

Electronic Key Machines



Silca World



The main reason for the success of the Silca Group depends upon the fact that it is the only company in the world to have conceived key cutting as a complete system.

The Silca key system starts from the manufacturing and production of keys and key cutting machines up to the development of customised products.

Today, Silca offers the largest product range in the world of mechanical, electronic and industrial machines as well as of equipment for key identification and duplication.

Silca S.p.A. is certified according to the ISO 9001 law.

All Silca Key Cutting Machines are produced in compliance with european directives that require the CE stamp and ensure precision, quality and reliability in time.



Silca Software

Silca projects and develops all the software designed to run its key cutting machines bringing performance to its best. The electronic contents of Silca key cutting machines, together with the software programs, enable a non-stop updating as far as data base and operating modes.



Accessories

A complete range of accessories devised for the entire range of the key cutting machines ensures the easy duplication of all kind of keys.



We recommend Silca's original spare parts and accessories.



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Electronic key-cutting machine for code cutting and copying bit and double bit, pump, and 'English' keys* (with shoulder). Idea carries out a wide range of operations automatically, ensuring precision within hundreds of millimeters and speed for the cutting cycle of any type of key.

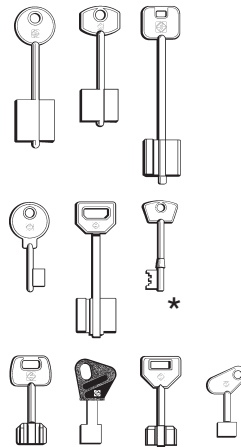
- Innovative gauging system by electrical contact which makes it possible to identify the correct dimensions of the key automatically with absolute precision • Automatic Axes gauging • Absolute precision in reading the key, due to the patented laser optic reader • Automatic optic reader gauging • Universal clamp,

360° rotation, used for cutting both sides of the key bit.

- Idea Stand Alone - The machine memory holds over 300 different cutting and decoding systems, and memorize over 1000 cutting systems.
- Idea with Personal Computer - Using the IDEA key-cutting machine with a personal computer and the Silca Key Program allows you to:
 - process and manage your list of customers
 - plan work queues
 - search for references by direct or indirect codes
 - search by partial cuts (* only for shoulder stop keys)
 - create customized key-cutting systems.

TECHNICAL DATA

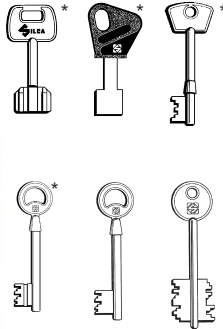
power supply	Single phase 230 V/50Hz
clamp	360° rotating universal clamp, controlled by magnetic positioning sensor
movement	On 3 axes, controlled by pre-loaded ball screws activated by step motors on rectified roller guides
cutting tolerance	Axes: +/- 0,05 mm
dimensions	Height 450 mm (720mm), Width 450 mm, Depth 520 mm



IDEA



Prima Laser



* Keys to be cut with optional clamp.

Key cutting has been revolutionized by the innovative features of this automatic electronic key-cutting machine for mortice and bit, double bit, pin and pump keys. With just a few simple, quick operations clearly indicated on the display, Prima Laser makes it possible to work with extreme care and safety.

Prima Laser carries out various operations and tests automatically, such as:

- identification of the correct position for the revolving clamp
- carbide cutter \varnothing 100 mm x 1,5 (different thicknesses on request)

- identification of the various devices and their correct position
- control of the cutting tool speed according to different types of material and keys of different thicknesses
- setup and maintenance of the ideal working conditions for the laser reader
- checking the correct positioning of the different types of keys
- checking that the selected program is the right one for each type of key.

TECHNICAL DATA

power supply	Different voltages available
cutting tool motor	With electronic speed control
clamp	rotating 360° activated by step motor
cutter	Carbide \varnothing 100 x 1,0 (different thicknesses on request)
dimensions	Width 580 mm. Depth 780 mm. Height 785 mm.

PRIMA LASER