Unocode 299

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Unocode 299 is a Silca electronic key-cutting machine for the duplication of flat keys for cylinders and cars. Unocode 299 represents a new generation machine designed to work either Stand Alone or with a Personal Computer. Unocode 299 is completely innovative and will make a definite improvement in the quality of your duplication service.

Compact Machine Body *comprised of an aluminium modular structure.*

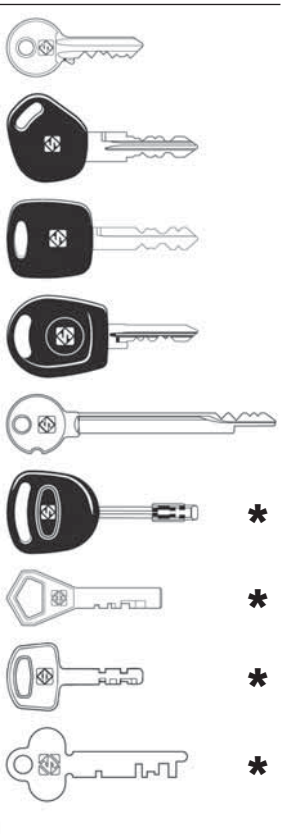
Innovative and practical design.

Keypad with Back-Lite Display, *expanded features located on the front of the machine, excellent visibility, 4X20 characters.*

Safety Devices to protect the Operator:
- *emergency stop button*
- *minimizes swarf dispersion*
- *automatic deactivation of cutter and carriages movements when the safety shield is raised.*

Mobile Safety Shield, *designed to protect the operator from contact with the moving parts and preventing swarf from being dispersed.*

Machine built to CE (European Community) safety standards.



Flat keys for cylinders and cars

(*) Keys that can be cut only with specific clamps cutter, and/or optional adapters

The very best in code cutting.

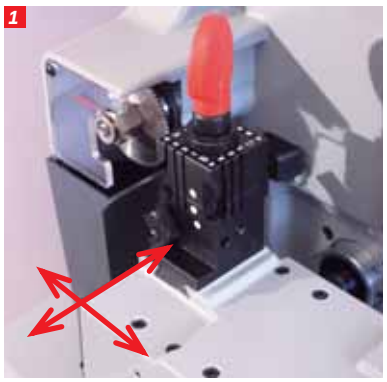
Automatic depth calibration by means of electric contact

Exclusive

An innovative system for cutting by electric contact makes it possible to detect the correct cutting depth automatically, regardless of the clamp side that is used. The exclusive automatic depth calibration allows double sided keys to be securely clamped without the use of pins. This technology results in ease and flexibility when clamping keys and automatically carries out tests and controls critical operations.

1 ***Axis Calibration***

Fully automatic depth and space calibration allows the Unocode 299 to carry out the same function as an actual electronic key gauge. Therefore, no data entry or manual corrections are required by the Operator.



2 ***Clamp Calibration***

Clamp calibration is automatically controlled on every side of the clamp by means of electric contact.

3 ***Cutter Calibration***

Since the Unocode is structured to accept a variety of cutters, the cutter calibration function permits to calibrate all available cutters automatically with ease and precision.

Plus

1 Technology
Innovative technology enhances the performance of the machine resulting in the best features, quality, durability and value in the market.

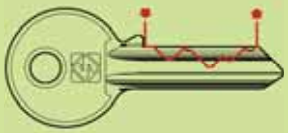
2 Precision
Maximum carriage precision and smooth movement by means of ball screw rollers. Axes tolerance +/- 0,03 mm.

3 Safety Devices
Stop button, Safety shield, Test program for vital components on board.

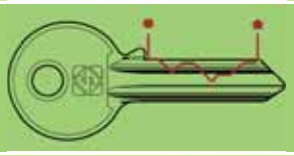
4 Updating
Machine database is updated by PC via serial port. With Silca Updates, the machine can be easily updated with all codes and new keys when they are released on the market.

Safety Shield

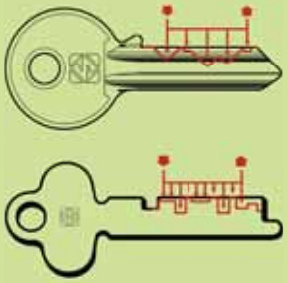
Types of cuts



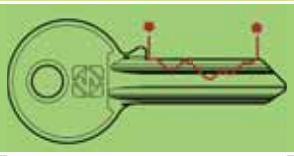
Standard cut
Traditional type of cut for car and door keys.



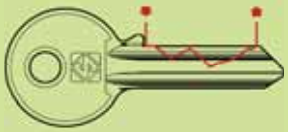
Flat cut
Ideal for car keys, this type of cut allows removal of the cutting apex between two flat cuts.



Vertical cut
Types of cuts to make with a shaped cutting tool for keys with small bits (e.g. Ford type keys) or keys which require a sharper cut than those with a constant angle.



Radial cut-R
Ideal for lock with pins.



Laser-Ideal Line cut
Conjunction of the cutting angles is automatically determined by the machine. In this way cuts with variable angles can be obtained, giving the advantage of key copies that slide perfectly into the lock.

Personal Computer Mode

Besides the function for the stand-alone version, Unocode 299 can be connected to the Win Silca Code Program to expand the range of functions available.
Windows 95, 98 or NT interface guarantees maximum flexibility as well as compatibility with the most up-to-date software programs on the market.

Stand Alone Mode

*•With the on board **software** and machine memory 2.000 data cards can be processed for code cutting of a wide range of key blanks on all required codes.*
*•Each **data card** contains spaces, depths, cutting angles and any other parameter required for reproducing exact copies of keys.*
*•The **user interface** on the machine is easy and friendly.*

*•The **machine program and database** can be updated and re-written through updates, transferred directly by special functions selected with the Win Silca program (by means of PC serial connection).*

*•The machine software is also designed to receive **customized configurations** not only of data cards, but also of tables selected by indirect code searches.*

Personal Computer Requirements

IBM PC or 100% compatible
Windows 95/98/NT/ME version 4.0 or higher (with Service Pack 6 or higher) Windows 2000 (Base or with Service Pack 1) or Windows XP
Pentium 90 MHz processor or better (Pentium III 450 MHz recommended)
32 MB RAM (64 MB recommended)
600 MB free space on hard disk
Double-speed CD-ROM drive or faster
SVGA monitor or better - Resolution 1024x768 - 65635 colours or higher
1 parallel port - 1 serial port

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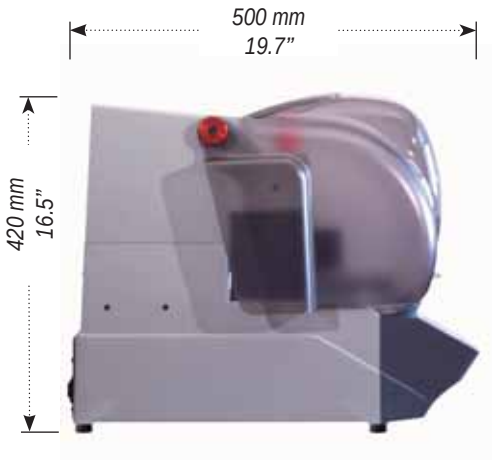
Dimensions



Technical Data

Diagnostics:	*Incorporated in the machines’ internal program*
Two axes:	*x= spaces; y= depths;*
Carriage movements:	*On roller guides, controlled by step motors and sensors*
Clamp:	*Universal four sided with fixed grip for flat, car and cruciform keys*
Calibration:	*By means of an electro-mechanical device*
Dimensions:	*Width: 500 mm, Depth: 500 mm, Height: 420 mm (with raised shield 650 mm)* *Width: 19.7” , Depth: 19.7”, Height: 16.5” (with raised shield 25.6”)*

Optionals

Adapters:	*The design of Unocode 299 has taken into account accessories already made for the previous Unocode model. Optional adapters already available can be fitted to the key-cutting machine with no need for adaptation*
CAN network:	*Predisposed for connection to C.A.N. network, via PC and other peripherals*
Clamps:	*Numerous specific clamps designed to cut personalized system are also available*