SILCA
UNOCODE PRO

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Unocode Pro is the top electronic key cutting machine for decoding and cutting either by code or from original **flat cylinder, vehicle keys and cruciform keys.**

* Keys cut with specific optional accessories.

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The professional key machine

- Designed for experienced locksmiths and professional key cutters, Unocode Pro wraps together **outstanding performance, ease of use and high-quality components.**
- The machine can work both in **stand-alone mode or with a PC connection** that enables you to access the largest key database available on the market via user-friendly software.

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Main features

- Faster cutting cycle.
- Long-lasting cutter.
- Optimized four-sided clamps.
- Resistant hardware and finishing.
- User-friendly software.
- Maintenance menu.
- Cut keys counter.

CE Unocode Pro has been designed and manufactured in conformity with CE mark European standards.

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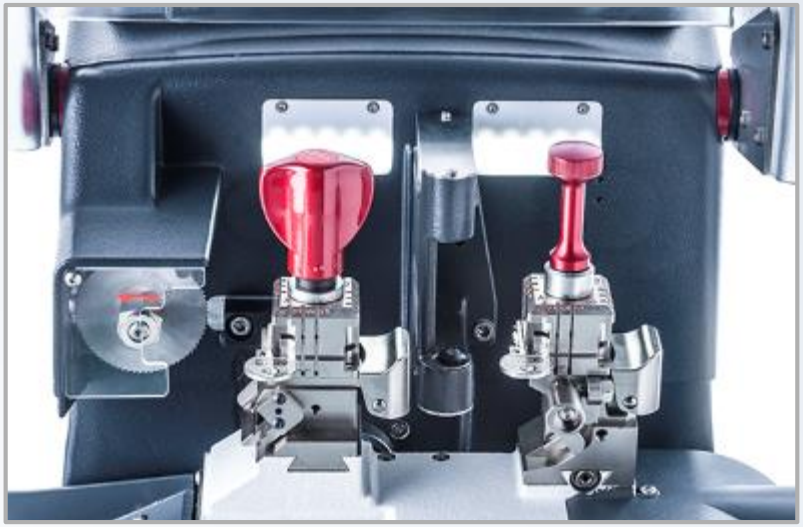

Faster cutting cycle

- New pulley ratios deliver **more torque to the cutter.**
- **The faster carriage movements** reduce cycle time by:
  - 10% for decoding cylinder keys
  - 25-30% for cutting cylinder keys

compared with the Unocode 399 Evo*.

* Tests have been performed using Silca branded keys with 5 pins.

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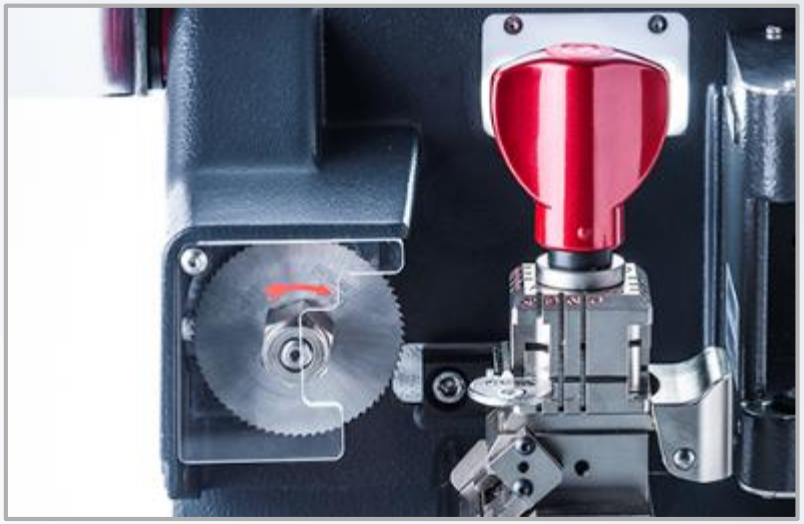

Long-lasting cutter and hardware

- The **AlCrN (aluminum chromium nitride) coating** keeps the cutter temperature lower.
- The optimized cutter speed ensures a **longer life.**
- The cutter features a **new sharpening.**
- **All exposed screws are made of stainless steel** for better resistance and a longer life.

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Four-sided clamps

- The four-sided clamps feature a **quick-release system** for easier rotation.
- They are **nickel plated, are rustproof** and less prone to wear.
- The clamp locking handle is ergonomic and features a **torque control system.**

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Optimized work station

- The reinforced structure of the machine **reduces vibrations,** making Unocode Pro stable and quiet.
- On top of the machine there is a **utensil tray with non-slip mat** to help you keep your work bench neat and tidy and keep all your tools and accessories within easy reach.
- The new cutter sharpening means swarf is left only in a small area and collected in the **incorporated pull-out tray** on the side of the machine.

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User-friendly software

- The software controlling the machine is designed specifically for specialists in the key cutting business and allows you to **perform searches by cutting card.**
- A number of useful functions have been added to **improve maintenance** so optimizing the use of the machine over time.
- The machine is provided with **USB and RS232 port** for external connectivity.
- The machine is equipped with a **5.7" coloured display.**

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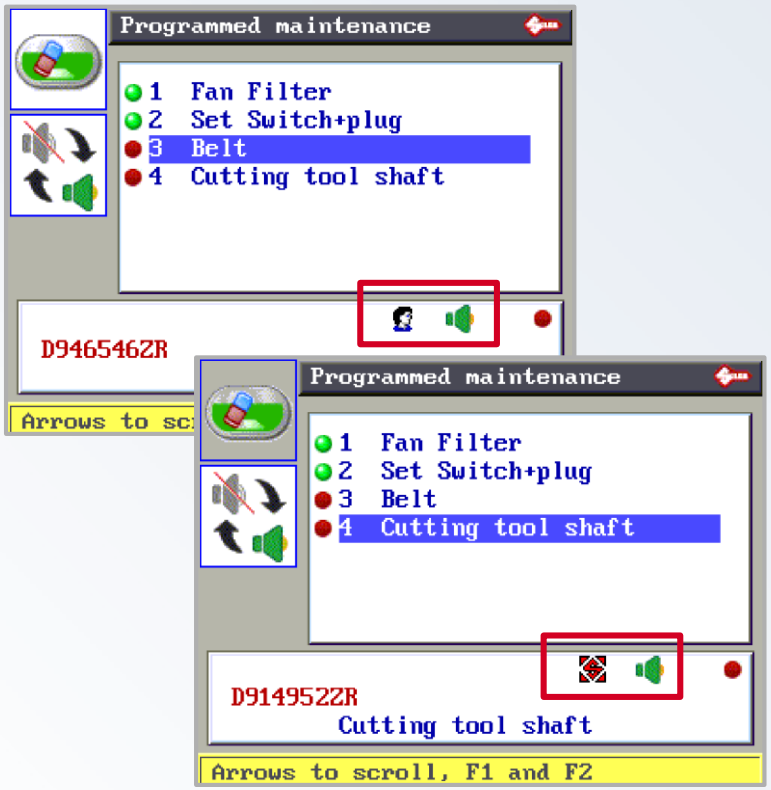

Software management of maintenance (Activated by the installer)

- The **new maintenance menu**, programmed by the installer, advises on **maintenance necessary for parts subject to mechanical wear.**
- Depending on the setting, the software advises whether the intervention can be **performed by the user** (e.g. changing the belt) **or by the installer** (e.g. changing the cutter shaft).
- Activated parameters are marked by a green light, whilst components that need **maintenance or replacement are signalled by a red light.**

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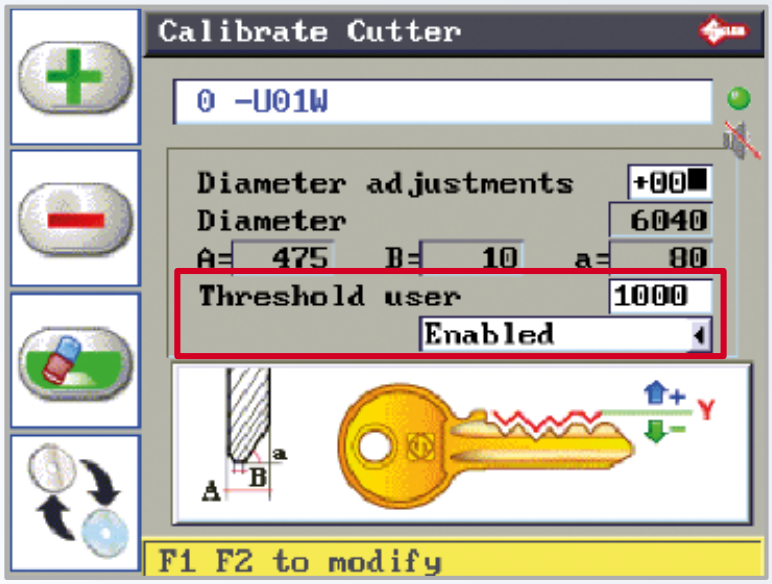

Cut keys counter (Activated by the user)

- The machine keeps a **running total of keys cut with each individual cutter,** saving the need to manually make a note at each operation.
- The software advises the operator on cutter use and **suggests when the cutter needs replacement.**
- The notice is activated when a pre-set level of keys cut is reached. The level is adjusted by the users according to their use of the machine.

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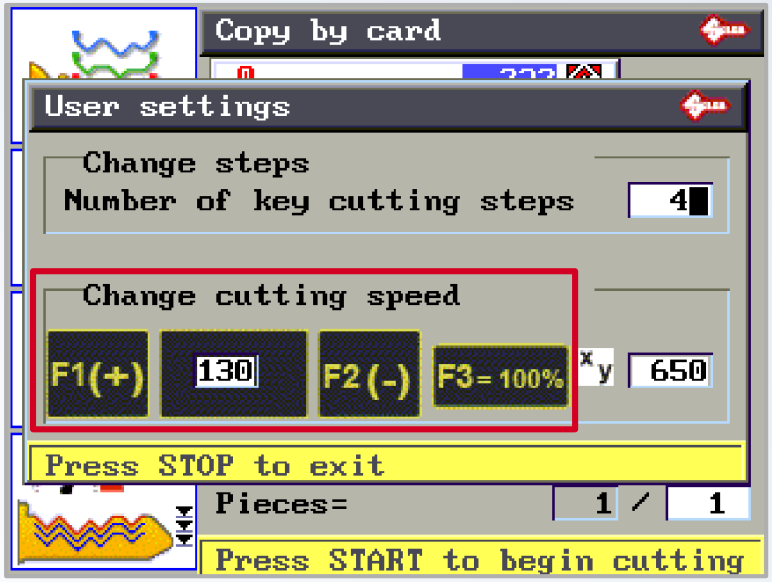

Adjustable cutting speed

- Once you have selected the cutting card to use, **you can modify the cutting speed by 30%.**
- In this way, you can speed up work queues or slow down to limit cutter wear.

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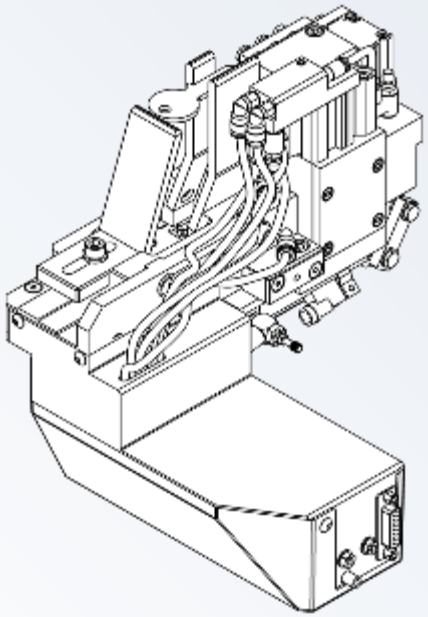
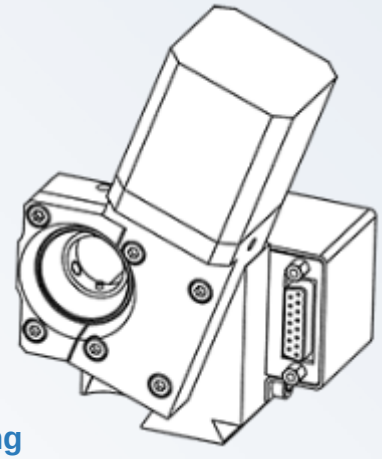


Automatic feeder



Rotating
V1 clamp

Optional tools and accessories

- The **automatic feeder** saves time and effort in cutting single sided flat keys.
- The **optional rotating V1 clamp enables you to operate also on the third axis for angled cuts.** Together with other dedicated accessories, it allows you to duplicate Abloy®, Abus®, Ava®-Chubb®, Chubb®, Ford® and Luma® type keys.

Further optional accessories available. For more details, visit our website.

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Technical Data	
Power supply	230V - 50Hz, 100V -50/60Hz
Motor	single phase, one speed
Standard cutter	U01W in AlCrN coated hard metal
Cutter speed	50Hz - 1700 rpm (+/- 10%)
Movements	on 2 axes with ball screws activated by step motors, on rectified roller guides. Possibility to add a 3rd axis to activate the optional tilting and rotating clamps.
Carriages runs	axis X: 57 mm, axis Y: 32 mm
Clamp	V100 universal four-sided, nickel plated
Dimensions	width: 450 mm, depth: 600 mm height: 440 mm (with raised shield: 680 mm)
Weight	38 Kg

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