





## 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.



A large, pixelated world map in the background, showing the outlines of continents in a light gray color against a white background.

## QUALITY AND CERTIFICATIONS

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 norms ISO 9001:2008 and ISO/TS 16949:2009 (Automotive Keys). 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.





## ORIGINAL ACCESSORIES AND SPARE PARTS

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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## ORIGINAL COMPONENTS

The Silca range of tracer points and cutters for key-cutting machines is one of the most complete and comprehensive available in the key-cutting field and is based specifically on long experience and special attention paid to the needs of specialist key cutters in the trade.

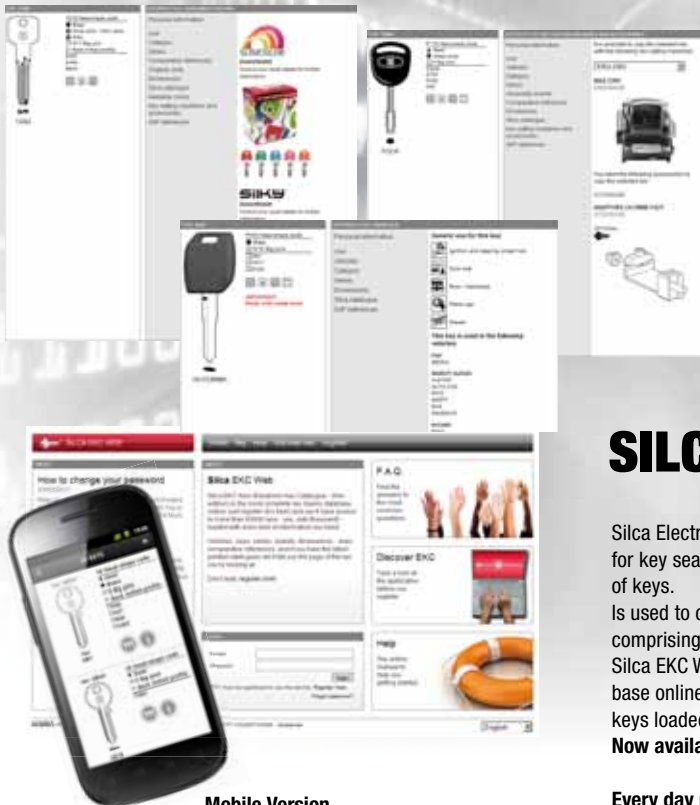
Silca accessories are made exclusively with top quality innovative materials and each one is tested and carefully controlled.

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Mobile Version

## SILCA EKC WEB

Silca Electronic Key Catalogue is the ideal application for key searches and for running your personal range of keys.

Is used to carry out on-screen searches from a database comprising thousands of data.

Silca EKC Web is the most complete key blanks database online and you'll have access to more than 60000 keys loaded with every kind of information you need.

**Now available also on smartphone!**

**Every day new, all to be discovered!**

*Discover the new Silca EKC online version on [www.silca.biz](http://www.silca.biz)*

## 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.





# SILCA KEY PROGRAMS

- Update by DVD (DVD Solution);
- update by WEB (WEB Solution).

*Operating Systems run:*

*Windows® 2000, Windows® XP, Windows VISTA™ e Windows® 7*

*Operating Systems not run:*

*Windows® 95, Windows® ME, Windows® 98 and Windows® NT*



# FAST COPY PLUS



The Fast Copy Plus is the Silca transponder programming solution: accurate, easy to use, reliable.

- ◆ Transponder Identification: detects if keys are equipped with Transponders or not, identifying the type of transponder.
- ◆ Transponder Reading: reads and displays alphanumeric fixed code Transponders. Can also identify different types of Crypto Transponders.
- ◆ Fast Copy Plus is the unique device which can decode and copy in stand alone mode the following types of transponders:
  - Philips® Crypto ID40, ID41, ID42, ID44 and ID45;
  - Transponder Philips® Crypto II ID46;
  - Texas® Crypto ID4D;
  - Texas® Crypto II and III ID6F and ID6A;
  - Texas® ID4C fixed code;
  - Temic®, Philips® e Megamos® fixed code transponders.
- ◆ Mains operated and portable unit (power supply through cigar lighter wire).
- ◆ Filing: up to 99 codes can be archived (S.A.). Archive can easily be deleted for new code archiving. Codes archiving unlimited when used with P.C. (Silca Transponder Program).
- ◆ Machine memory update via USB or RS232 connection.

Fast Copy Plus is very user friendly: the 2-keys keyboard allows the user to interact with the machine quickly and easily.

Stand Alone/  
Personal Computer/  
Silca Transponder  
Program



## KIT MH D740484ZB





# RW4 PLUS

Stand Alone/  
Personal Computer/  
Silca Transponder  
Program



## KIT MH D740485ZB



The RW4 Plus is the Silca transponder programming solution: accurate, easy to use, reliable.

- ◆ Transponder Identification: detects if keys are equipped with Transponders or not, identifying the type.
- ◆ Transponder Reading: reads and displays (on the RW4 PLUS's display) alphanumeric fixed code Transponders. Can also identify different types of Crypto Transponders.
- ◆ RW4 Plus is the unique device which can decode and copy in stand alone mode the following types of transponders:
  - Philips® Crypto ID40, ID41, ID42, ID44 and ID45;
  - Transponder Philips® Crypto II ID46;
  - Texas® Crypto ID4D;
  - Texas® Crypto II and III ID6F and ID6A;
  - Texas® ID4C fixed code;
  - Temic®, Philips® e Megamos® fixed code transponders.
- ◆ Code generation: RW4 PLUS is able to generate codes for certain fixed code transponders.
- ◆ Filing: up to 99 codes can be archived (S.A.). Archive can easily be deleted for new code archiving. Codes archiving unlimited when used with P.C. (Silca Transponder Program).
- ◆ Mains operated and portable unit (Power supply through cigar lighter wire).
- ◆ Machine memory update via USB or RS232 connection.

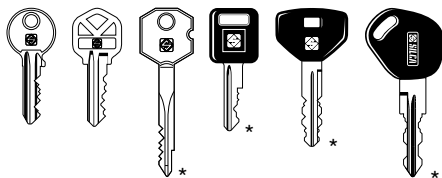
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# LEONARDO FEEDER



Leonardo Feeder is the new Silca electronic automatic key-cutting machine for flat cylinder and vehicle keys, and cruciform keys. Provided with a special incorporated loader, it represents the ideal solution for professional Key Cutters who need to copy large quantities of keys for large buildings.

- ◆ Innovative and practical design.
- ◆ Ergonomic.
- ◆ Compact dimensions.
- ◆ Simple in use.
- ◆ Safe:
  - Emergency stop push button conveniently situated on machine front.
  - Transparent safety shield: the micro switch automatically deactivates the cutter and carriage movements when the shield is raised.
  - Buzzer with different sounds to indicate the end of the key cutting cycle or to warn of alarm status.
- ◆ Four-sided clamps for housing a wide range of keys with different features.
- ◆ Automatic loader that operates without the need for connection to the compressed air supply.



\* Key to be cut only with the 4-sided clamp provided



## TECHNICAL DATA

|                 |   |
|-----------------|---|
| Power Supply    | 230V/50Hz   |
| Standard Clamp  | universal 4 sided for flat and vehicle keys, and cruciform keys   |
| Automatic Clamp | automatic clamp for flat keys   |
| Movement        | on 2 axes with ball screws driven by step motors on rectified roller guides   |
| Dimensions      | width: 395mm (Leonardo Feeder with box to collect the cut keys: 455mm), depth: 535mm, height: 360mm (590mm with safety shield up) |



# UNOCODE 399 EVO



Stand Alone/  
Personal  
Computer

## TECHNICAL DATA

|              |   |
|--------------|---|
| Power supply | 230V/50Hz - 100V/60Hz   |
| Clamp        | universal 4 sided clamp to grip flat, car and cruciform keys, new clamp locking handle with torque control system   |
| Cutter       | hard metal  |
| Cutter motor | monophase, single speed   |
| 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 |
| Tool speed   | 50Hz: 2370rpm (+/- 10%)   |
| Dimensions   | width 450mm, depth 600mm, height 440mm (with raised shield 680mm)   |
| Mass         | 38kg  |

Unocode 399 Evo is quicker, quieter, easier to use and extremely reliable.

Assures excellent cutting quality of flat cylinder or vehicle keys with single or double sides. Unocode 399 Evo reads and cuts the key simultaneously (Stand Alone Mode). Introduces clamps with rapid rotating system and torque controlled knob, and new on board screen with colour graphic display.

Provides maximum running flexibility due to the possibility to create personalised cards (Stand Alone) on board and also downloading cards created with Code Maker Program (with Personal Computer).

- ♦ 1 USB port and 1 RS232 port connectivity.
- ♦ Automatic Calibration.
- ♦ New user friendly keyboard.
- ♦ New design cutter guaranteeing high quality cutting results.



### Accessory: Key Feeder

Automatic Key Feeder  
for Unocode 399  
and Unocode 399 Evo



# UNOCODE 299



Unocode 299, the very best in code cutting of flat keys for cylinders and cars.

- ◆ Compact machine body, innovative design, keypad with back-lite display, safety devices, mobile safety shield.
- ◆ Unocode 299 thanks to a special automatic depth calibration system by means of 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.
- ◆ Carries out automatically the calibration of: axis, clamps, cutter. Centesimal precision.
- ◆ On board software and machine memory contains 2.000 data cards, the machine program and database can be updated and rewritten through updates, directly transferred by special functions selected with the Win Silca Code Program.
- ◆ Unocode 299 operates Stand Alone and with a PC.



## TECHNICAL DATA

|                    |   |
|--------------------|---|
| Power supply       | 230V/50Hz - 120V/60Hz - 100V/50Hz                                 |
| Clamp              | universal four sided with fixed grip for flat, car and cruciform  |
| Axes               | two axes: X=spaces; Y=depth                                       |
| Carriage movements | on roller guides, controlled by step motors and sensors           |
| Dimensions         | width 500mm, depth 500mm, height 420mm (with carter raised 650mm) |



# TRIAX QUATTRO



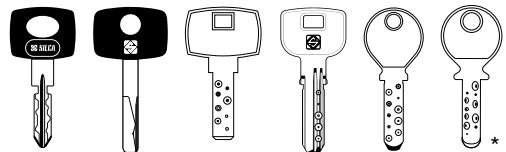
Stand Alone/  
Personal  
Computer

## TECHNICAL DATA

|              |   |
|--------------|---|
| Power supply | 230V/50Hz-120V/60Hz-100V/50-60Hz  |
| Movements    | On 3 axis with ball screws activated by step motors, on rectified roller guides |
| Clamp        | R1+R12 universal interchangeable  |
| Runs         | Upper axis Y=57mm; Lower axis X=32mm; Vertical axis Z=30mm                      |
| Dimensions   | Width 450mm; Depth 600mm; Height: 510mm (with raised shield 680mm)              |
| Mass         | 51,5Kg  |

Automatic electronic key-cutting machine for cutting and engraving laser and dimple keys.

- ♦ Easy to use.
- ♦ Large graphic display on machine.
- ♦ Innovative Software: intuitive software interface thanks to icons specially designed for the key-cutting sector.
  - More powerful optimized work cycle - New motor with higher cutter speed for top quality cutting resolution (6.000- 17.000rpm) - New spindle - Improved axis movement - Motorized fourth axis for angulated cuts +/- 45° - Motorized tilting clamp for angulated cuts (optional).
- ♦ The innovative R13 tilting clamp, motorized for angulated cuts (+/- 45°), ensures top quality cutting performance with high speed cutting cycles. The new R13 motorized clamp with its ergonomic design has been planned for fitting on the machine in just a few seconds.
- ♦ R4 manual tilting clamp for angulated cuts (optional).
- ♦ Cutter holder.
- ♦ Triax Quattro can be updated through the USB PEN provided.



\* Keys with angulated cuts (only with R13 or R4 optional clamp)

# TRIAX-E.CODE ENGRAVING KIT



Silca introduces with Triax-e.code Engraving Kit and Triax 2 two innovative solutions dedicated to Locksmiths and Key Cutting Centers for high quality engraving of keys and medals.

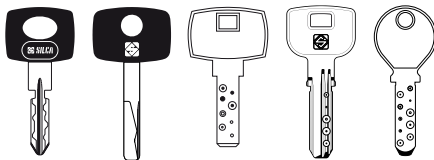
The new solutions guarantee extreme ease of use, excellent engraving quality, 220 different available pre-defined engraving models, user friendly software, one single cutter for all the materials\*.

- ◆ High quality engraving of keyblanks head and stem.
- ◆ Small medals and plates engraving with precision and ease.

\*brass, iron, steel, silver nickel and Ultralite



Stand Alone/  
Personal  
Computer



## TECHNICAL DATA

|              |   |
|--------------|---|
| Power supply | 230V/50Hz - 110V/60Hz - 100V/50Hz   |
| Cutter motor | 230V - 110V: 2 speed single phase<br>100V: 1 speed single phase   |
| Cutters      | available in HSS rapid steel or hard metal (carbide)  |
| Clamp        | R1+R12: universal clamp for fixed grip on keys + clamp for engraving keys and medals (standard for Triax 2) |
| Movements    | on 3 axes with ball screws activated by step motors, on rectified roller guides                             |
| Dimensions   | width 500mm, depth 500mm, height 500mm (with raised shield 700mm)   |
| Mass         | 45Kg  |



# QUATTROCODE



Stand Alone/  
Personal  
Computer

## TECHNICAL DATA

|              |  |
|--------------|--|
| Power supply | 230V/50Hz - 110V/60Hz - 100V/50Hz  |
| Motor        | single phase, two speed<br>230V/50Hz - 110V/60Hz   |
| Clamp        | universal "J1" (standard) for key lock grip  |
| Movements    | on three axes with recirculating preloaded ball screws activated by step motor on ground roller guides |
| Dimensions   | width 390mm, depth 530mm,<br>height 570mm  |

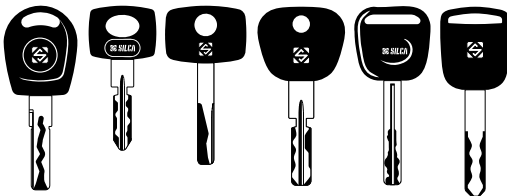
Quattrocode is an electronic key cutting machine for duplicating laser and dimple security keys.

- ♦ It is the first of its kind in the world. Silca has skilfully applied the most advanced electronic echnology to Quattrocode and Silca Quattrocode Program and created an innovative key-cutting system with functions which check and safeguard the tools and component part of the machine.
- ♦ Unlike any existing key-cutting machine, Quattrocode will automatically solve the problem of worn keys.
- ♦ Quattrocode does this by decoding the key, comparing the resulting measurements with those contained in a file relating to the original key and making any necessary adjustments so that a key which is identical to the original can be made.



Latest technology and high quality for laser keys cutting both transponder and non transponder keys. Viper guarantees high precision while cutting any laser key type and fast duplication time even for the most complex key models.

- ◆ Universal adjustable clamp with 3 different jaws.
- ◆ All accessories on board.
- ◆ Dedicated tracer/cutter set to duplicate a larger number of laser keys.
- ◆ User friendly machine.
- ◆ Compact dimensions.
- ◆ Modern design.
- ◆ Stand Alone use.
- ◆ Exclusive system with manual adjustment of clamp and tools driven by on board software procedure.
- ◆ Tool and key holder on top of machine to help to keep your working area clear.
- ◆ All operations can be done directly from the keyboard.



## TECHNICAL DATA

|              |  |
|--------------|--|
| Power supply | 230V/50Hz - 120V/60Hz - 100V/50-60Hz                 |
| Clamp        | universal and adjustable clamp with 3 different jaws |
| Movements    | X and Y: automatic axes; Z: manual axis              |
| Dimensions   | width 500mm, depth 500mm,; height 480mm (700mm)      |



# IDEA



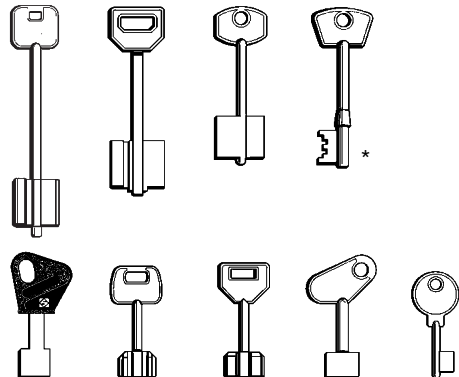
Stand Alone/  
Personal  
Computer

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.

## TECHNICAL DATA

|                   |   |
|-------------------|---|
| Power supply      | 230V/50Hz   |
| Cutter motor      | single phase 230V/50Hz  |
| Clamp             | 360° rotating universal clamp, controlled by magnetic positioning sensor                            |
| Cutting tolerance | axes: +/- 0,05mm  |
| Movements         | on 3 axes, controlled by pre-loaded ball screws activated by step motors on rectified roller guides |
| Dimensions        | width 450mm, depth 520mm, height 450mm (720mm)  |



# PRIMA LASER

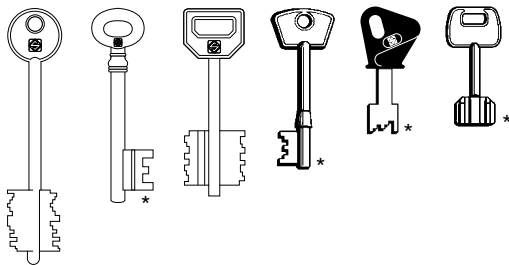


Key cutting has been revolutionized by the innovative features of this automatic electronic key-cutting machine for mortice and bit, double bit, pin and pump keys. With just a few simple, quick operations clearly indicated on the display, Prima Laser makes it possible to work with extreme care and safety.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

- ◆ Identification of the correct position for the revolving clamp.
- ◆ 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.



Stand Alone/  
Personal  
Computer



\* Key to be cut only with optional clamp.

## TECHNICAL DATA

|                    |  |
|--------------------|--|
| Power supply       | single phase 230V/50Hz - 110V/60Hz                                     |
| Clamp              | rotating 360° activated by step motor                                  |
| Cutter             | carbide $\varnothing$ 100x1,00mm<br>(different thicknesses on request) |
| Cutting tool motor | with electronic speed control  |
| Dimensions         | width 580mm, depth 780mm,<br>height 785mm                              |



# OPTIKA



Optika, the new key reading device from Silca, suggests in a reliable way the possible key blanks to make a copy. Optika can recognise the profiles of all the following key types: flat cylinder keys, bit keys, double bit keys, pump keys, dimple keys.

It can read the cuts of flat cylinder keys, bit keys, double bit keys and pump keys, and can verify if the duplicated key is acceptable in comparison with the original one.

- ♦ Key Profile reading of most key types: flat cylinder, bit, double bit, pump, dimple keys.
- ♦ Key cuts reading for: flat cylinder, bit, double bit, pump keys.
- ♦ Comparison with the original key including the key cuts within predefined tolerances.
- ♦ Unique jaw support for all key types with innovative open-close system.
- ♦ Graphic display with reading results in real time.
- ♦ Can be used PC driven or Stand Alone mode.
- ♦ Key Profile storage up to 20.000 profiles in the S.A. device memory.
- ♦ Easy and fast personalization of key profiles archive.
- ♦ Hook position management function by Personal Computer.
- ♦ Reading time: few seconds.

## TECHNICAL DATA

|            |   |
|------------|---|
| Dimensions | Width 190mm; Depth 480mm;<br>Height 400mm |
| Net weight | 9Kg                                       |

# OPTIKA LIGHT



Optika Light, the new key reading device from Silca, can identify exactly the key to be copied within a selected key references list.

Optika Light can recognise the profiles of all the following key types: flat cylinder, bit, double bit, pump and dimple keys.

It can also read the cuts of bit, double bit and pump keys and send the data to the Idea electronic key cutting machine to make a key copy.

Optika Light Plus:

- ◆ Profile reading of the following key types: cylinder, bit, double bit, pump and dimple.
- ◆ Key cuts reading for bit, double bit and pump keys.
- ◆ A complete database of Silca references organized into macro Geographical Areas. When searching for a profile, users may choose the appropriate geographical area to achieve the results best suited to their market.
- ◆ Users may create their own Silca reference database using the Key Reader Program (DVD available on request and updatable on the web).
- ◆ Upgrading Optika Light data is easy and immediate via pen drive (provided).
- ◆ Optika Light can be easily upgraded to standard Optika version (PC driven).

Key cut comparison not available.



## TECHNICAL DATA

|            |   |
|------------|---|
| Dimensions | Width 190mm; Depth 480mm;<br>Height 400mm |
| Net weight | 9Kg                                       |



# MARKER 2000



Marker 2000 is the first professional electronic machine to use a micropoint system of engraving without the removal of material, specially designed for the marking of keys, cylinders, plaques and medals.

- ♦ Quick and easy to use.
- ♦ Marker 2000 engraves any type of metal: silver nickel, brass, steel, ensuring high precision and excellent quality.
- ♦ Can be adapted for the application of over 15 different clamps.
- ♦ Menu available in five different languages: Italian, English, French, German, Spanish.
- ♦ Wide choice of characters and graphics contained in the menu.
- ♦ Marker 2000 can also be linked to other electronic key-cutting machines and its compact design facilitates its installation anywhere.

## TECHNICAL DATA

|                     |  |
|---------------------|--|
| Power supply        | 230V/50Hz - 110V/60Hz                                |
| Clamp               | C1 standard  |
| Punch               | interchangeable, in super rapid tempered steel alloy |
| Wax punch frequency | 80 punches per second                                |
| Movements           | on two axes  |
| Dimensions          | width 220mm, dept 320mm, height 450mm                |



# INCISOR



An automatic pantograph engraver which is perfect for high quality engraving operations on a wide range of small-sized objects: nameplates, labels, key rings, keys, lock cylinders, etc, which may all be identified and personalised.

Its use of state-of-the-art technology makes it a reliable and efficient partner to guarantee the quality of your engraving and photo-engraving services.

Extremely flexible in use and in the personalization of items with surfaces that are rounded or not perfectly flat. Versatile and simple to use, it can personalize a wide range of materials, such as plastics, aluminium, brass and similar. Due to its compact dimensions it can be situated in any work area.

Incisor represents the ideal solution for engraving operations thanks to its ease of use and numerous applications.

Standard configuration: Incisor with fibre jaws.

This is an excellent basic configuration for a multi-purpose, mini-pantograph engraver with a wide range of accessories.

Thanks to the INCICAM EASY software, Incisor may be used to engrave objects made of a large range of materials with many shapes, thanks to an extensive range of specifically designed accessories.



Stand Alone/  
Personal  
Computer

## TECHNICAL DATA

|                                       |               |
|---------------------------------------|---------------|
| Surface covered with each stroke      | 120x80mm      |
| Max. height beneath engraving tip     | 15mm          |
| Speed of engraving tip                | 0÷20'000rpm   |
| Max. clamp opening                    | 90mm          |
| Vertical stroke of engraving tip      | 0÷20mm        |
| Max. working speed                    | 3m/min        |
| Width of stroke                       | 170mm         |
| Overall dimensions (with cable) WxHxD | 420x360x670mm |
| Engraving tip holder (max. diameter)  | 4mm           |
| Max. height of engraved letters       | 120mm         |
| Mass                                  | 27Kg          |