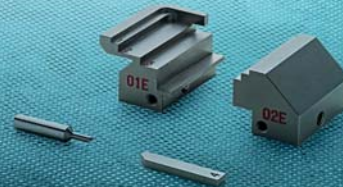


Engraving

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# FUTURA *PRO* ENGRAVING

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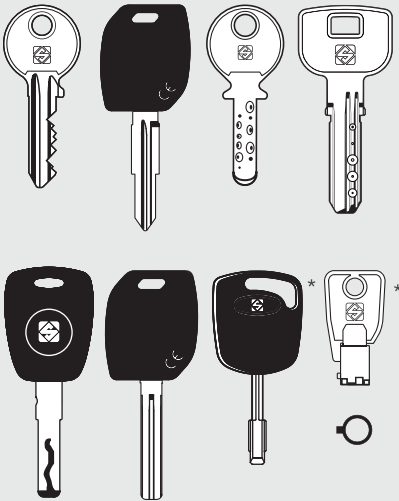
**Futura Pro Engraving is the only electronic key cutting machine able to duplicate all types of residential and automotive keys and to engrave metal keys, small medals and plates**

Futura Pro Engraving is the unique electronic key cutting machine combining two cutting stations and the engraving function in one user-friendly device. Ideal for inexperienced key cutters thanks to the software-guided procedures accessible via the integrated tablet, this lightweight and portable machine is also perfect for professional locksmiths offering a roadside service. The special jaws, adapter and cutter for engraving allow you to customise keys, small medals and plates with quality incisions.



## Key cutting

Futura Pro Engraving is the electronic key cutting machine for residential and vehicle flat, cruciform, laser and dimple keys.



\* Keys cut with optional accessories

## Engraving

With the supplied jaws, adapter and cutter, Futura Pro Engraving is also able to engrave metal and aluminium Ultralite keys, key rings, small medals and plates.



## Exclusive double cutting and engraving station

Futura Pro Engraving is unique in having two cutting stations so flat, cruciform, laser and dimple keys, both residential and automotive, can all be cut using a single machine. The clamp of the laser key cutting station is able to accommodate the special jaws dedicated to engraving, allowing you to offer yet another service to your customers.

## Practical and easy to use

Futura Pro Engraving is controlled by a 10" touch-screen tablet, which guides you step-by-step through all key cutting and engraving operations (it helps you select the correct key profile of a cylinder key or the make, model and year for vehicle keys, it indicates the right tools to use, it shows the available engraving area, etc.).



Laser and dimple key cutting station

## Laser and dimple key cutting station

- Decoding by electric contact.
- Pull-out tracer point.
- Clamp with easy-change, interchangeable jaws means more cost-effective use of accessories and speedier installation. It is able to accommodate the special jaws dedicated to engraving.
- The Futura Pro Engraving clamp is compatible with the jaws used on Futura, Futura Pro and Triax Pro.
- Automatic calibration of the decoder and the cutting station.

The tablet integrates Silca Software's main functions and data, including an extensive range of data cards and code tables for flat, cruciform, laser and dimple keys.

## Fast cutting cycles

Futura Pro Engraving features optimised cutting cycles thanks to the cutters that reach speeds of 1585 rpm for flat keys and

12100 rpm for laser and dimple keys. The tablet, together with the advanced electronics, deliver the fast response times needed for a high performing machine.

## Immediate process control

The colour-changing LED lights help you to immediately see the process status.

## Improved hardware and connectivity with 2 USB ports

All exposed screws are made of stainless steel for better resistance to wear and a longer life. Futura Pro Engraving is equipped with 2 USB ports at the rear: one for the tablet battery charger and one for the tethering connection so the machine and tablet remain connected and operational even when the Wi-Fi connection is lost or unstable. The second USB

## Flat and cruciform key cutting station - Copy by code and copy by original

- Decoding via optical reader.
- Copy by original function.
- Resistant-to-wear prismatic cutter.
- Guided calibration of the cutting station.
- Four-sided clamp with fast rotating solution.
- New, ergonomic clamp handle to easily tighten the key securely in place.
- All automotive keys and most residential keys cut in one cycle.



Flat and cruciform key cutting station



Utensil area on top of the machine



Interchangeable jaws

## Software functions

### Shortcut function for vehicle key cutting code searches

Searching for the right vehicle key cutting code is easy and quick with the card search shortcut function. Just input the first letters and the software will prompt the make and model you're looking for, so you don't have to manually enter the entire field.

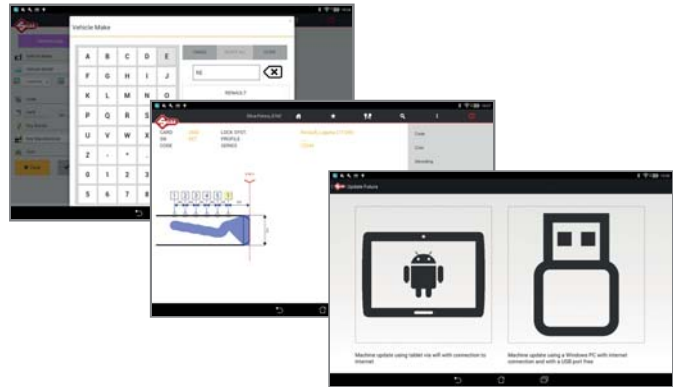
### Key cut preview

The preview allows you to check and correct the cut for a

worn key. This function is available for flat, laser and dimple keys.

### Guided updating procedure

Keeping abreast of the machine's continuous upgrades is easy with the guided updating procedure. The software leads you step-by-step through all the operations required for updating the machine (via Wi-Fi, via web with Silca Remote Service, and via ethernet).



port can also be used to connect the USB flash drive supplied with Futura Pro Engraving to import code tables or machine software updates.

### Space-saving and portable solution

Futura Pro Engraving is compact, lightweight and easy to carry. Featuring a safety shield that slides within the machine body and an ergonomic grip, it is perfect for small shops and vans.

### Functional and stylish

Futura Pro Engraving has a quality and distinctive look. Several features of the machine are designed to make your job more comfortable and practical, such as the wide accessories area on the top of the machine, the cutter-holder behind the flat key cutting station, and the removable swarf tray located in an optimised position below the working area.

## Engraving

The Engraving equipment includes the jaws 01E and 02E, compatible with the 01R clamp, the plane 4 adapter and the special cutter 18DW. The software, available for free and accessible directly from the homepage of the Futura app, has been developed to guide you step by step in the creation and management of customised engraving models, fit for a wide range of references both from Silca and others.

### Optimised engraving for a wide range of keys, small medals and plates

The special jaws and adapter are designed to facilitate the installation of a vast array of metal and aluminium Ultralite keys, small medals and plates. The jaws and adapter feature four areas (or planes) for engraving items of different dimensions:

- Area 1: 26-32mm x 40mm;
- Area 2: 20-26mm x 40mm;

- Area 3: 8-14mm x 40mm;
- Area 4: 14-20mm x 40mm.

### Pre-set user models and guided procedures

The software contains over 220 default user models for just as many Silca references (keys, medals and plates). For each reference, you can select the depth of the engraving, whilst the software indicates the jaw plane you should use.

### Management of user models

The software allows you to create customised engraving models through a user-friendly editor that enables you to add text areas and to adjust their

size and position within pre-set parameters.

### Optimised procedures with the job queues

The software also manages job queues, with which you will be able to set the cutting/engraving parameters of a series of keys and, afterwards, process them. Depending on your needs, you can engrave all the keys first and then cut them, or vice versa.



Engraving area 1



Engraving area 2



Engraving area 3



Engraving area 4

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**CE** Futura Pro Engraving has been designed and manufactured in conformity with CE mark European standards.

## Technical Data

Power supply	Machine: 24V d.c.- 5,5 Amp. - 130W Power pack: 90/264V a.c. - 50/60Hz - 220W MEANWELL GS220A24-R7B
Cutter motor	24V d.c.
Prismatic cutter	01F, in HSS super rapid steel, TiCN coated (flat cuts)
Cutters	01D, in HSS super rapid steel (dimple cuts) 01LW, in hard metal, AlCrN coated (laser cuts) 18DW, in hard metal (engraving)
Tool speed	Prismatic cutter (flat cuts): 1585 rpm Cutter (dimple/laser cuts and engraving): 12100 rpm
Movements	on 3 axes (with special bushes) driven by step motors (on rectified roller guides)
Clamps	01V, removable, with 4 universal sides (flat cuts) 01R, removable and provided with interchangeable jaws: - 01J and 02J (dimple/laser cuts) - 01E and 02E (engraving)
Runs	X axis: 30 mm, Y axis: 50 mm, Z axis: 27 mm
Dimensions	width: 318 mm, depth: 413 mm, height with tablet and stand: 522 mm (without tablet and stand: 340 mm)
Weight	20 Kg

## Futura Pro Engraving - Plus



2 in 1  
machine



Engraving  
function



Fast cutting  
cycle



Integrated  
tablet



Compact and  
lightweight



User-friendly  
software



Immediate process  
control via the lights



Silca quality  
and design