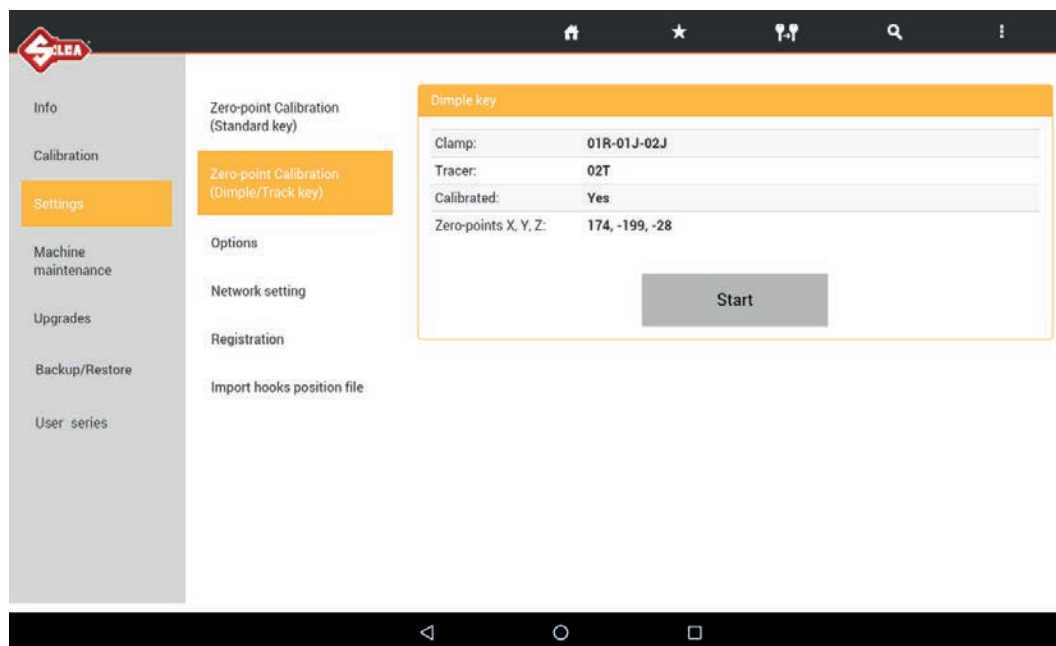
At the end of the operation you are required to save the data entered.
Tap "Yes" to confirm.

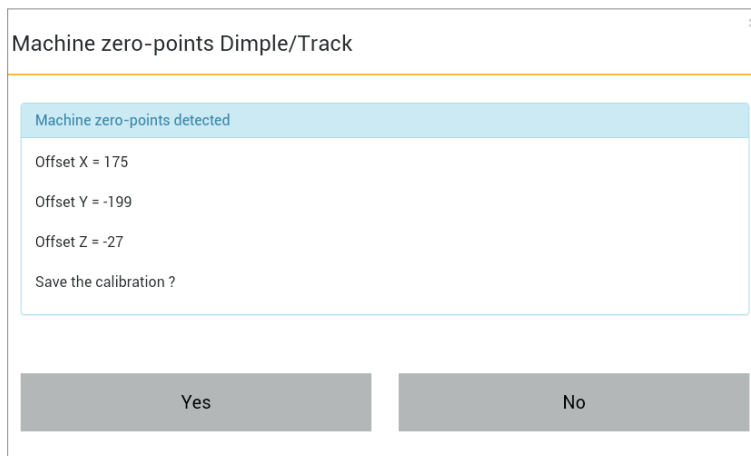
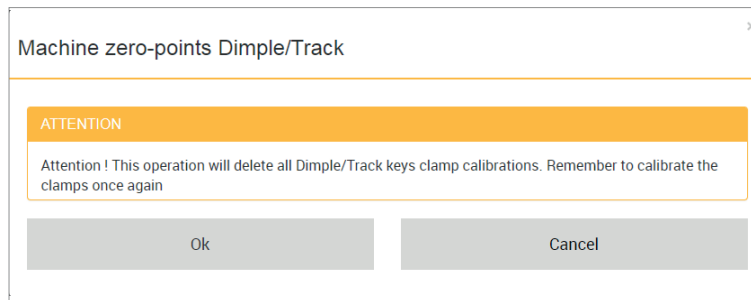
8.3.2 Zero-point Calibration (DIMPLE/TRACK key)

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.

8.3.3 Options

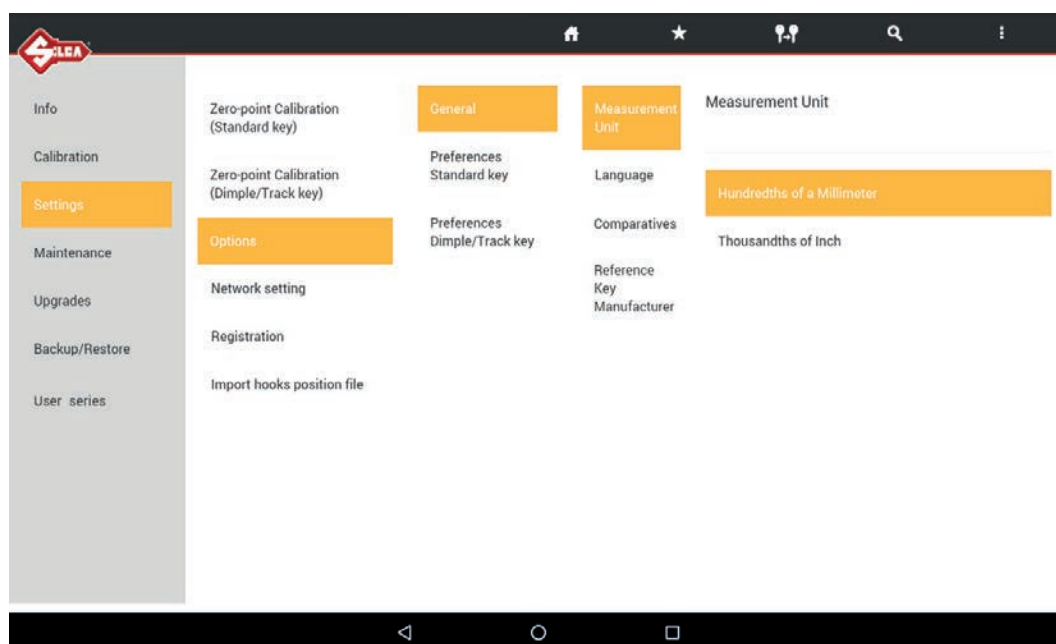
The Options menu contains:

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

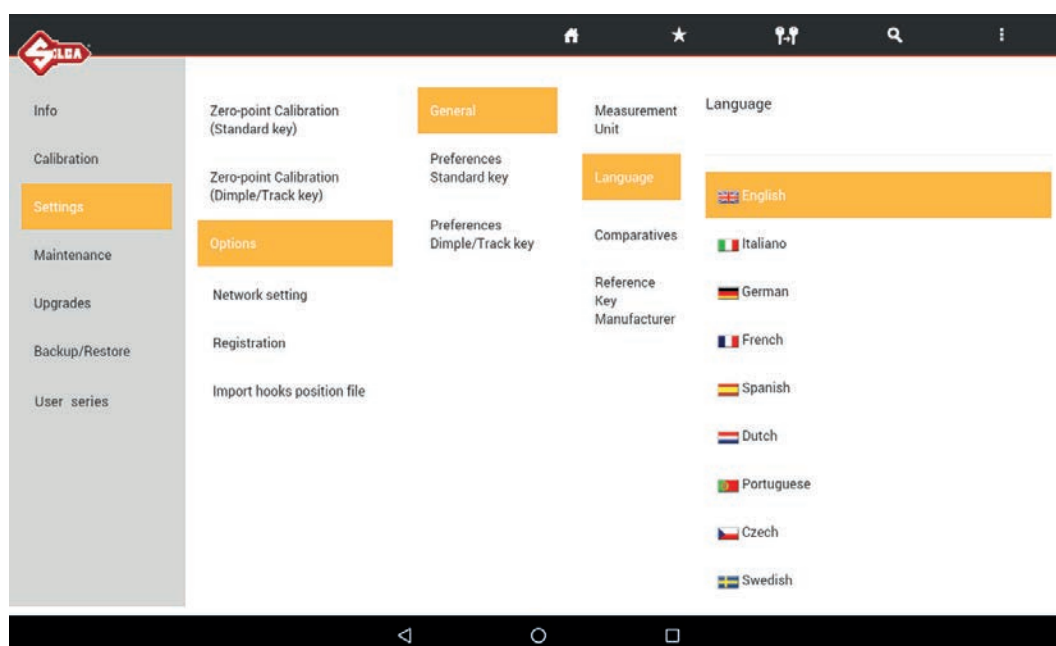
8.3.3.a General

The following parameters can be modified:

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

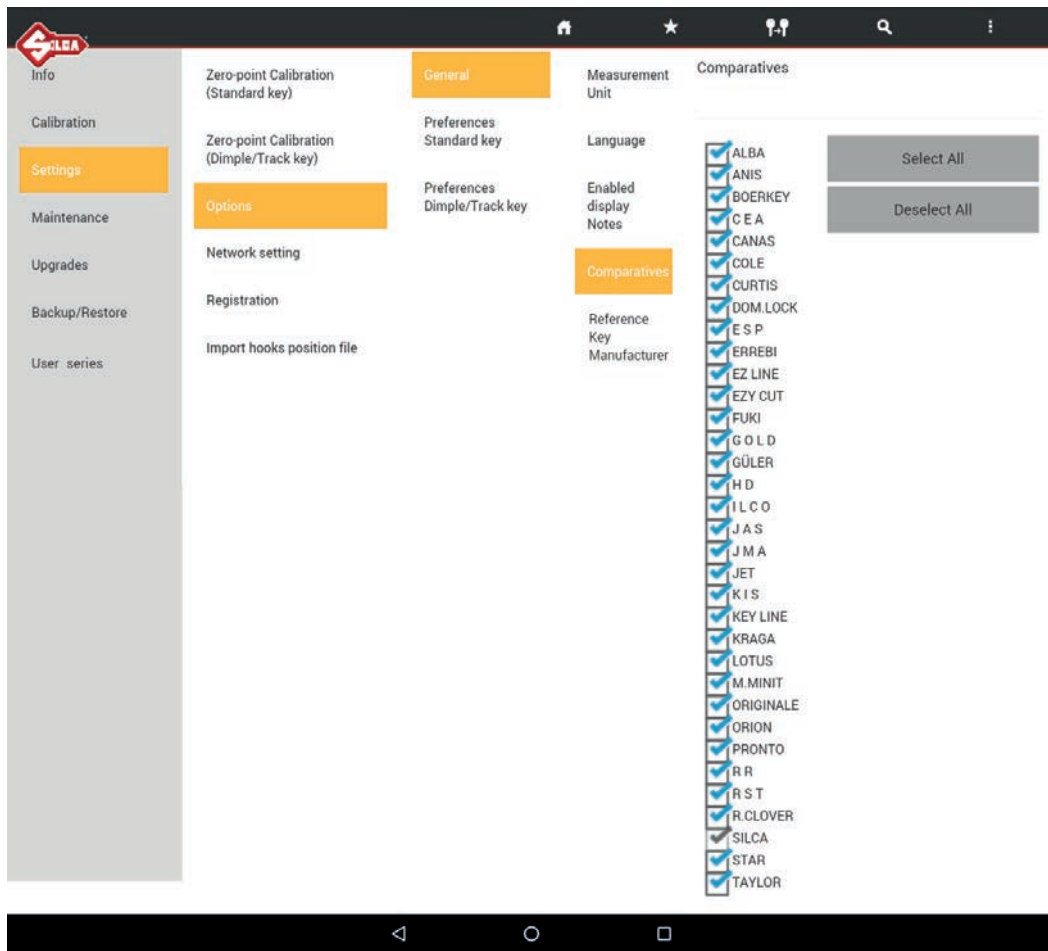


- **Language**



- **Comparatives** (comparative brands to visualize for key research)

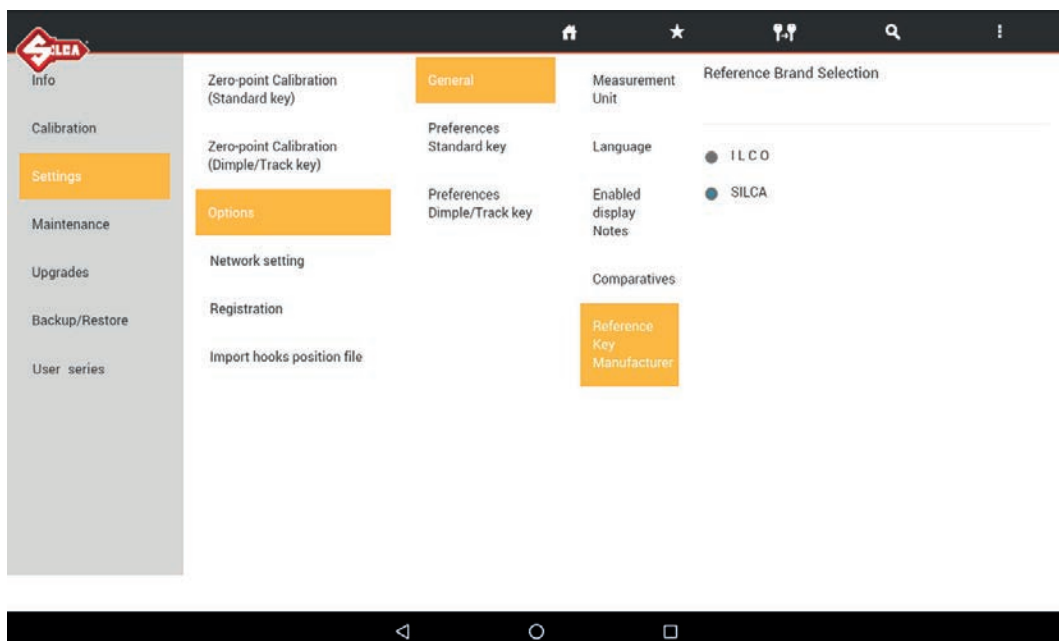
It's possible to pick and/or unpick brands that can be seen after a research of comparatives articles.
In the comparative list Silca is activated by default.



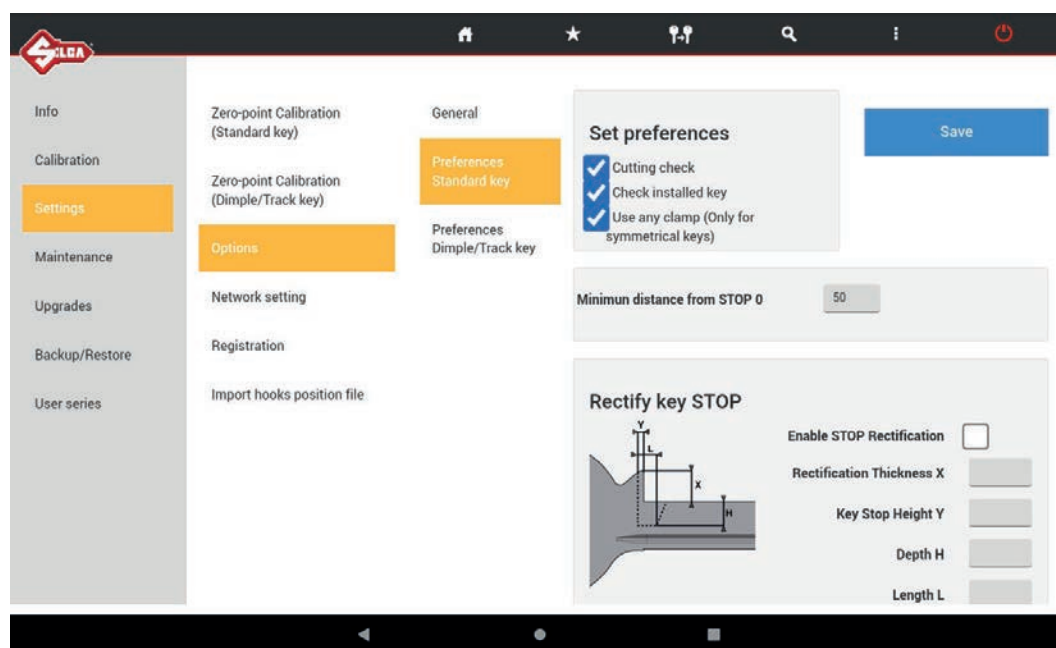
- **Reference Key Manufacturer**

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)



8.3.3.b Preferences STANDARD key



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.

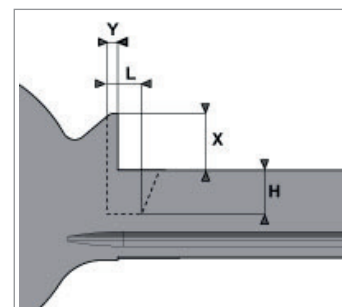
ATTENTION: option valid for CUTTING only (NOT DECODING).

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

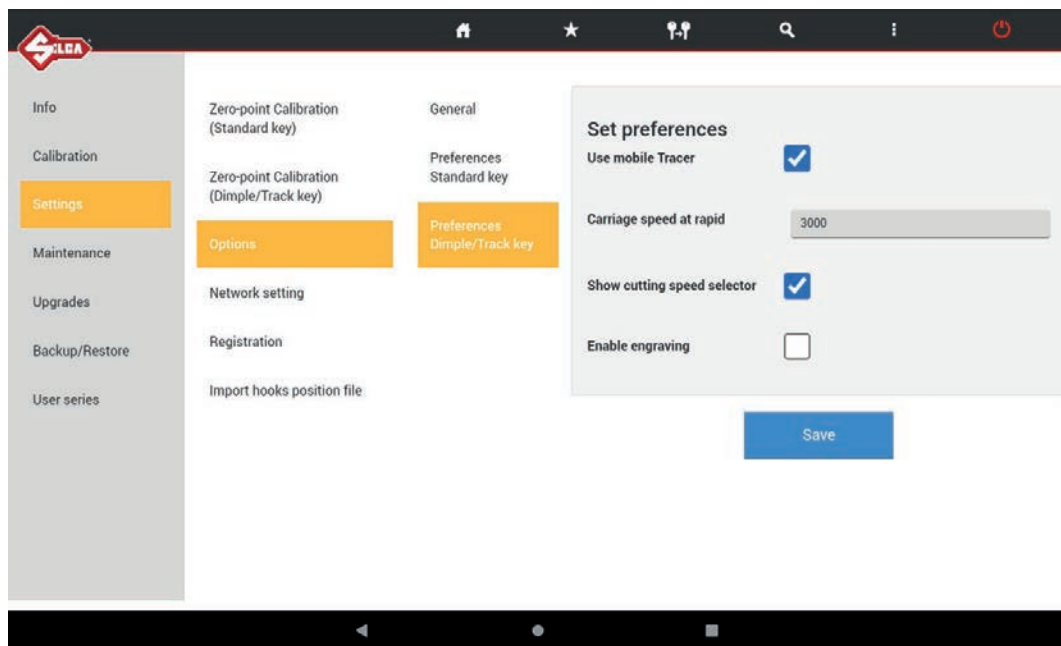
Minimum distance from stop: the range [50-90] (hundredths of a millimeter); 197-354 thousandths of an Inch)

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

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



8.3.3.c Preferences DIMPLE/TRACK key

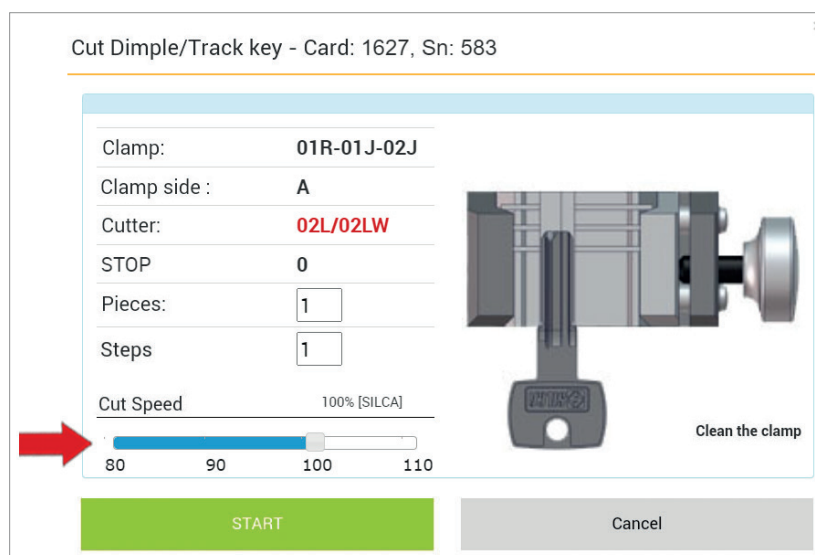


Set preferences: used to enable or disable the use of the 01T mobile tracer. If the field is not selected the 02T tracer is required, to be fitted into the shaft for the decoding operations.

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

Show cutting speed selector: the user can alter the parameters for carriage advancement speed. The default value is 100%.

- 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).



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

8.3.4 USE

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

- 1) **DIRECT CONNECTION** 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) **WI-FI-CONNECTION** (to connect the machine to the internet)

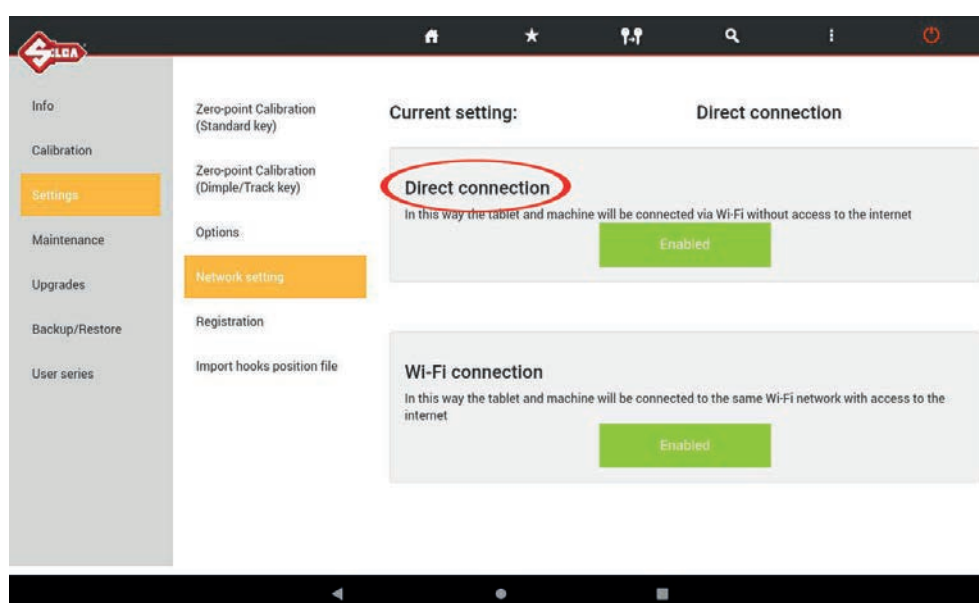
MODE	ACCESS TO INTERNET	TABLET - MACHINE Connection 	Recommended
DIRECT CONNECTION	NO	Wi-Fi	YES
ETHERNET with connection to LAN	YES via CABLE	Wi-Fi	YES
TETHERING USB	NO	USB cable	YES
WI-FI-CONNECTION	YES via Wi-Fi	Wi-Fi	YES

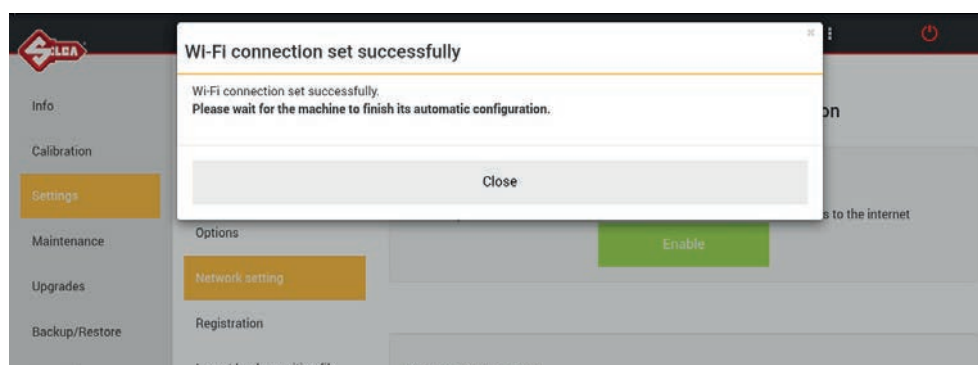
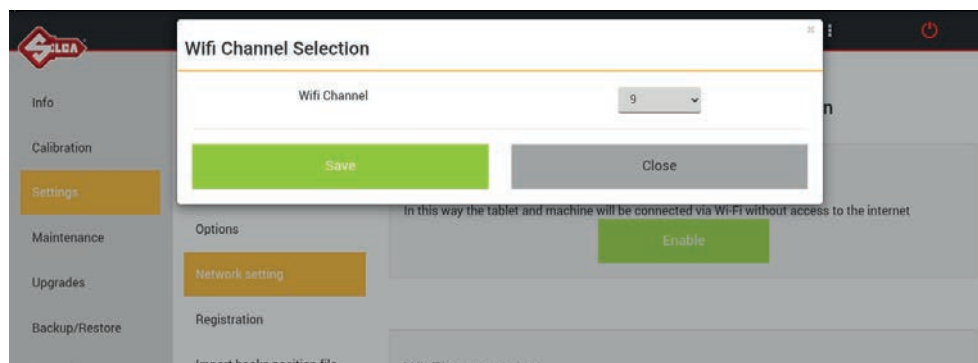
8.3.4.a DIRECT CONNECTION mode (Wi-Fi connection between machine and Tablet)

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



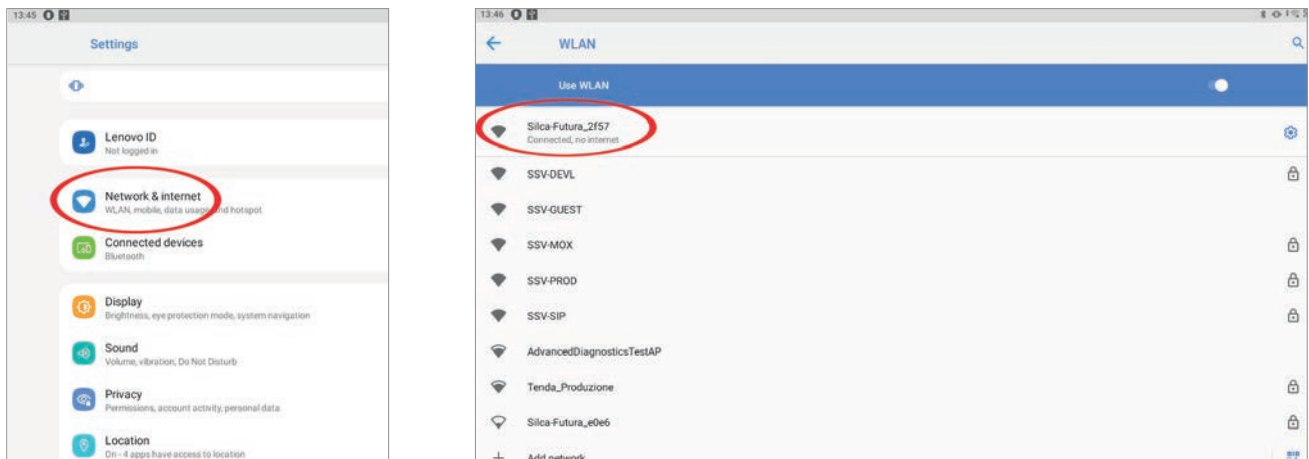
Fig. 11



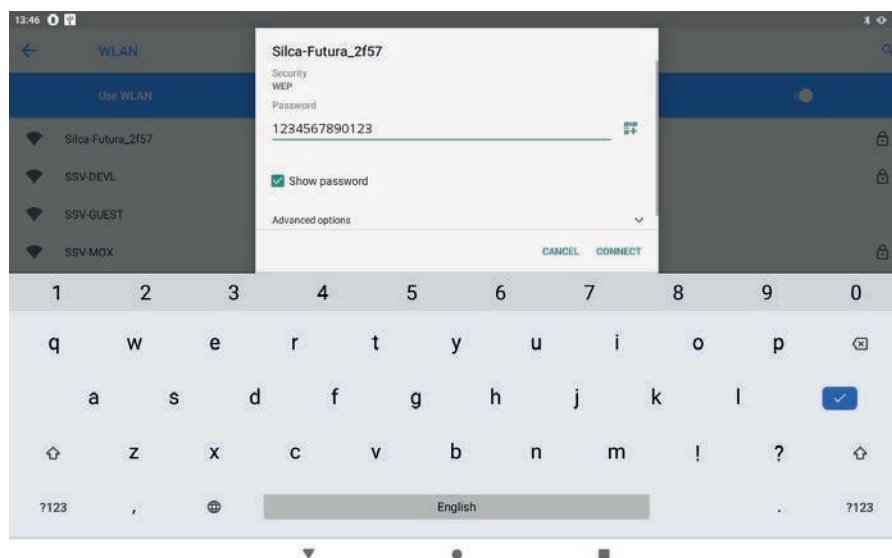


When the machine and Tablet are switched on the connection automatically activates in around two minutes; if not, check the Wi-Fi connection from your Tablet to see if the machine is included in the Wi-Fi (WLAN) networks that are found; the machine will appear as **Silca-Futura_....**





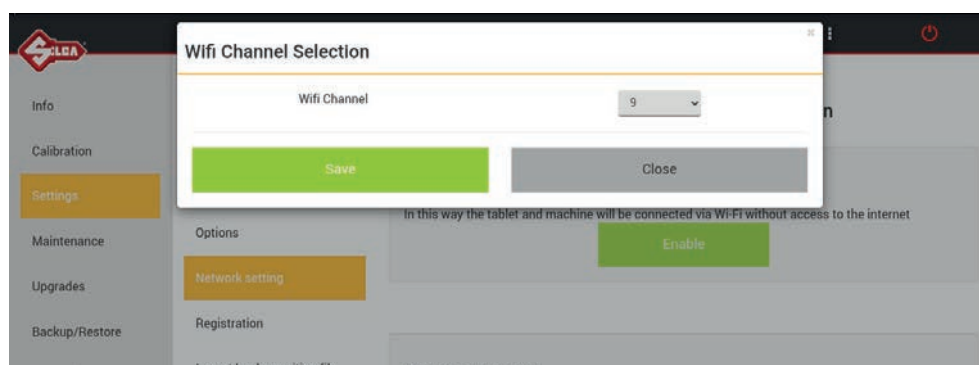
If it is not connected pick “Silca-Futura_...” and input the password which correspond to the machine serial number (made up of 13 numbers).



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.



8.3.4.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 DIRECT CONNECTION and connect the tablet in Wi-Fi to the machine (factory configuration).
- Connect your LAN ethernet cable to the machine (Fig. 12).

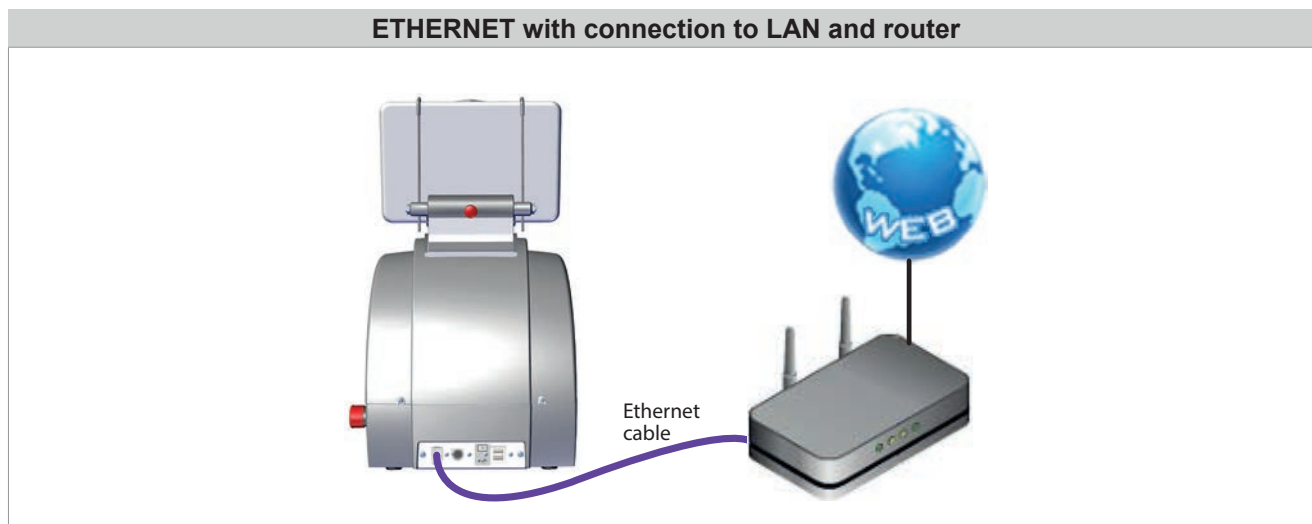


Fig. 12

8.3.4.c TETHERING USB mode - PERMANENTLY ENABLED USB TETHERING

• USB TETHERING

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 USB cable is connected to the Tablet and machine (Fig. 13).

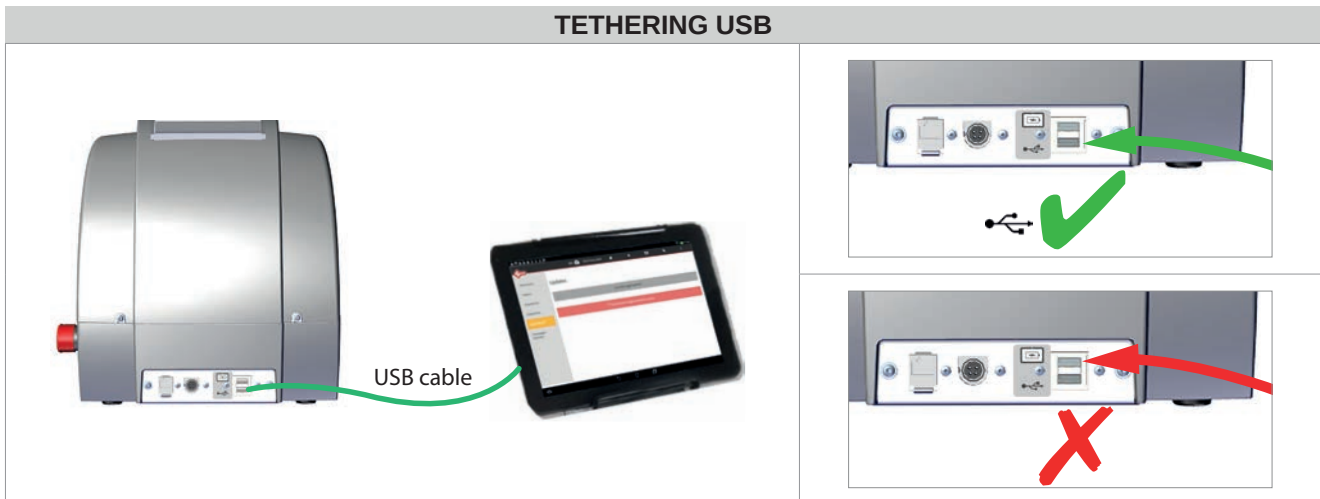
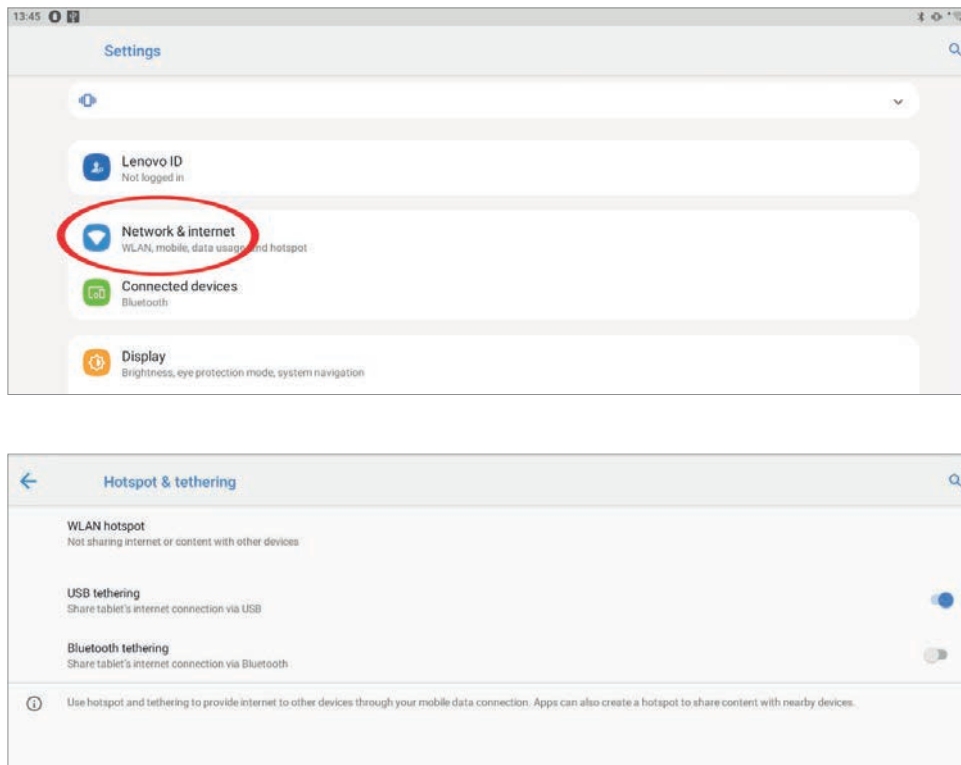


Fig. 13

1) Connect the USB cable to the machine and Tablet (Fig. 13). **Note: FUTURA has one USB port only.**



- 2) Access "Settings"  on the Tablet.
- 3) Disable the Wi-Fi (WLAN).
- 4) In the Tablet "Settings" tap the "NETWORK & INTERNET" icon and select the item "Hotspot & Tethering".



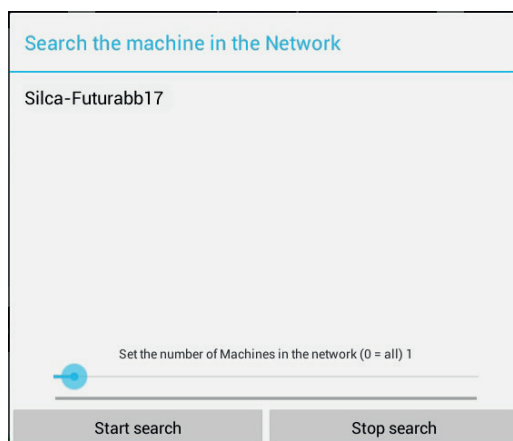
5) Tick “USB Tethering” or select “ON” to enable.

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

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



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



Go directly to **USB TETHERING** by selecting the item in the drop-down menu (available on APP version 2.5).



- **PERMANENT USB TETHERING**

USB TETHERING can be enabled permanently from Android version 9.0 or later. Follow the instructions in Ch.13 CHANGING TABLETS.

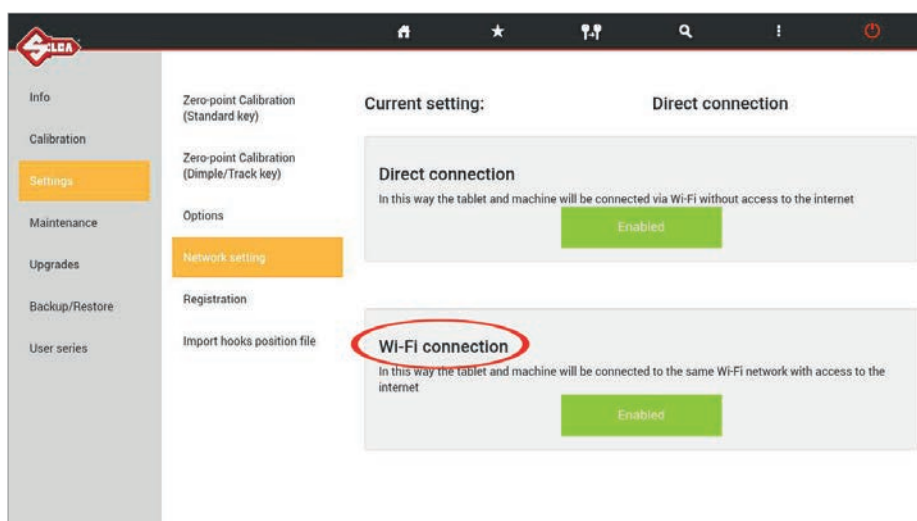
8.3.4.d WI-FI CONNECTION mode

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 8.3.4.b as it performs better.



Fig. 14

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



Perform the following operations to activate this method:

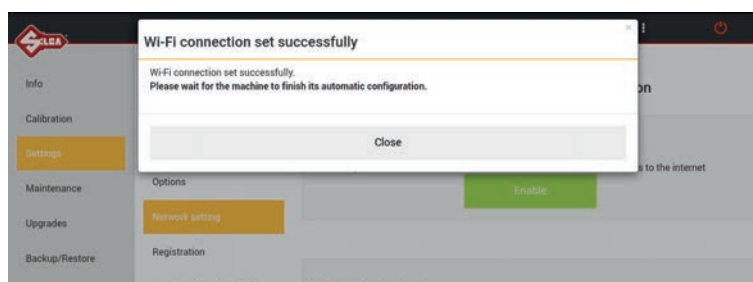
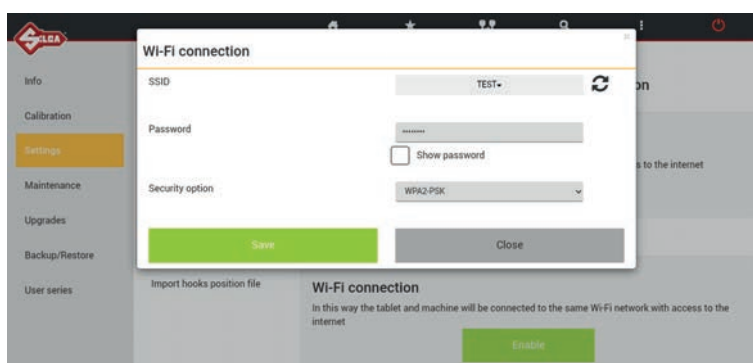
FUTURA / FUTURA PRO CONNECTION TO A WI-FI ROUTER

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

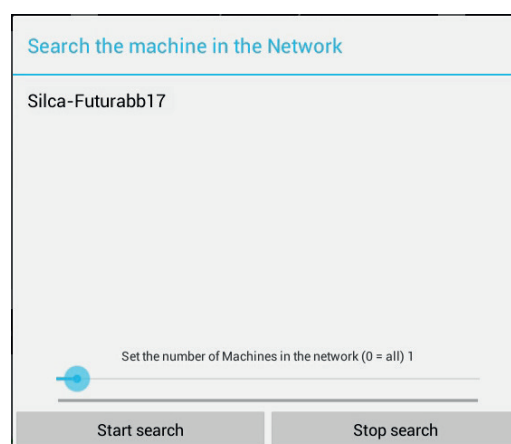
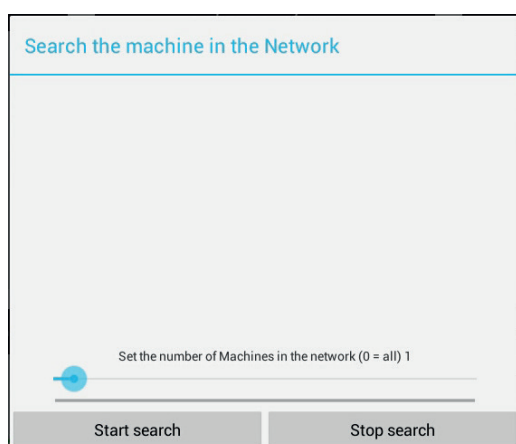
Tap "Save" to reboot the machine in WI-FI-CONNECTION. The machine should initially reboot with a flashing white and blue light, to then end with two flashing blue lights that indicate the connection to the local network was successful.

Configuration is automatic and requires approximately one minute. **Attention: wait for the machine to reboot automatically.**

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



During automatic configuration, the machine reboots and connects Tablet and machine to the same router network. Will appear:



8.3.5 Registration

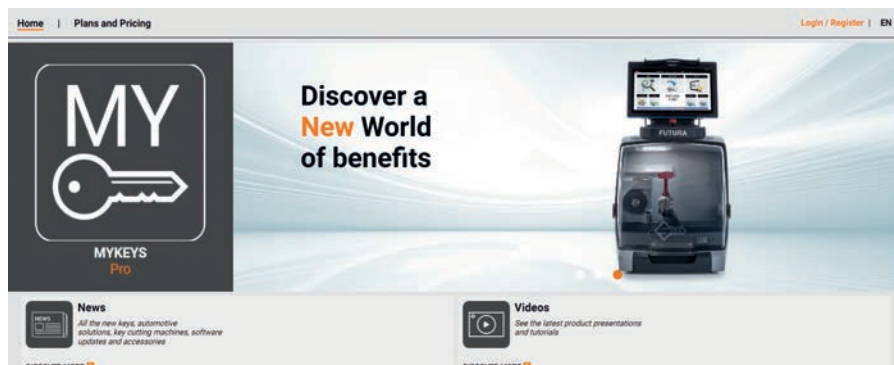
When a machine is registered, the data are shown on the screen:

The screenshot shows the Futura software interface. On the left is a sidebar menu with options: Info, Calibration, Settings (highlighted), Maintenance, Upgrades, Backup/Restore, and User series. The main area is divided into two columns. The left column contains 'Zero-point Calibration (Standard key)', 'Zero-point Calibration (Dimple/Track key)', 'Options', 'Network setting', 'Registration' (highlighted), and 'Import hooks position file'. The right column is titled 'Registration' and displays 'Machine registered' in green. Below this, a form shows the following data: Serial Number (1234567890123), Company* (Shop), Last Name, First Name, Address (test), City* (test), Country* (AT), and Email* (xxxxxx@gmail.com).

The screen below appears if the machine has not been registered:

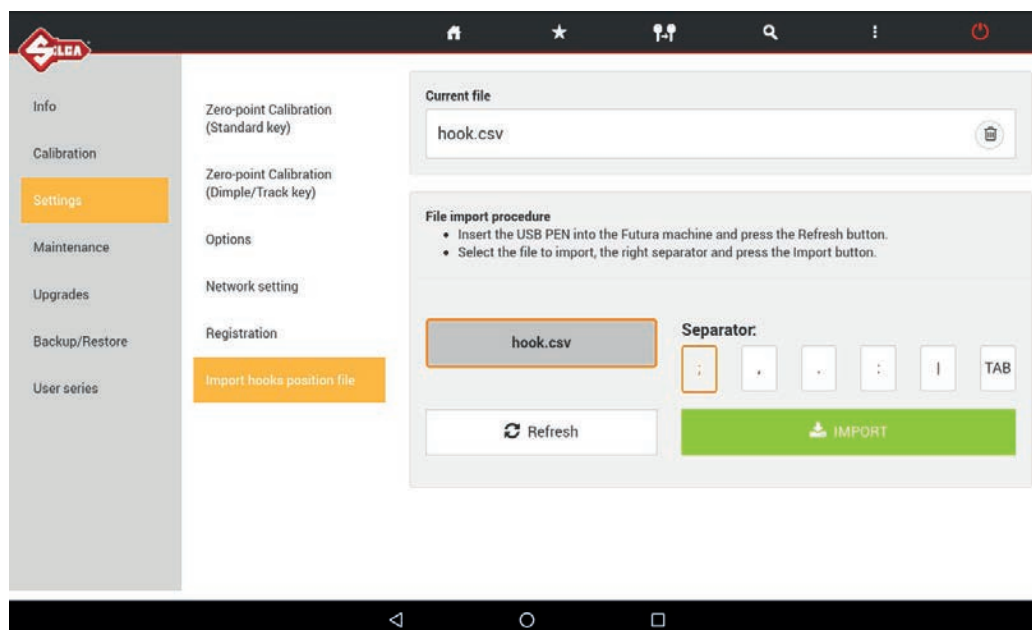
The screenshot shows the Futura software interface with the 'Registration' option highlighted in the sidebar. The main area shows instructions: 'Access any browser from your PC or Tablet and enter the following address: https://www.silcawebsw.biz/futura/reg/index.html'. Below the text is a large blue button labeled 'Register'.

To register a machine, see Ch.9 MACHINE UPDATE and REGISTRATION.



8.3.6 IMPORT HOOKS POSITION FILE

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



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

AGB5 ; A501

AGB8 ; A502

CS204 ; B600

CS206 ; B601

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

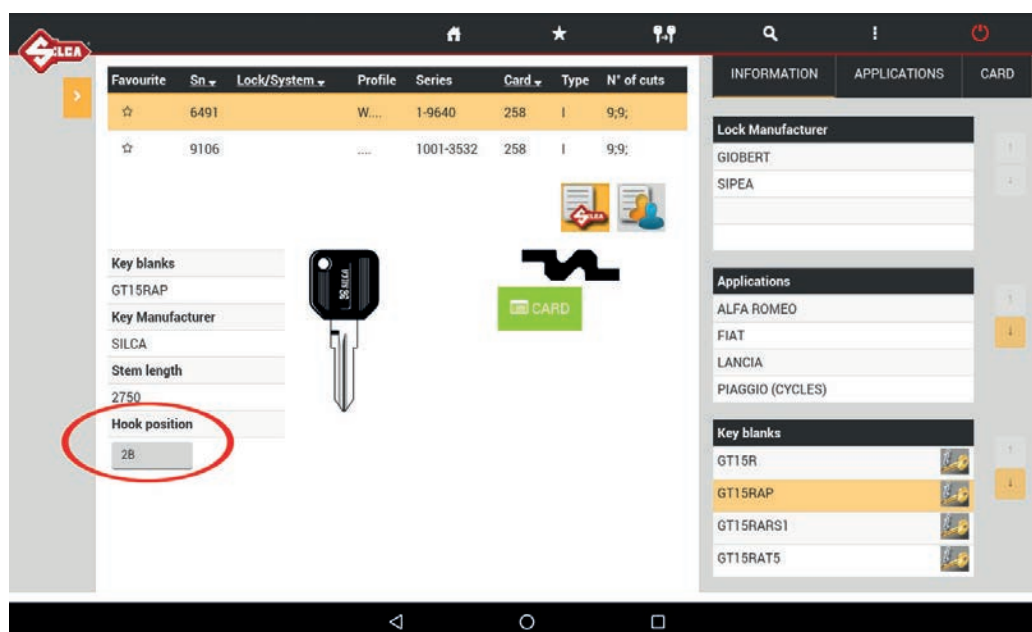


Fig. 15

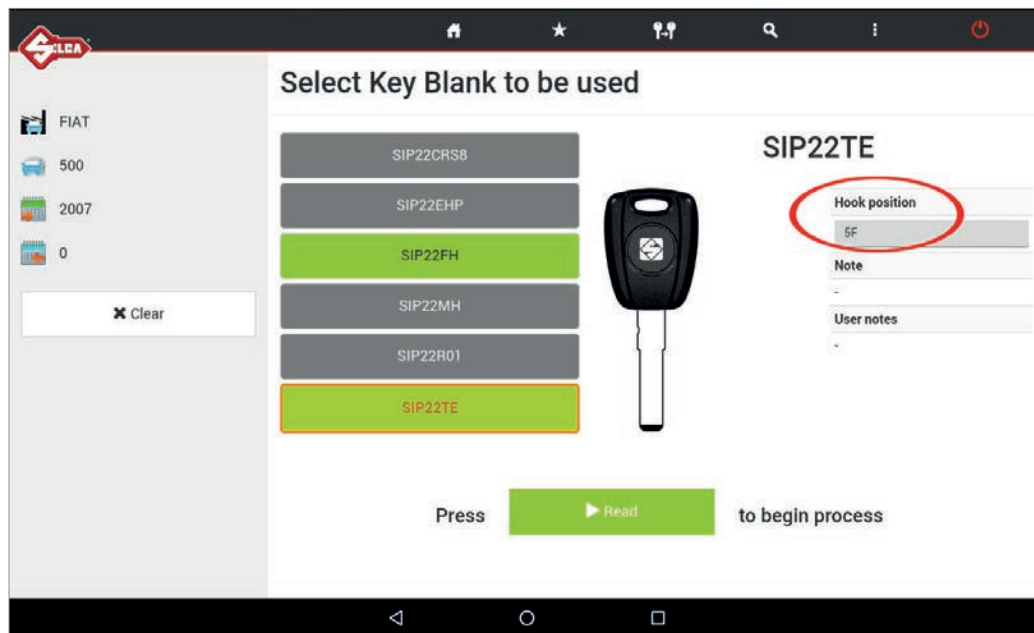


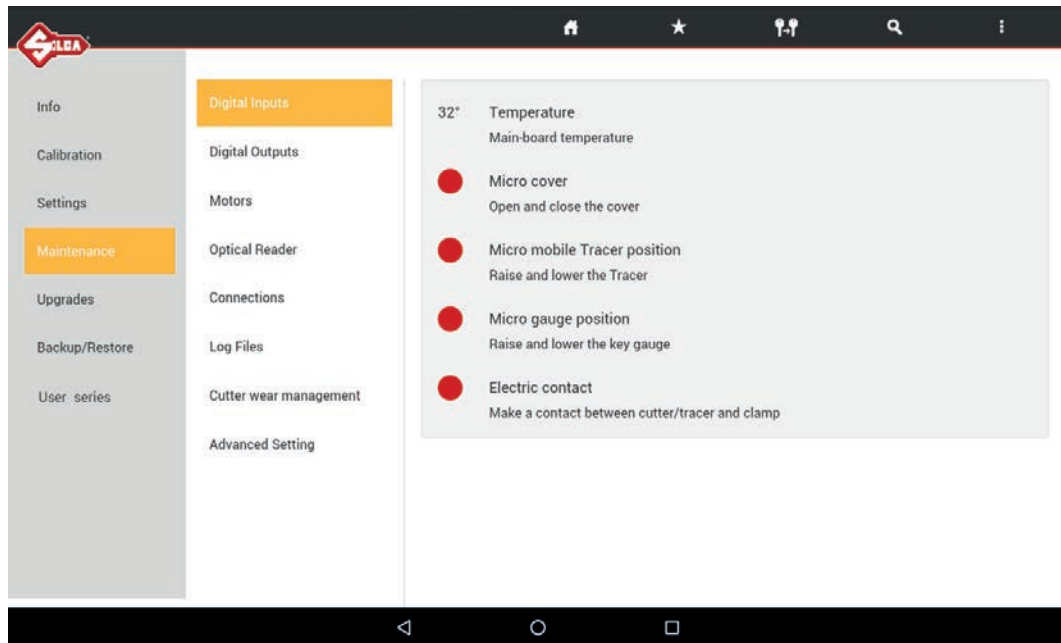
Fig. 16

8.4 MACHINE MAINTENANCE

• Digital Inputs

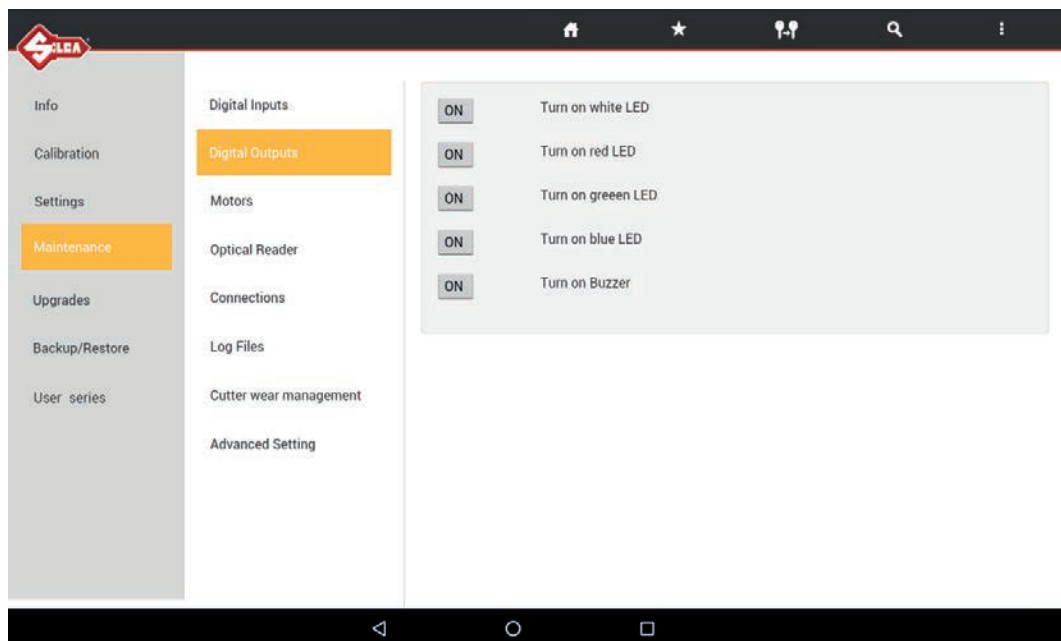
This function is used to test operation of the digital inputs on the electronic board to which they are connected: screen micro, gauge position sensor, electrical contact, etc.

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.

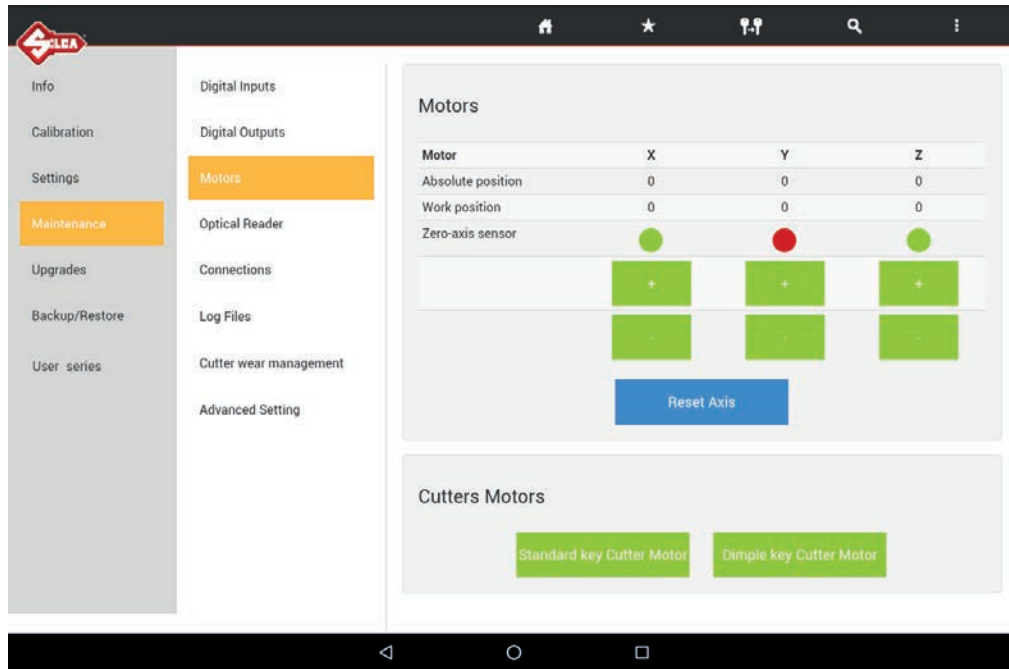
The Reset key homes the axes.

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

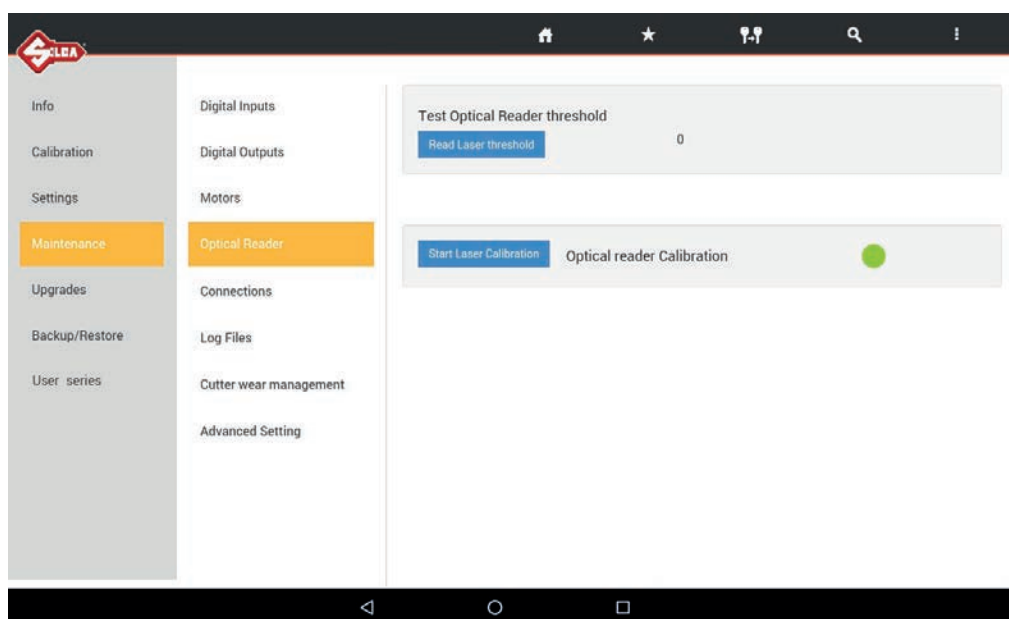
To perform the test tap the button for the motor to be tested: check that the cutter turns for 5 seconds.



• 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”.

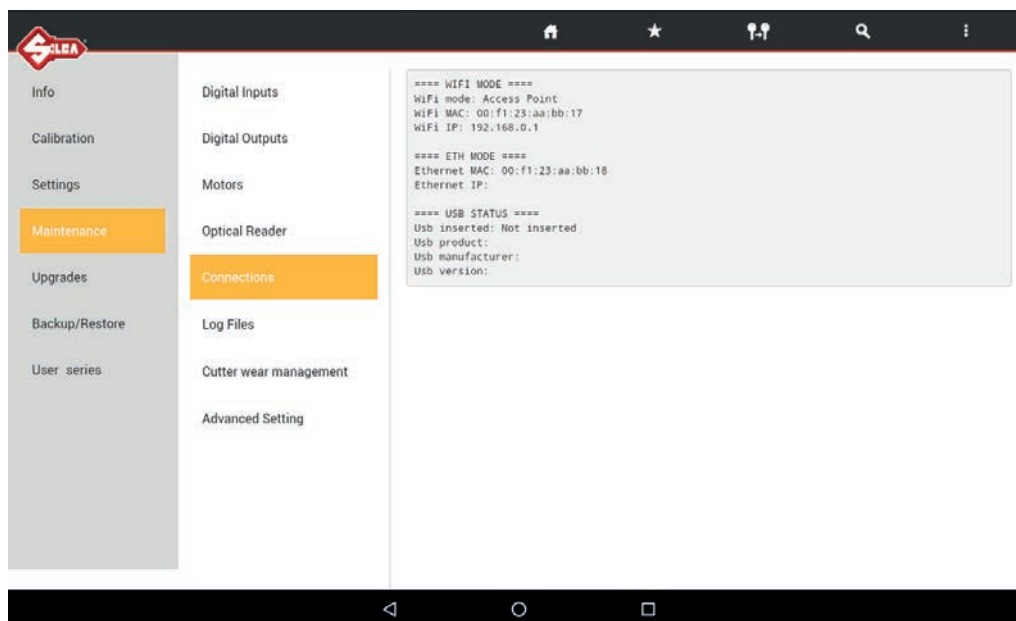


- Perform the Optical reader threshold test only if encountering anomalies when reading and/or decoding keys.
- Thoroughly clean the optical reader's glass, close the protective shield.
- Tap on "Optical reader calibration":
 - the green ball indicates that the optical reader is calibrated.
 - the red 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. 17). **Note: FUTURA has one USB port only.**
- or directly to Silca's Server (with the machine connected in WI-FI CONNECTION and/or LAN cable connection).

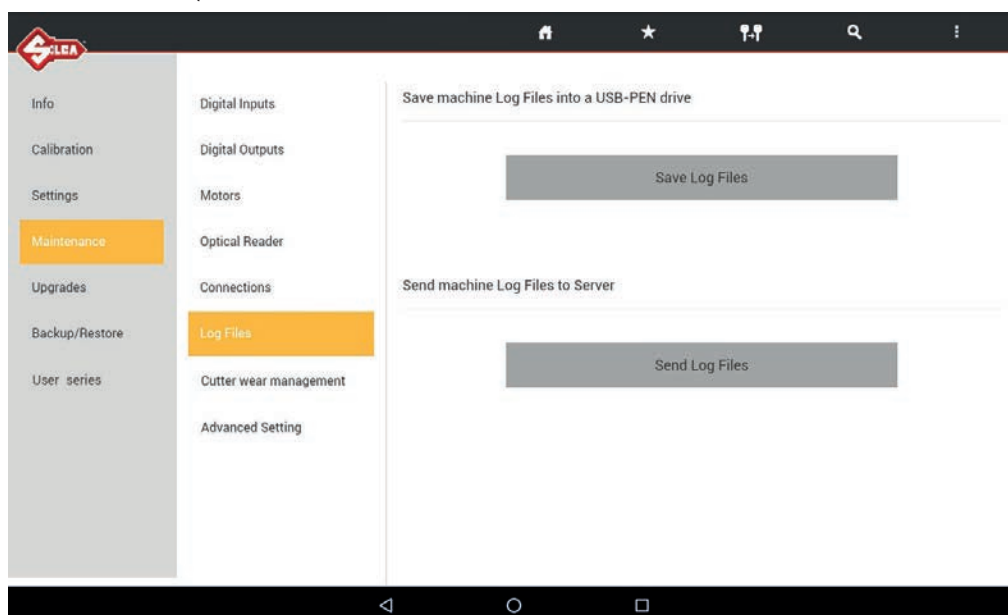




Fig. 17 - Futura PRO

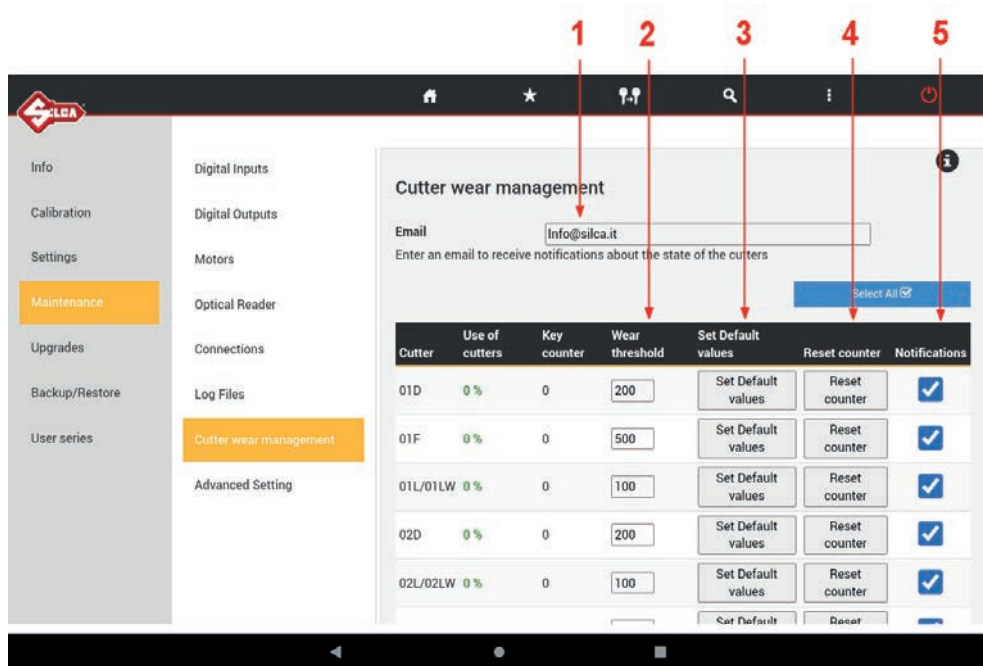
• Cutter wear management

The function for managing cutter wear calculates the degree of wear on all Futura/Futura Pro cutters by counting the number of keys that have been cut.

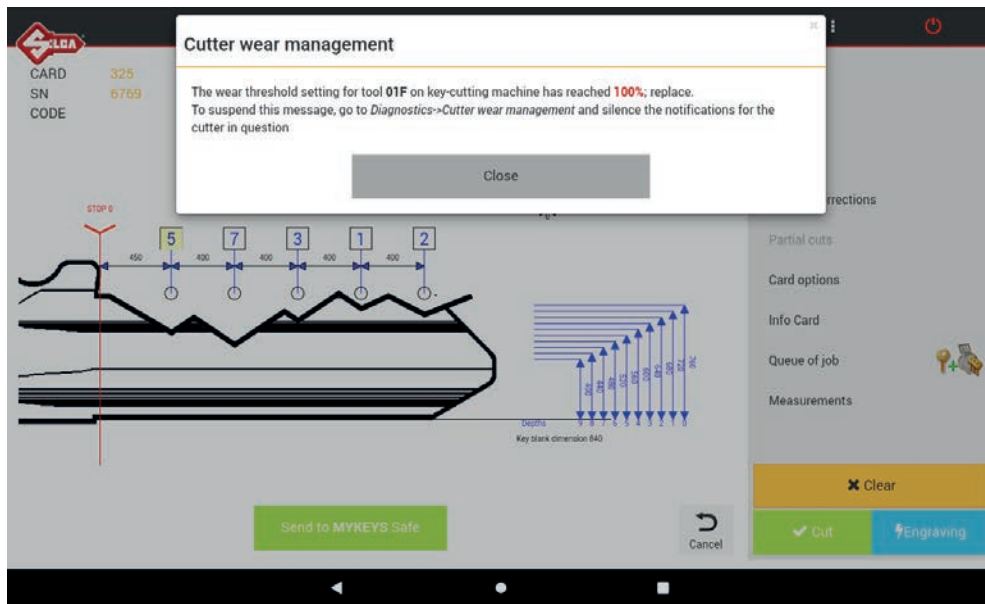
A threshold value can be set manually if required; the default value is purely indicative. On reaching 75%, 90% or 100% of the threshold value, the user receives a notification message and an e-mail reminder.

The material the key is made of may significantly condition the duration of a cutter.

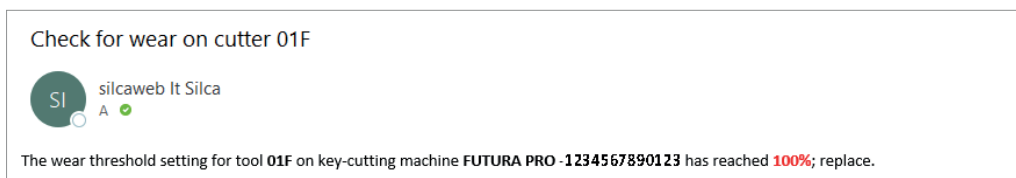
ATTENTION: make sure to use the CLEAR COUNT key to zero the counting function when the cutter is replaced.



- 1 - Email: enter e-mail address at which to receive notifications
- 2 - Wear threshold: edit the value according to the material involved
- 3 - Set Default values: clears wear threshold
- 4 - Reset counter: zeros key counter
- 5 - Notifications: tick box to receive notification e-mails

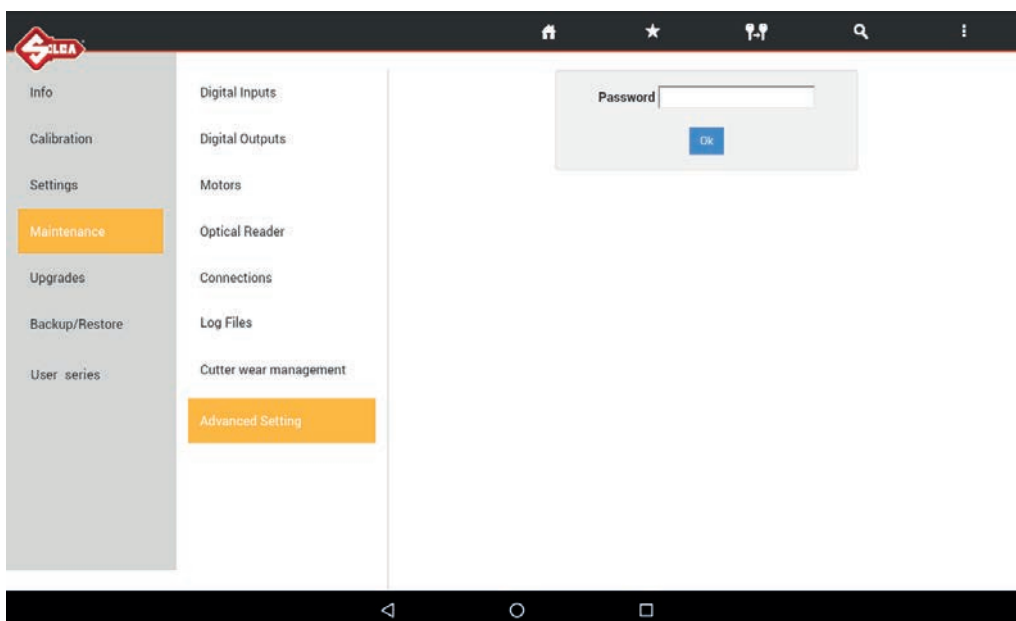


When the cutter wear threshold of 75% - 90% - 100% has been reached, the operator is advised by a pop-up message and an e-mail notification (if the function for receiving notifications has been enabled).



• Advanced Setting

Function for Silca internal use.

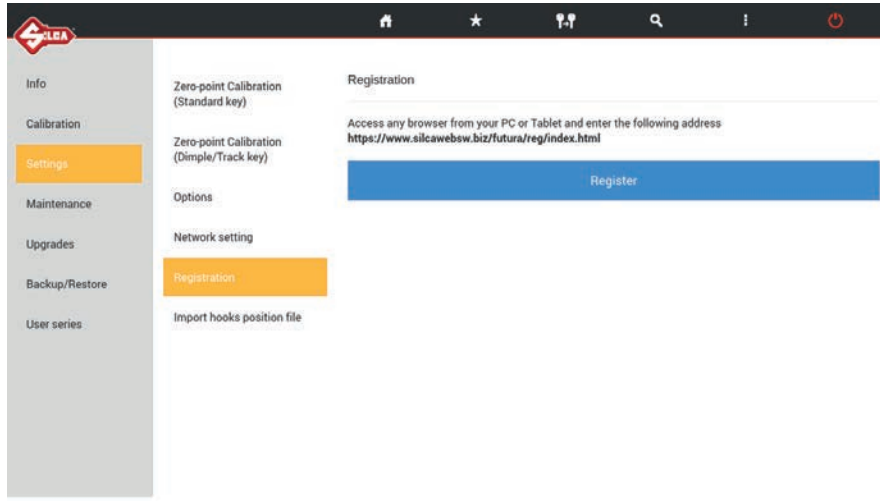


9 MACHINE UPDATE AND REGISTRATION

9.1 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 MY KEYS PRO.COM.



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

There are **4** ways to register:

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

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

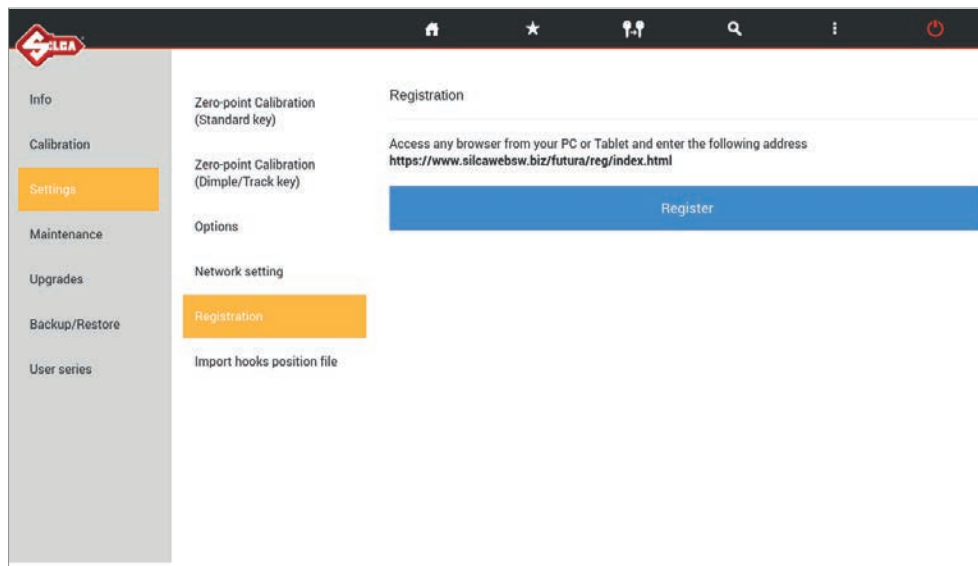
Method 3: Using the Silca Remote Service (SRS) program

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

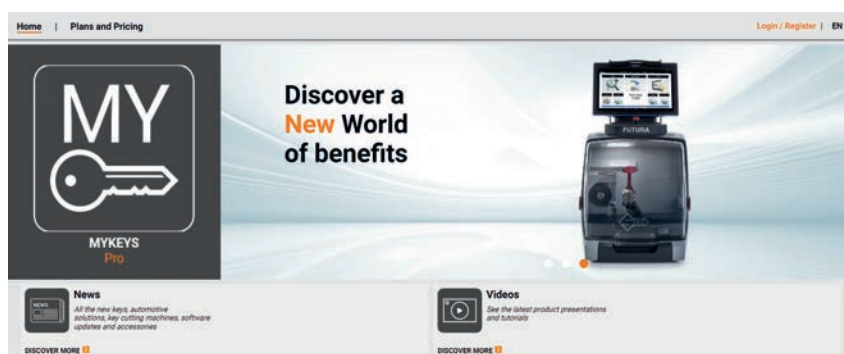
Method 1

Futura / Futura Pro machine with access to the Internet

- Start the FUTURA program; tap the icon OPTIONS -> Settings -> Registration



Tap 'Register'. The operation will be re-directed to MYKEYS PRO.



Method 2

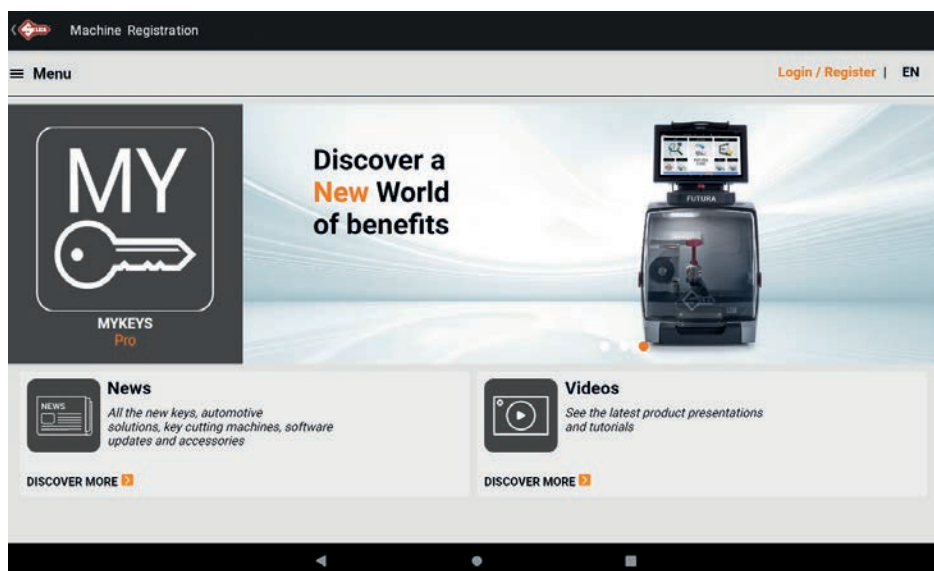
Futura / Futura Pro tablet with access to the internet

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 FUTURAAPP. Scroll from left to right to open the drop-down menu, as shown below.



Tap "Machine Registration".

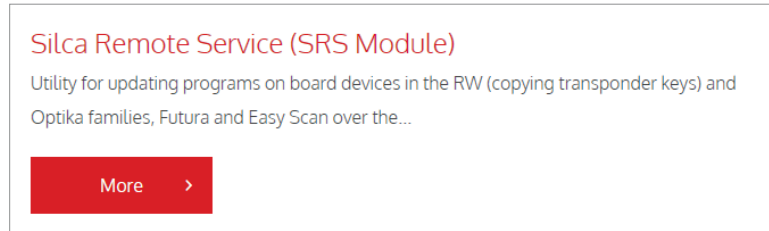


Method 3

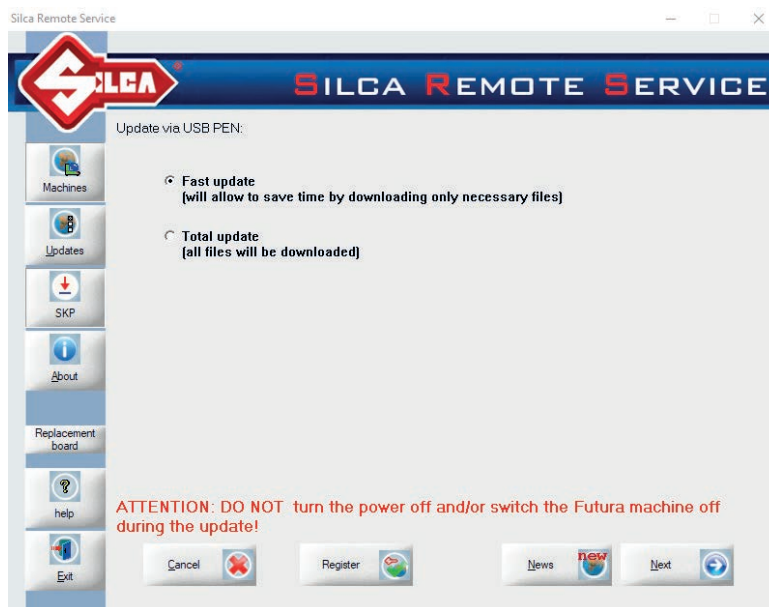
Using the Silca Remote Service (SRS) program

Futura / Futura Pro machine and Tablet connected in DIRECT CONNECTION mode

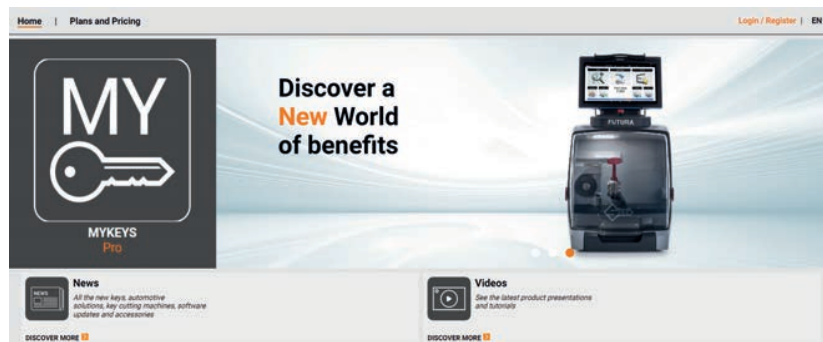
Install the “Silca Remote Service” program on your PC. The program can be downloaded from the Silca website www.silca.biz, by selecting the menu PRODUCTS & SOLUTIONS-> SILCA SOFTWARE -> SILCA REMOTE SERVICE (SRS).



- Start the program and select the Futura / Futura Pro machine model.



- Select the “Next” button and then “Register”: the operation will be re-directed to MYKEYS PRO.

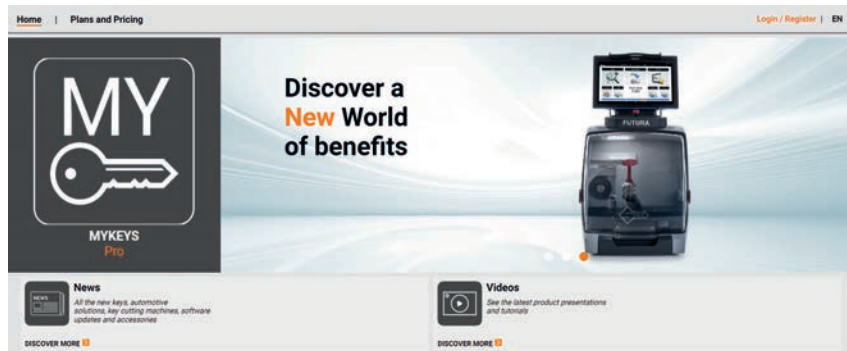


Method 4

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

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

MYKEYSPRO.COM



After creating an account on MYKEYS PRO, register the machine as follows:

9.2 MACHINE REGISTRATION WITH MYKEYS Pro

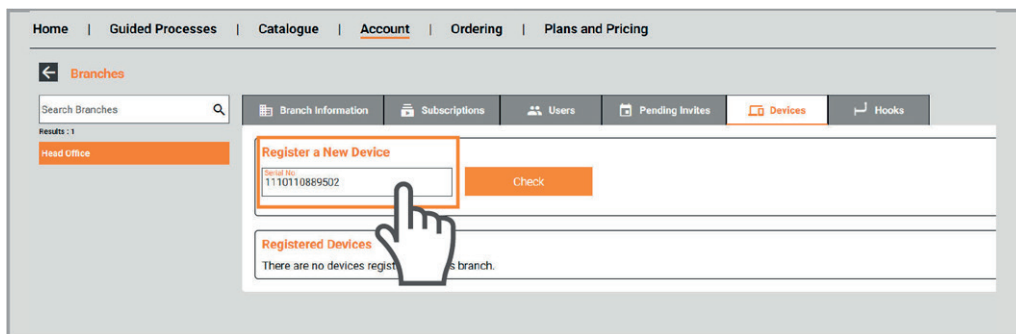
mykeyspro.com



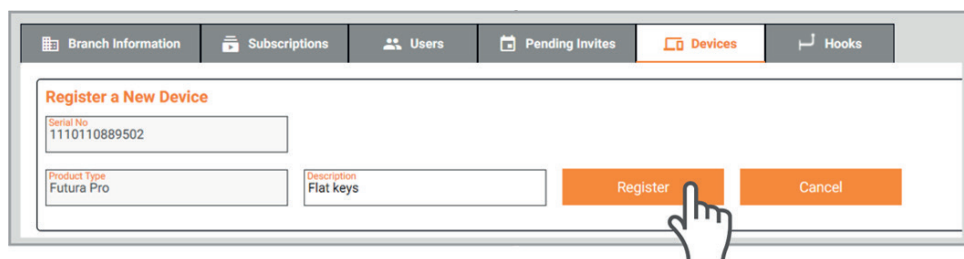
- 1) Select 'Profile' and then go to 'My Devices'.



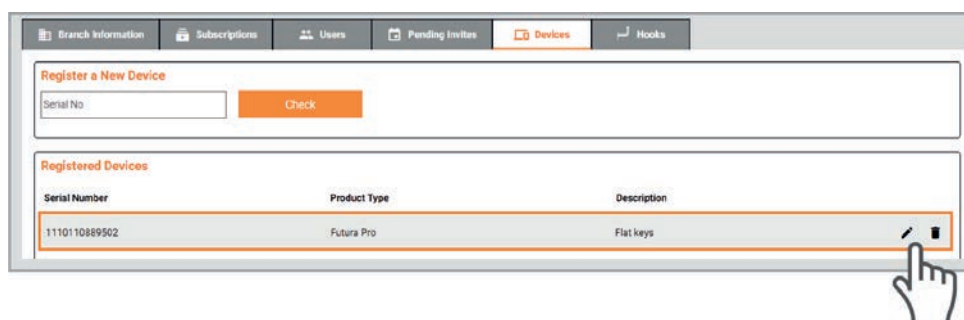
- 2) Enter the machine's 13-digit serial number. Tap 'Check' to confirm.



- 3) MYKEYS Pro recognises the machine automatically. Enter a description and select 'Register'.



- 4) Use the pen icon (bottom right) to edit the description or the trash can icon to remove machine registration.



9.3 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 WI-FI CONNECTION
- 4) Update by SRS (Silca Remote Service) program

9.3.1 Update by TABLET

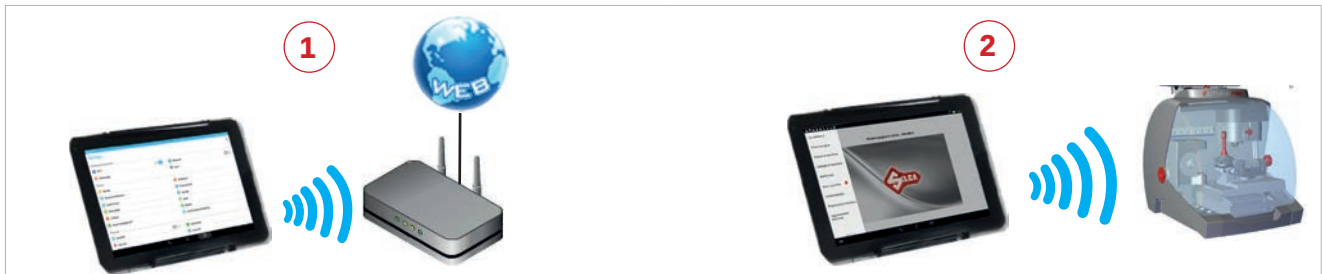


Fig. 18

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

- 1) Take the tablet to a place with a Wi-Fi network and internet connection and connect.
 - On the Tablet scroll from left to right to open the drop-down menu.
 - Tap "Update Futura"; the following screen will appear.

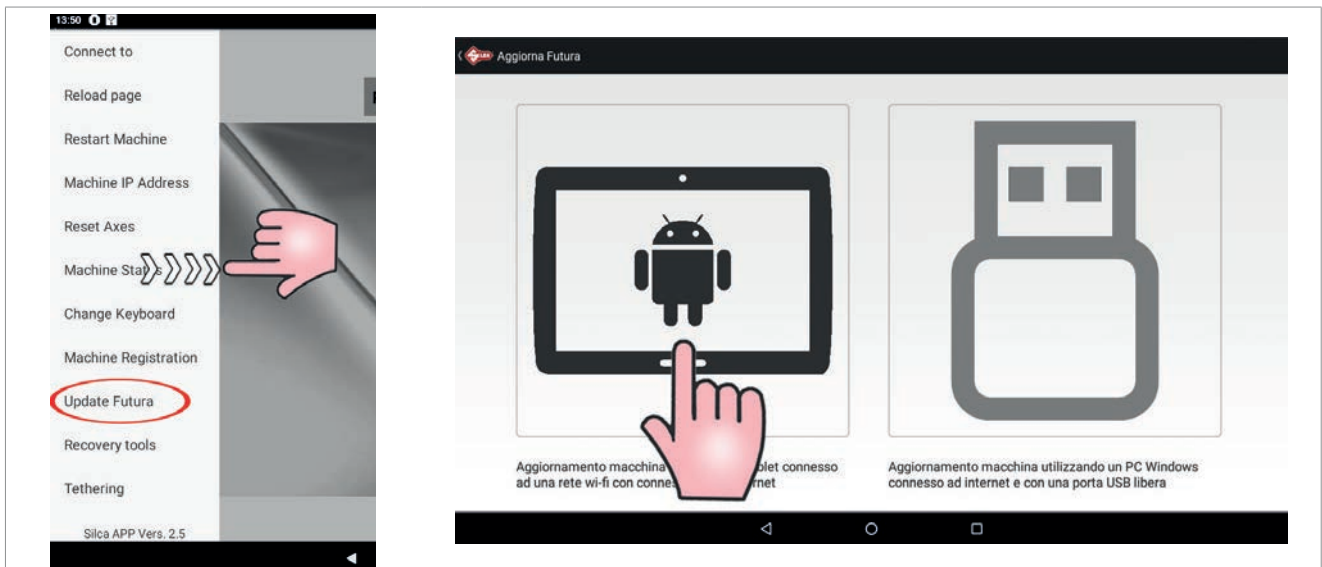


Fig. 19

- Click on the tablet image (Fig. 19) 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.

9.3.2 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 “Update Futura” from the drop-down menu and tap the USB PEN image (Fig. 20). Insert the USB PEN DRIVE into the machine and follow the instructions on the screen.

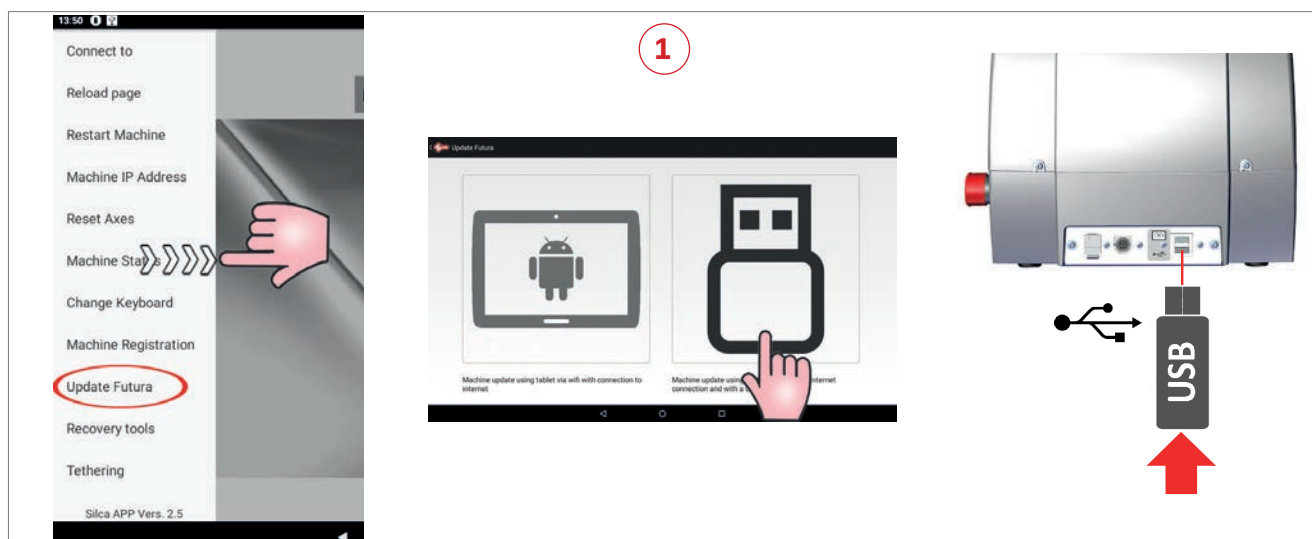


Fig. 20

- 2) Insert the USB PEN DRIVE into a PC connected to the internet (Fig. 21).
 - 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. 21

- 3) Insert the USB PEN DRIVE into the special port on FUTURA PRO (Fig. 22). **Note: FUTURA has one USB port only.** Follow the instructions on the screen: tap the “RE-START FUTURA” button to re-start the FUTURA PRO machine.
 - Wait a few minutes until the white light flashes regularly.
 - Remove the USB PEN DRIVE from the machine (without turning it off). Wait for Futura / Futura Pro to re-start (regularly flashing blue light).
 - Start the FUTURA APP from your tablet.

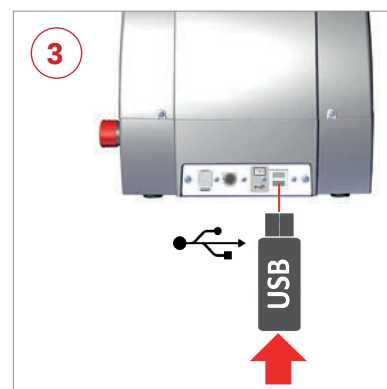


Fig. 22

9.3.3 Update with WI-FI CONNECTION connected to the internet



Fig. 23

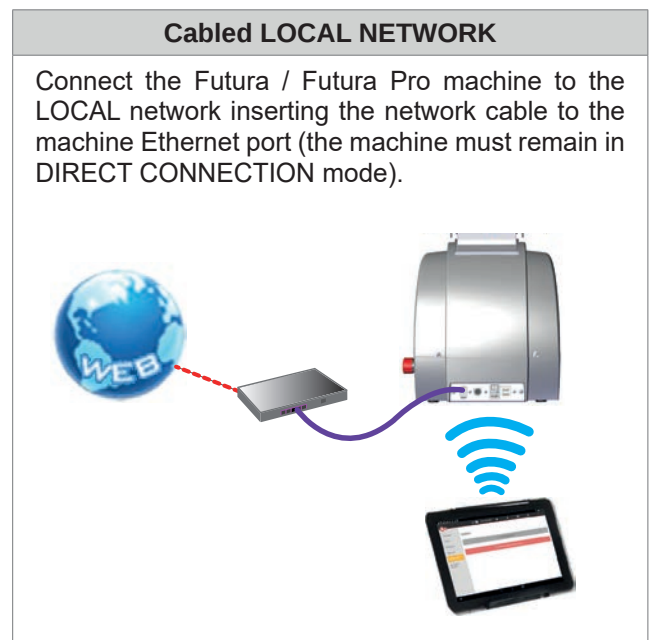


Fig. 24

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.

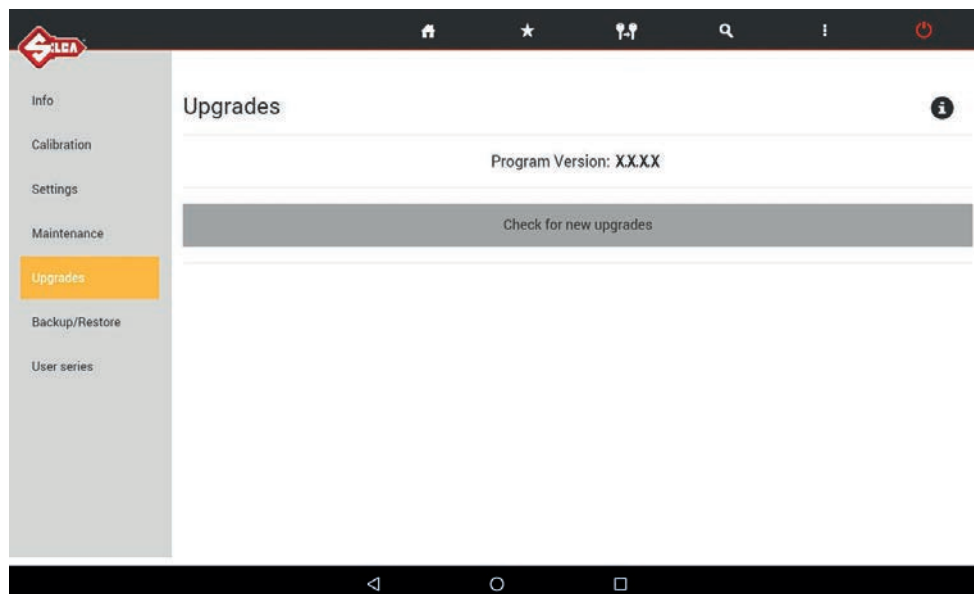


Fig. 25

NOTE: tap  to view machine update methods.

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

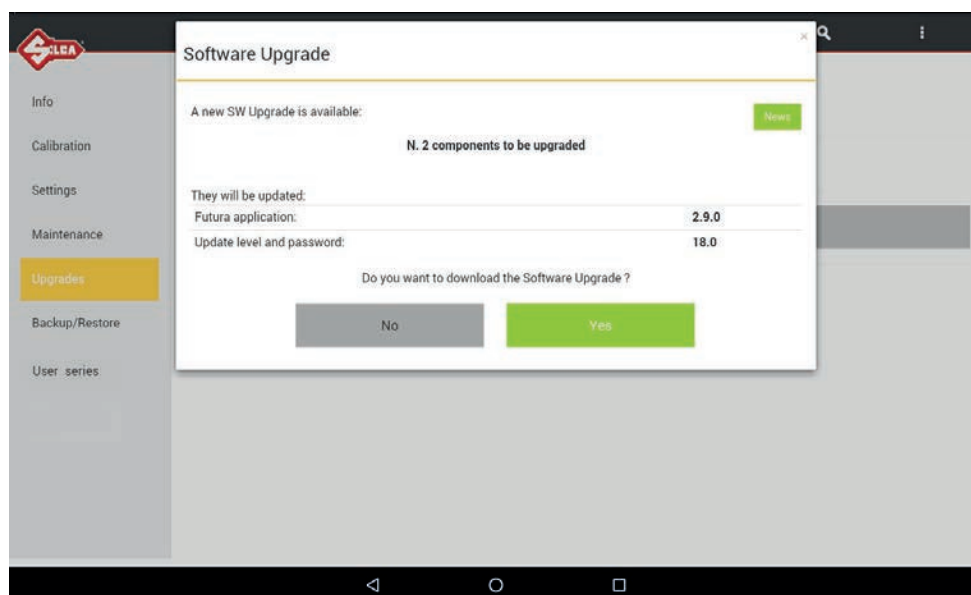


Fig. 26

- 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.

9.3.4 Update with SRS Program (Silca Remote Service)



Fig. 27

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 & SOLUTIONS -> SILCA SOFTWARE -> SILCA REMOTE SERVICE (SRS).

Silca Remote Service (SRS Module)

Utility for updating programs on board devices in the RW (copying transponder keys) and Optika families, Futura and Easy Scan over the...

More >

The machine can be updated in the following ways:

Method 1 (QUICK update)

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

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

- Fit a blank format FAT32/NTFS USB PEN into the Futura / Futura Pro machine and open the machine software; go to the Diagnostics menu -> Log File and press “Save log file” on the USB PEN.
- Fit the USB PEN into the PC on which the SRS program is installed, go to the SRS program screen regarding **QUICK update** preparation and wait for the update file to be saved on the machine. If the machine is not registered you will be required to register using the special website page.
- Ensure that the Futura / Futura Pro machine is off (red push button) and that the FUTURA APP on the Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear of the machine - Fig. 17, page 91).
- 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  and select the Futura / Futura Pro machine.

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

- Enter the Futura / Futura Pro machine serial number into the SRS program screen regarding update preparation and then fit a USB PEN into the PC. Wait for the **TOTAL update** file to be saved on the USB PEN. If the machine is not registered you will be required to register using the special website page.
- Ensure that the machine is off (red push button) and that the FUTURA APP on your Tablet is closed.
- Fit the USB PEN into the machine USB port (on the rear - Fig. 17, page 91).
- 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.

9.4 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.

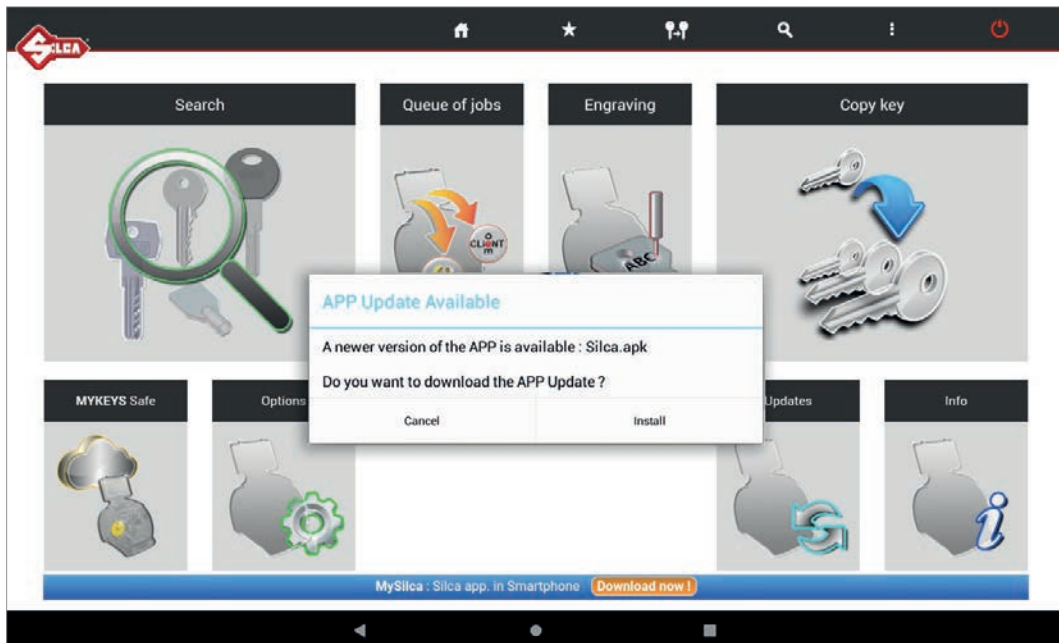


Fig. 28

1) Tap on “Install” and proceed with updating the APP.

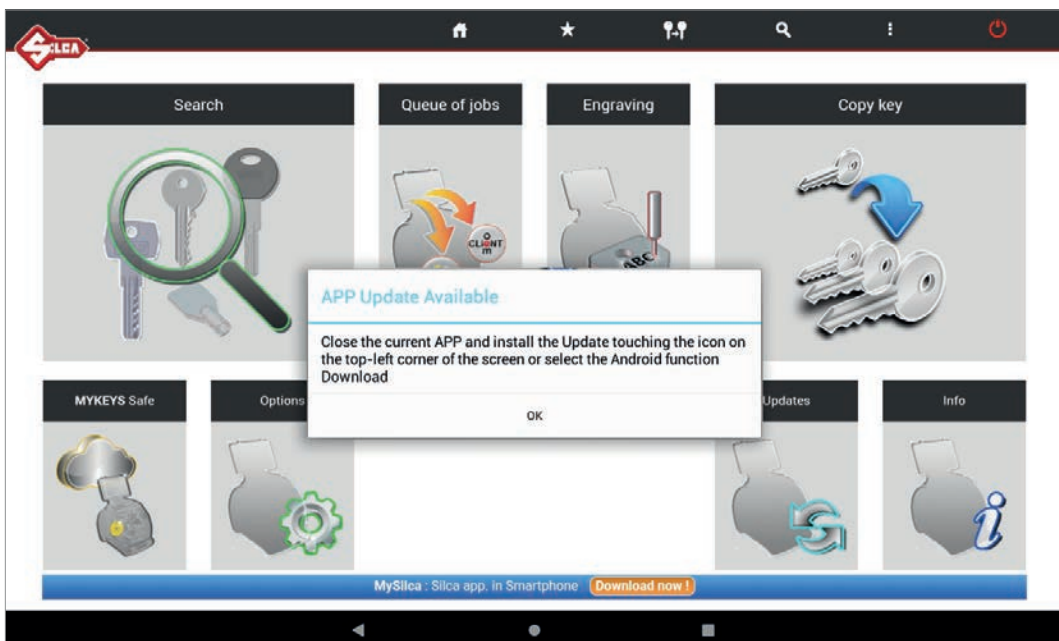


Fig. 29

2) Close the application that is opened by tapping on  and dragging the Futura APP (see Fig. 30).



Fig. 30

- 3) Scroll up from below to see the following screen and select 'Files'.
- 4) Select "Download".

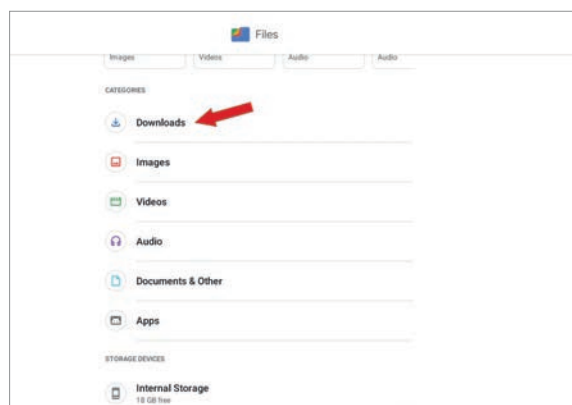
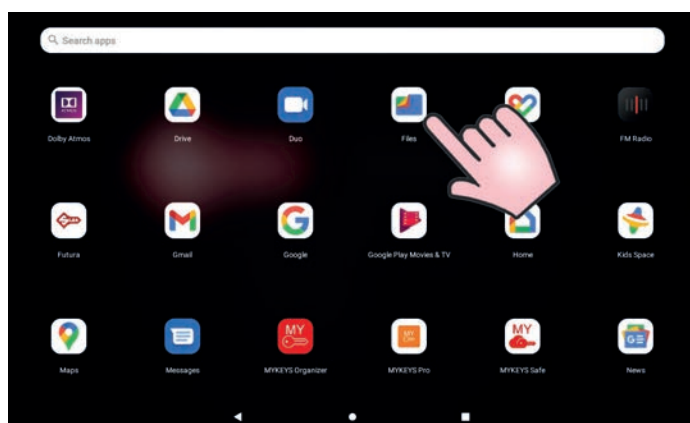
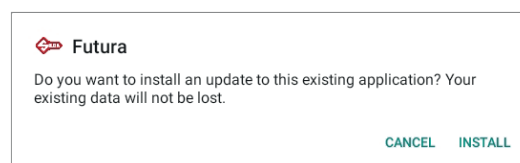
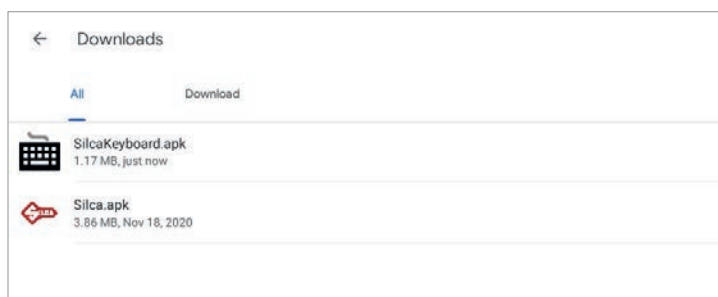


Fig. 31

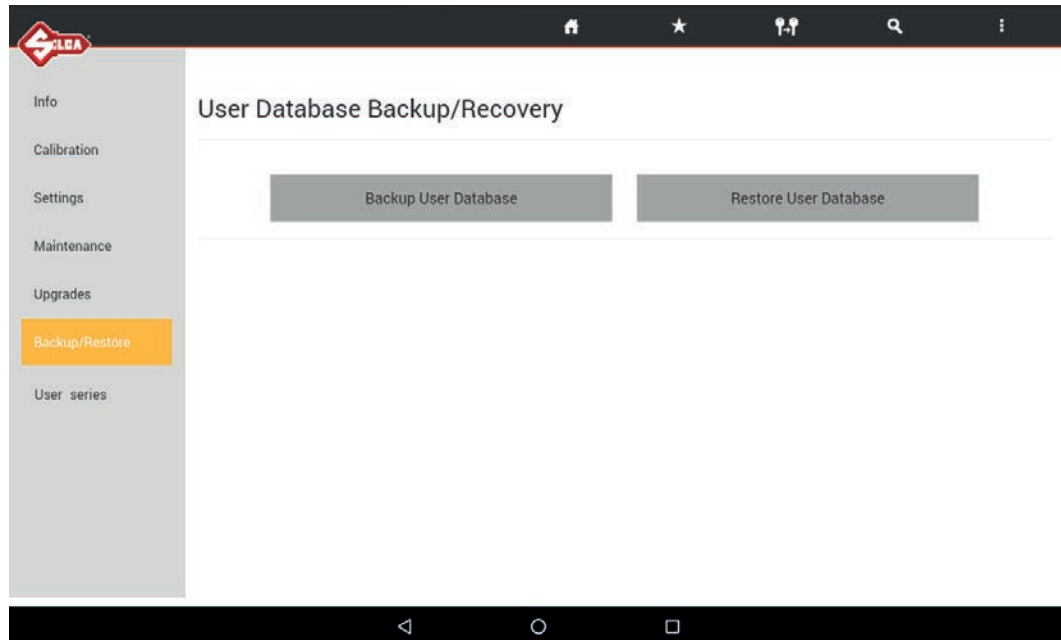


- 5) Select **Silca.apk** and tap on "Install".
- 6) Wait for the update to finish.
- 7) Do the same for upgrading the **SilcaKeyboard.apk**.

10 BACKUP / RECOVERY

This function permits to create and save a backup (backup User database) file in a USB pen that can be connected the machine's USB port (Fig. 17, page 91).

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

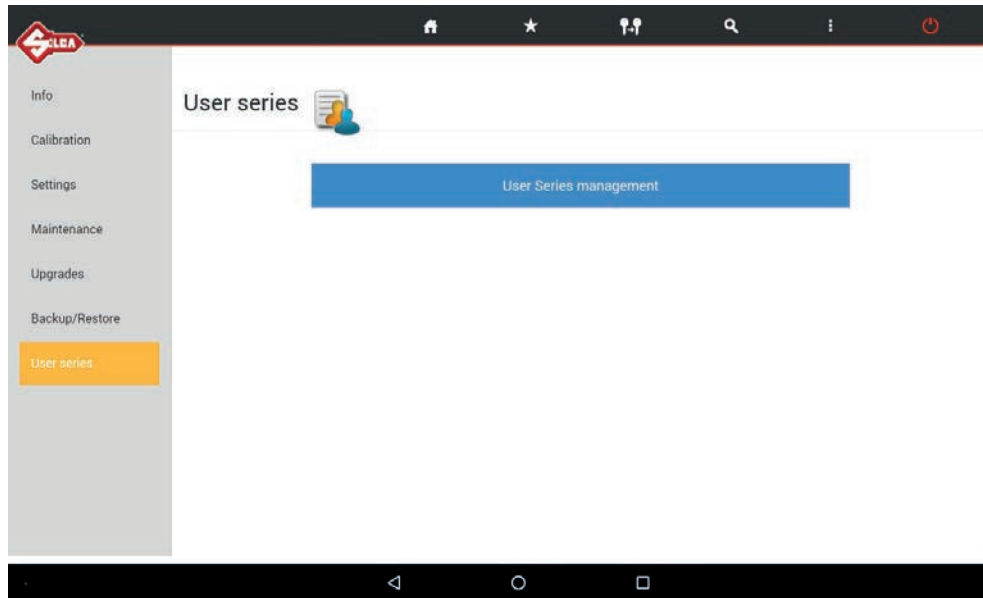


11 USER SERIES

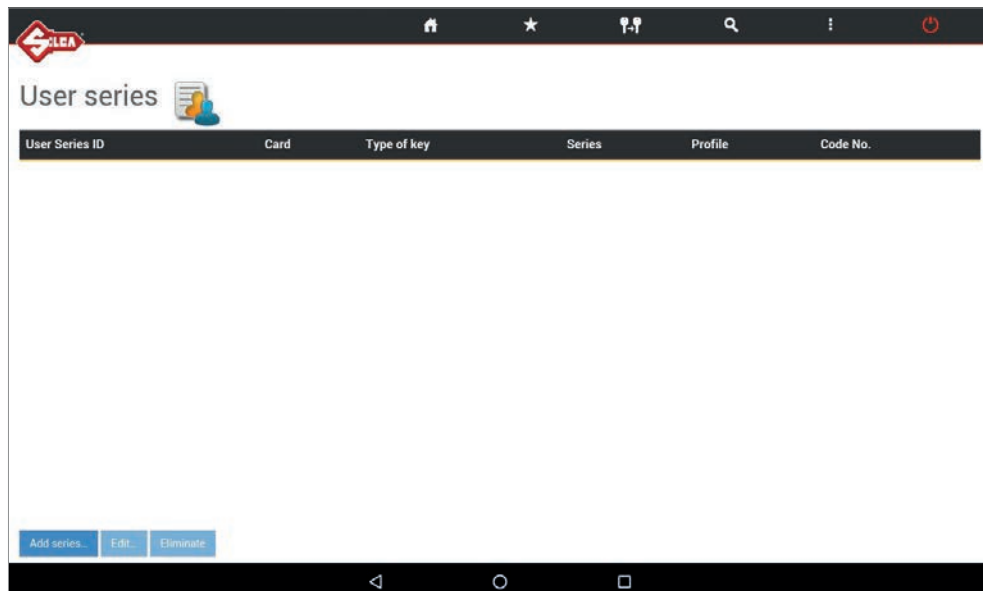
Function accessible from “Options => User Series”.

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

- Use a USB-PEN, FAT32/NTFS format, and copy onto it the file (or files) with the table to be imported. **Note: the file must not be in a folder.**
- Insert the USB-PEN into the Futura / Futura Pro USB port (Fig. 17, page 91).



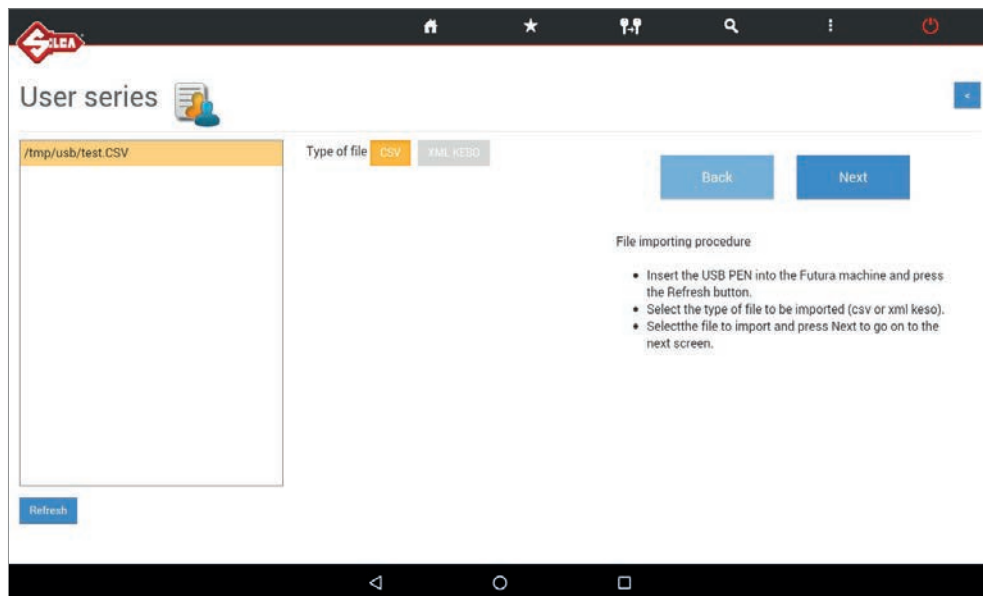
To create the user series, tap “User Series Management”.



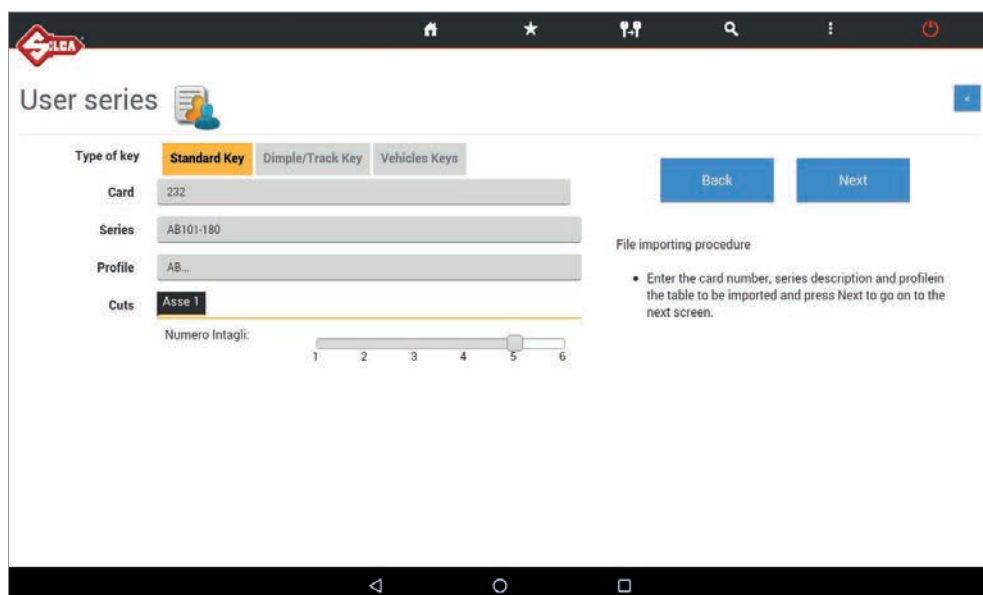
Tap “Add Series” to import the new file.

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

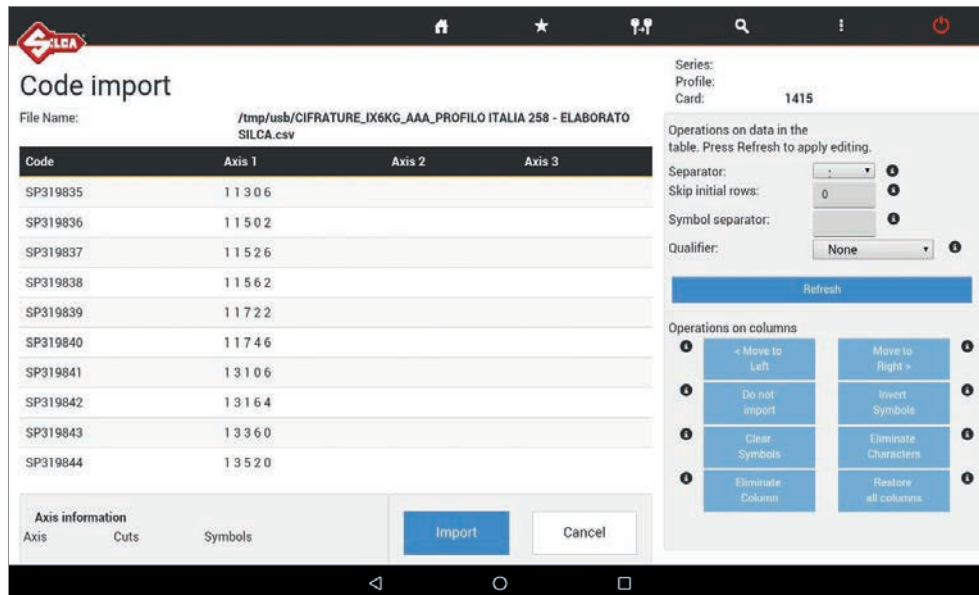
Blanks Selected

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.



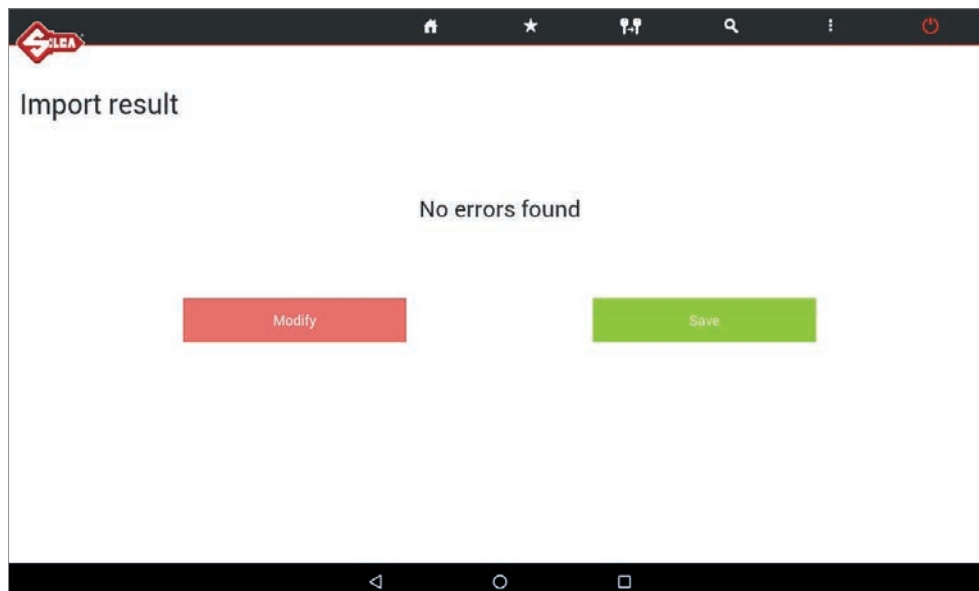
- Tap "Import" to import the file directly without editing.

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.

12 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**

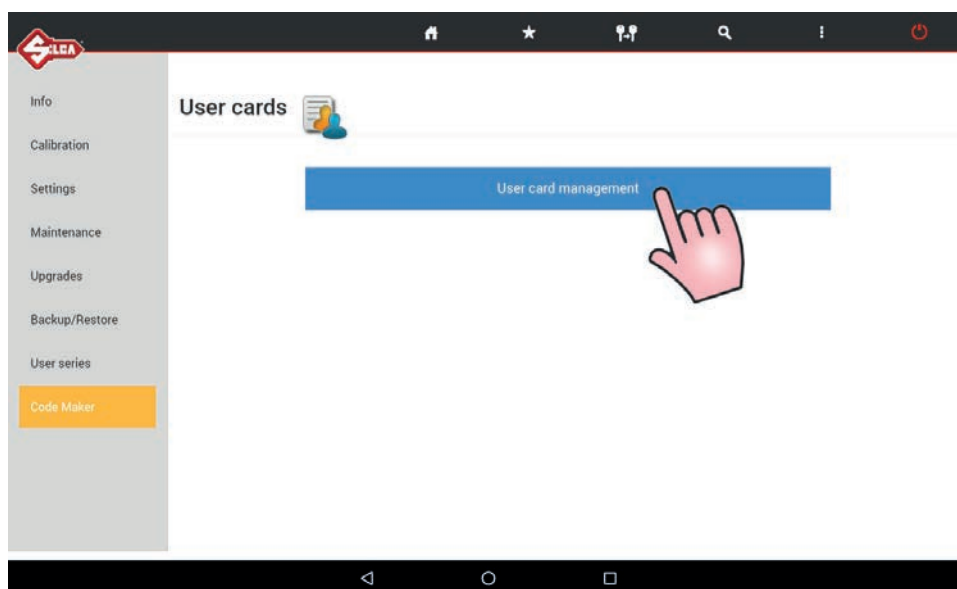
Data cards for DIMPLE keys

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.



13 CHANGING TABLETS

ATTENTION: TABLET 10.1 ONLY

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

Proceed as follows:

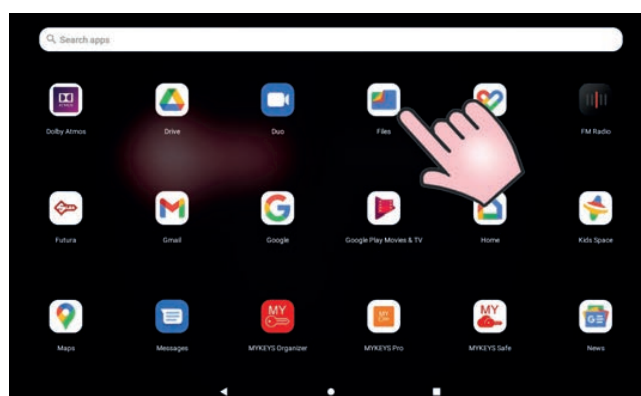
- 1) Connect the tablet <=> FUTURA in DIRECT CONNECTION mode (Ch.8.3.4.a).
- 2) Open the browser CHROME  (the CHROME icon is in the APPS page) and enter the following addresses:

192.168.0.1/Silca.apk to download the APP

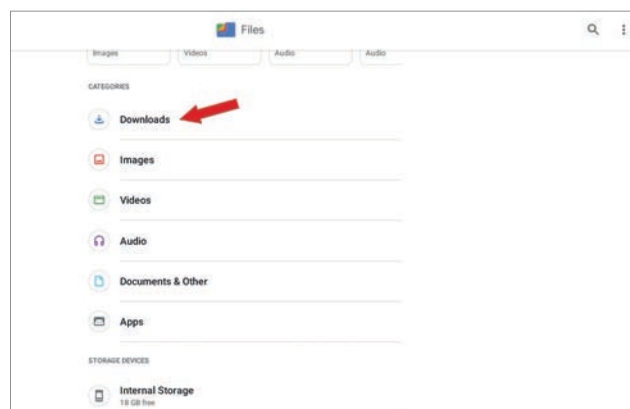
192.168.0.1/SilcaKeyboard.apk to download the keyboard



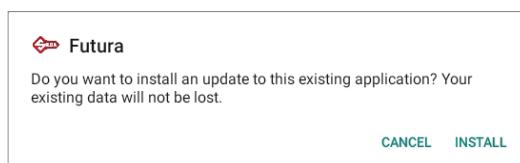
- 3) Scroll up from below to see the following screen and select “Files”.



- 4) Select “Download”.

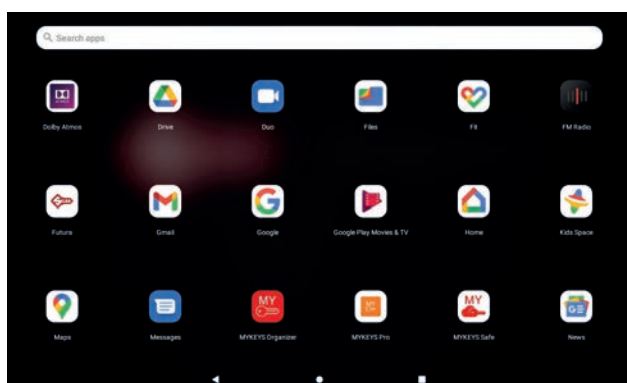


5) Tap on the 2 apps just downloaded for installation.



After you install the new FUTURA APP you should move the Silca FUTURA application icon  to the main screen.

1) Scroll up from below to see the following screen:



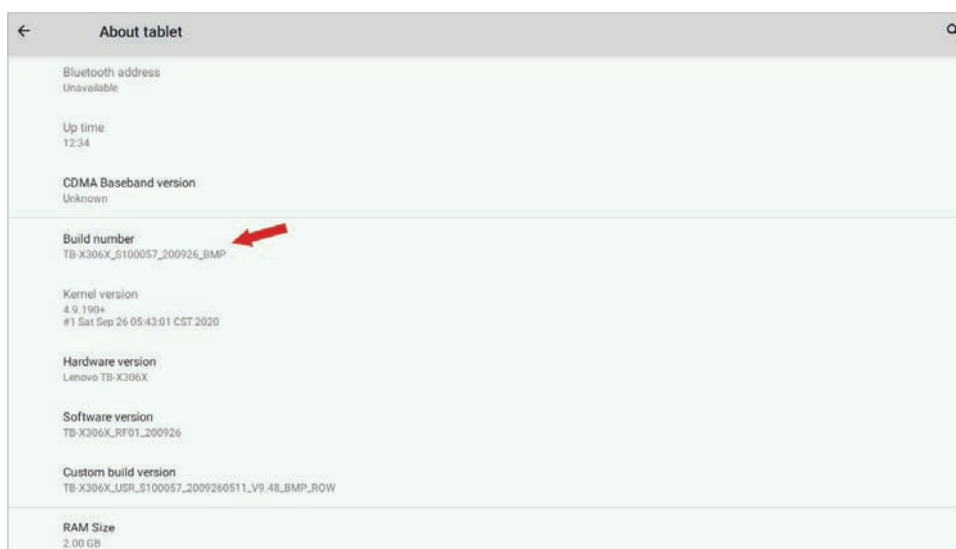
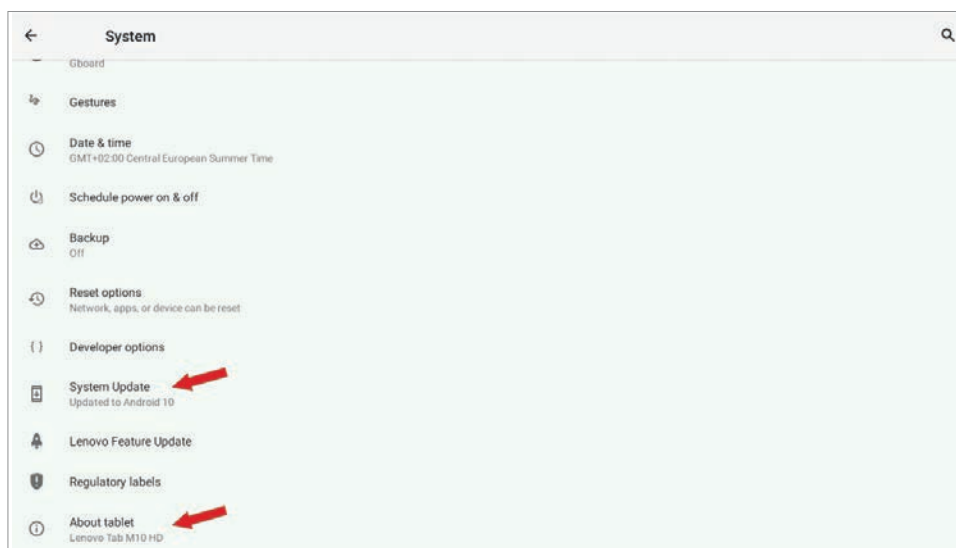
2) Search for “Futura” icon



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

13.1 PROCEDURE TO PERMANENTLY ENABLE USB TETHERING (RECOMMENDED)

- 1) Go to SETTINGS -> SYSTEM and check that the Android version is **9.0** or later.
- 2) Cliccare su **"About Tablet"** and press repeatedly on **"Build Number"** to release the **"Developer options"**.
A counter will confirm enabling.



- 3) Access **"Developer options"** and go to **"Default USB Configuration"**.
- 4) Open the function and select **"USB Tethering"**.

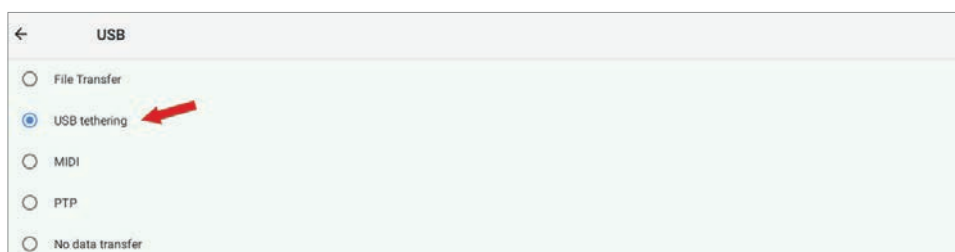
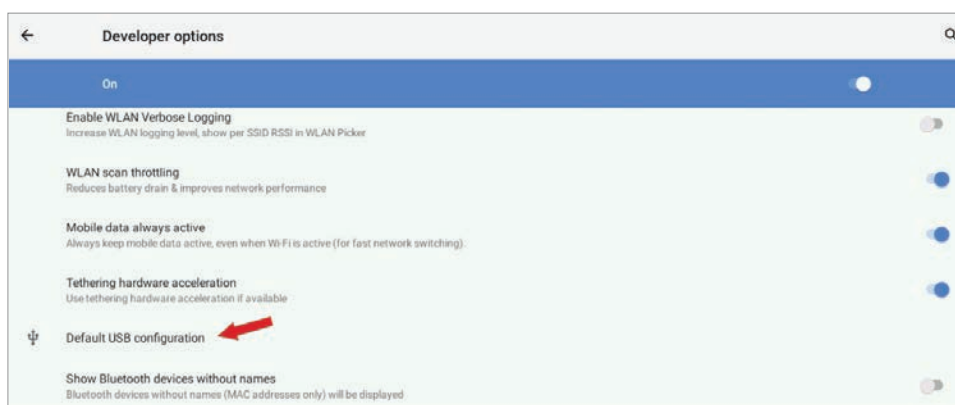
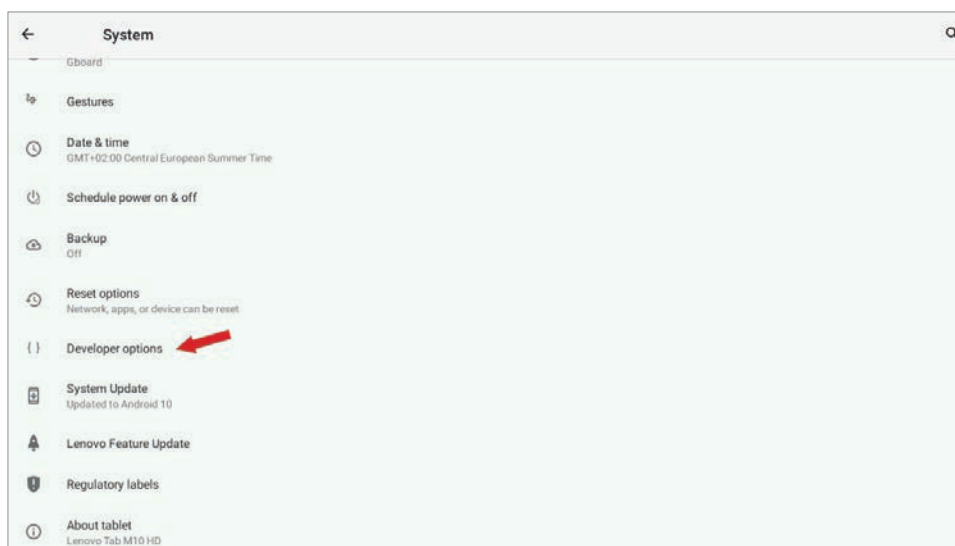
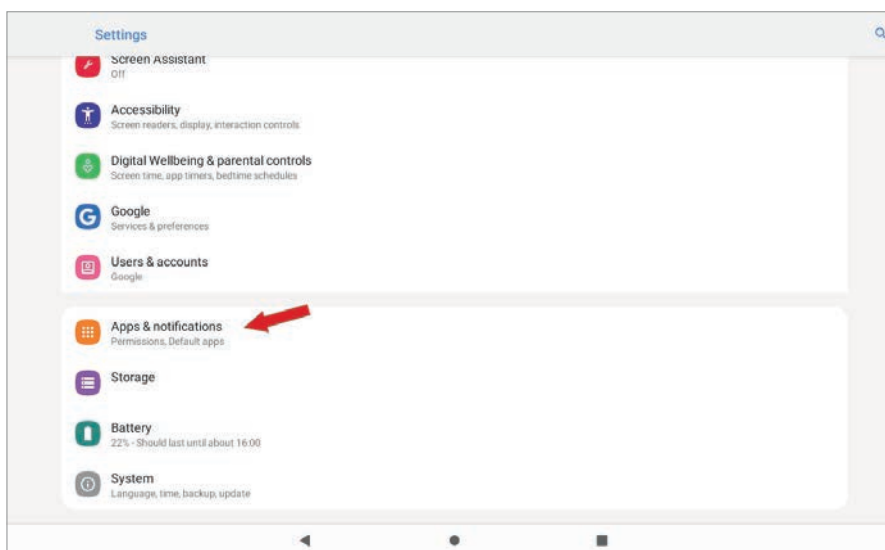


Fig. 32 - Tethering USB

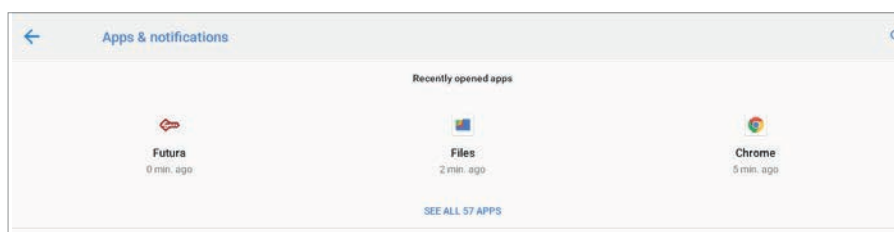
14 FUTURA PROCEDURE TO CLEAR CACHE

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

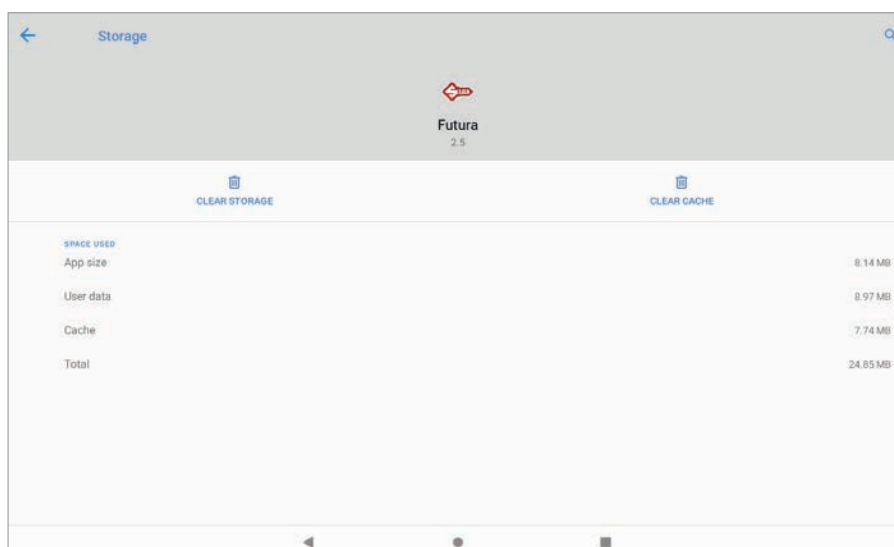
1) Entering the Android Tablet Settings .



2) Tap on “APPS” and then “FUTURA”.



3) Enter “Storage” and tap on “CLEAR CACHE”.



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This product includes partly software owned by Silca and partly open source software. Below is the original text of the official license for open source software.

On request Silca will provide a DVD with the GPL code included in the FUTURA 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

The GPL code used on this product is distributed WITHOUT A WARRANTY and is subject to copyright for one or more writers.

This product also includes software developed by OpenSSL Project for use by the OpenSSL Toolkit.

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Version 2, June 1991

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