

# RIGEL EU

Operating manual

DMS200372

vers. 3.0



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## GUIDE TO THE MANUAL

This manual has been produced to serve as a guide for users of the *RIGEL EU* key-cutting machine. Read it carefully; it is essential if you wish to operate your machine safely and efficiently.

### Consultation

The contents of the manual are divided into sections relating to:

- Transport and handling .....	Ch.	1
- Description of machine and safety devices .....	Ch.	2-3-4-5
- Proper use of machine .....	Ch.	5-6
- Maintenance .....	Ch.	8

### Technical terms

Common technical terms are used in this manual. To assist those with little experience of key cutting, below is an illustration of the terms used for the different parts of keys:

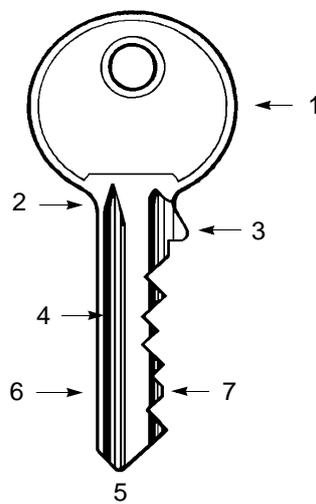


Fig. 1

- 1) Head
- 2) Rim
- 3) Stop
- 4) Stem
- 5) Tip
- 6) Back
- 7) Cuts

## GENERAL INTRODUCTIONS

The RIGEL EU key-cutting machine has been designed according to the specifications of the Machine Directives. From the design stage risks for the operator have been eliminated in all areas: transport, key-cutting, regulation and maintenance.

Other risks have been eliminated by the use of protective devices for the operator.

The protective devices used are designed not to provoke further risks and, above all, they cannot be ignored unless deliberately cut out. They do not hinder visibility of the work area.

A special adhesive label is attached to the machine warning the operator to use goggles during the cutting operations, and this is strongly recommended in this manual.

The material used in the manufacture of this machine and the components employed during use of the machine are not dangerous and their use complies with standards.

### Use

The RIGEL EU must be installed and used in the way laid down by the manufacturer.

If the key-cutting machine is used differently or for purposes different from those described in this manual, the customer will forego any rights he may have over ILCO ORION. Furthermore, unforeseen danger to the operator or any third parties may arise from incorrect use of the machine.

Negligence in the use of the machine or failure on the part of the operator to observe the instructions given in this manual are not covered by the guarantee and the manufacturer declines all responsibility in such cases.

**It is therefore indispensable to read the operating manual carefully in order to make the best use of the RIGEL EU and benefit from its potential.**

### Further Risks

There are no further risks arising from the use of the machine.

### Protection and safety precautions for the operator

The RIGEL EU key-cutting machine is built entirely to standards. The operations for which it has been designed are easily carried out at no risk to the operator.

The adoption of general safety precautions (wearing protective goggles) and observation of the instructions provided by the manufacturer in this manual eliminate all human error, unless deliberate.

The RIGEL EU key-cutting machine is designed with features which make it completely safe in all its parts.

- **Power supply**

The key-cutting machine is powered directly by electricity supplied through a safety device. The mains plug must be earthed.

- **Start-up**

The machine is started up:

- by means of the START button on the safety device (standard with 230V key-cutting machines, on request for other voltages).
- by means of the motor start-up switch on the left-hand side.

- **Maintenance**

The operations to regulate, service, repair and clean the machine have been devised in the simplest and safest way possible. There is no danger of removable parts being re-placed wrongly or unsafely.

- **Machine Identification**

The RIGEL EU key-cutting machine is provided with an identification label which shows the serial number (fig. 2).

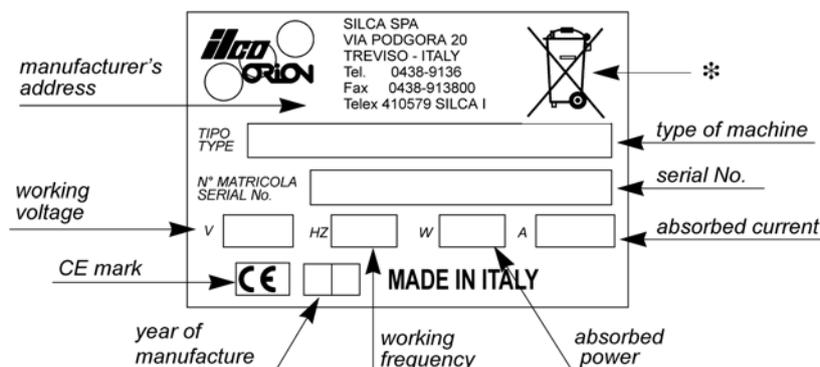


Fig. 2

(\*) see chap.9 WASTE DISPOSAL, page 21.

# 1 TRANSPORT

The RIGEL EU key-cutting machine is easily transported and is not dangerous to handle. The packed machine can be carried by one person.

## 1.1 Packing

The RIGEL EU is packed in a strong cardboard box, the dimensions of which are shown in fig. 3, sufficiently robust to be used for storing the machine for long periods.

Inside the box the machine is enclosed in two expanded polymer shells. The shells and cardboard box ensure safe transportation and protect the machine and all its parts.

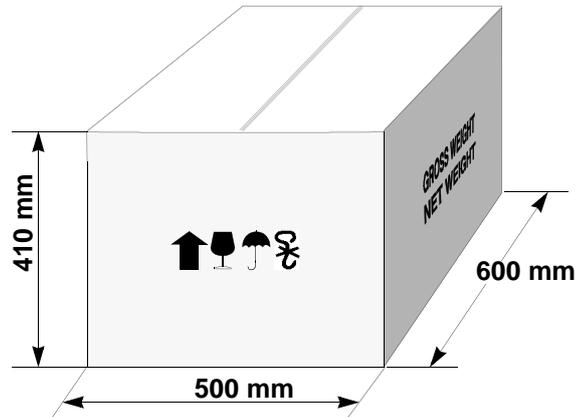


Fig. 3



Keep dry



Handle with care



This side up

## 1.2 Transport

To avoid damaging the RIGEL EU it must always be transported in its packing case. This will prevent sudden movements or rough handling from damaging the machine, persons or things.

## 1.3 Unpacking

To remove the machine from the packing box:

- 1) cut the straps with scissors and remove.
- 2) prise off the staples.
- 3) open the box without damaging it as it may be used again (e.g. removals, dispatch to the manufacturers for repairs or servicing).
- 4) check the contents of the box, which should comprise:
  - 1 RIGEL EU key-cutting machine packed in a protective shell.
  - 1 set of documents, including: operating manual, spare parts list and guarantee.
  - 1 chippings tray.
  - 1 tool tray.
  - 1 connecting wire.

remove the key-cutting machine from the protective shell.

## 1.4 Handling the machine

When the RIGEL EU has been unpacked, place it directly on its workbench.

This operation can be carried out by one person, firmly holding the base, and no other part, to lift and carry the machine.

## 1.5 Safety

Switch and cutter protection, mechanical stop of the carriage.

## 2 WORKING PART

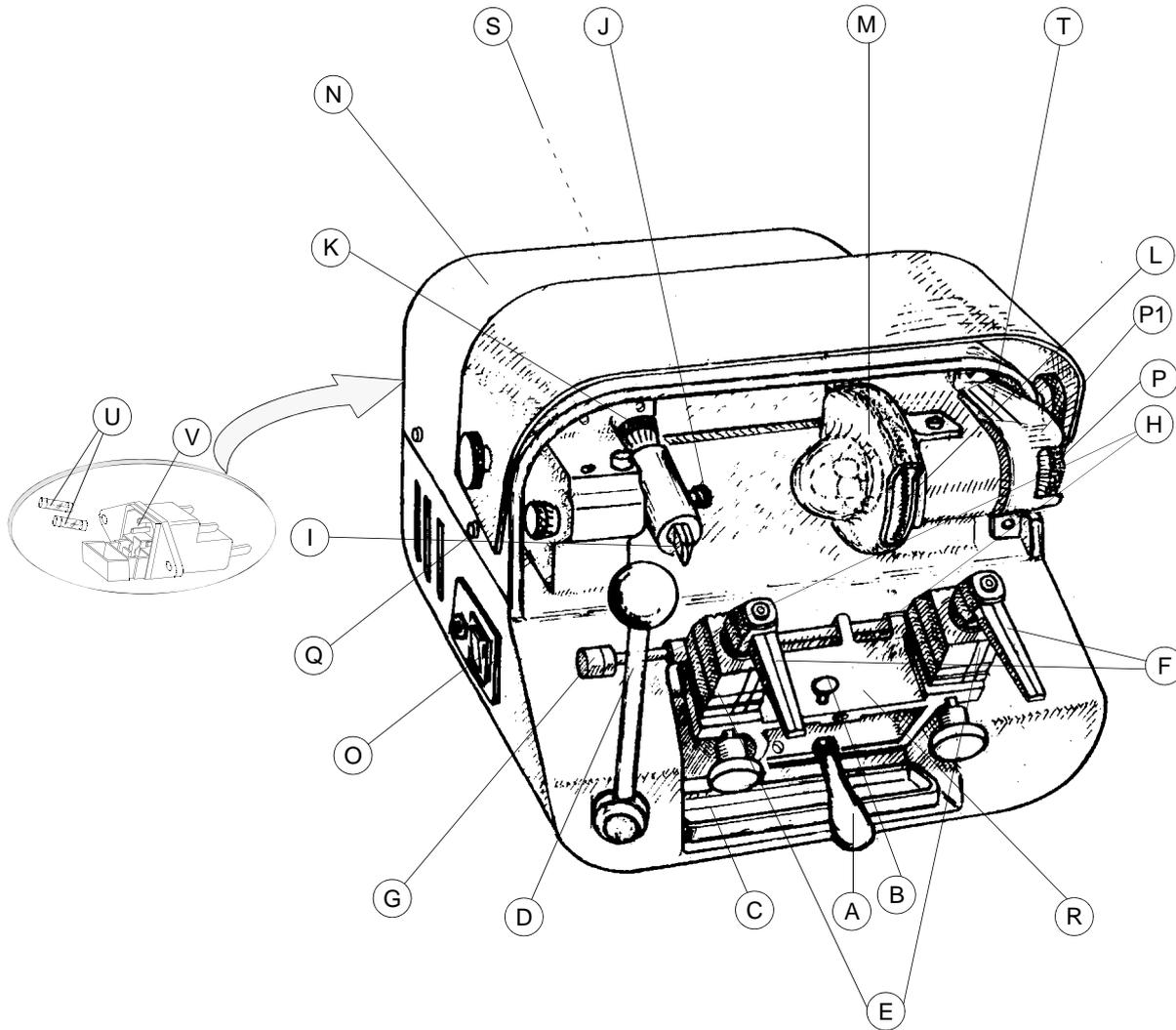


Fig. 4

- A - carriage handle lever
- B - carriage release lever
- C - chippings tray
- C1 - tool tray
- D - carriage movement lever
- E - clamps
- F - clamp knobs
- G - gauge knobs
- H - gauge tabs
- I - tracer point
- J - tracer point locking grub screw
- K - centesimal ring
- L - cutting tool
- M - cutting tool cover
- N - motor cover
- O - motor start switch
- P - brush
- P1 - brush cover
- Q - cover fixing Allen screw
- R - clamp carriage
- S - motor
- T - belt
- U - fuses
- V - supply socket

### 3 MACHINE DESCRIPTION

RIGEL EU is a professional cutting machine for flat keys used with cylinder, car locks and cruciform keys. The main parts of the machine are described below:

#### Motor start-up switch

The motor start-up switch (O) is placed on the left-hand side of the RIGEL EU key-cutting machine.

**ATTENTION: the illuminated switch is always lit to show that the key-cutting machine is live.**

#### Motor and transmission unit

The motor has belt transmission. The transmission unit is placed on the left of the motor and activates the brush (P) and cutting tool (L). These components are protected by three covers:

- brush cover (P1),
- cutting tool cover (M),
- motor cover (N).

#### Clamp carriage

The clamp carriage (R) consisting of two clamps, is fitted to the horizontal movement carriage, controlled by lever (D) and is provided with a handle (A) under which can be found the carriage release button (B). The carriage movement by means of gears, allows high precision movements which greatly facilitate all cutting operations.

The carriage is fully protected by a special panel designed to prevent the accumulation of dust and chip-pings from the work process.

The machine is designed with a ramp along which chippings can fall into the special chippings tray (C), placed under the carriage and easily removable for emptying and cleaning.

#### Cutting unit

The cutting unit contains the actual working parts of the RIGEL EU key-cutting machine, which operate together to cut and finish keys "read" from the originals.

The working parts are described below:

- **Brush**

The brush (P) is used to eliminate burrs from the cuts and is made of non-abrasive material.

- **Cutting Tool**

The cutting tool (L) is the part of the RIGEL EU used for cutting key blanks. The cutting tool is in HSS super rapid steel and is protected by a special cover (M) to ensure safe operation.

- **Tracer point**

The tracer point (I), used for reading the profile of the key to be copied, is housed on the left-hand side of the machine base. A centesimal ring (K) ensures regulation of the depth.

- **Clamps**

The clamps (E) have four sides which rotate to allow the key to be perfectly secured on its back or in profile (fig. 9 - pag. 15).

- **Clamp knobs**

The clamps are locked by two anatomical knobs (F)(fig. 4 - pag. 6) which ensure perfect grip on the keys with only slight locking pressure.

- **Calibration tabs**

The clamps have two gauge tabs (H)(fig. 8 -B) with which to adjust key alignment.

### 3.1 Technical Data

**Electricity supply:**

230V-50Hz (110V-60Hz)

**Maximum absorbed power:**

230V: 1,9 Amp. 190 Watt - 110V: 3,5 Amp. 250 Watt

**Cutting Tool:**

HSS Super Rapid Steel

**MOTOR: One-speed single phase:**

230v - 50Hz: 1350 rpm (+/- 10%) / 110V - 60Hz: 1680 rpm (+/- 10%)

**Movements:**

by gear on rectified carriage.

**Clamp:**

rotating with four sides, high precision

**Runs:**

maximum length of cuts: 45 mm

**Dimensions:**

width: 375 mm depth: 440 mm height: 300 mm

**Weight:**

23 Kg.

**Noise level :**

sound pressure  $L_p(A) = 85.4 \text{ dB(A)}$  (cutting steel keys)

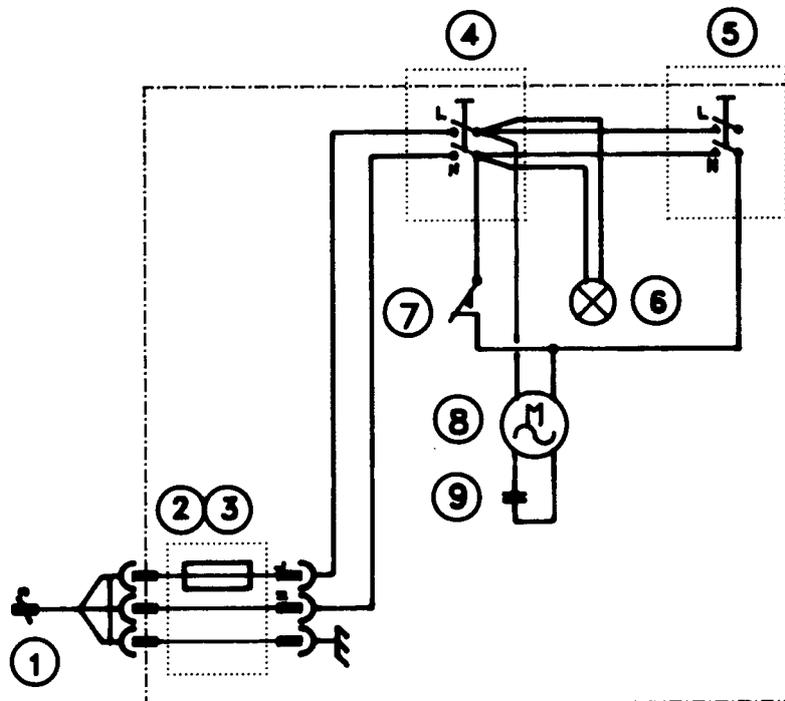
### 3.2 Electric circuit

The RIGEL EU key-cutting machine is provided with a single phase one-speed motor;

- 230V: 1350 rpm, consumes approximately 0.18 Kw, absorption 1,5A;
- 110V: 1680 rpm, consumes approximately 0.18 Kw, absorption 3,5A.

The main parts of the electric circuit on the RIGEL EU are listed below:

- 1) Power supply cable
- 2) Plug with fuse holder
- 3) Delayed type glass 5A -230V / 8A -110V
- 4) Main switch
- 5) Brush button
- 6) Light bulb
- 7) Micro-switch
- 8) Motor: 230V a.c. 50Hz / 230V a.c. 60Hz / 110V a.c. 60Hz
- 9) 8  $\mu$ F condenser

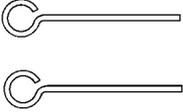
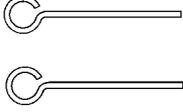
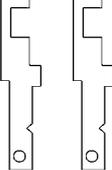
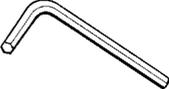


## 4 ACCESSORIES PROVIDED

To ensure trouble-free working with the RIGEL EU, it is advisable to always have certain spare parts on hand. It is advisable to always have a tool box containing: tools, cutting tools, brushes, belts and small replacement parts.

RIGEL EU is supplied with a full range of accessories.

The accessories provided by ILCO ORION are all that is necessary to carry out the operations for which the machine is designed.

<p><b>1</b></p>  <p>cod. <b>D401224ZZ</b> <b>STEEL PIN Ø 1,20</b> 2 pz</p>	<p><b>5</b></p>  <p>cod. <b>DMS200042J</b> <b>CUTTING TOOL</b> <b>UNCLAMPING PIN</b></p>
<p><b>2</b></p>  <p>cod. <b>D401225ZZ</b> <b>STEEL PIN Ø 1,70</b> 2 pz</p>	<p><b>6</b></p>  <p>cod. <b>DMS200080J</b> <b>ADJUSTMENT PLATE</b> 2 pz</p>
<p><b>3</b></p>  <p>cod. <b>D300225ZZ</b> <b>5 mm ALLEN KEY</b></p>	
<p><b>4</b></p>  <p>cod. <b>DMS200340J</b> <b>13/17/19 mm</b> <b>SPANNER</b></p>	

## 5 MACHINE INSTALLATION AND PREPARATION

The RIGEL EU key-cutting machine can be installed by the purchaser and does not require any special skills.

However, some checks and preparation for use need to be carried out by the operator.

### 5.1 Checking for damage

The RIGEL EU key-cutting machine is solid and compact and will not normally damage if transport, unpacking and installation have all been carried out according to the instructions in this manual. However, it is always advisable to check that the machine has not suffered any damage.

### 5.2 Environmental conditions

To ensure that the best use is made of the RIGEL EU key-cutting machine, certain parameters must be borne in mind:

- damp, badly ventilated sites should be avoided.
- The ideal conditions for the machine are:
  - temperature: da 0 a 40°C

relative humidity: 60% circa

### 5.3 Positioning

Place the key-cutting machine on a horizontal surface, solid enough to take the weight (23 Kg). To facilitate operation and maintenance, install the machine with a space of at least 200 mm on all sides (fig. 5).

Ensure that the machine stands perfectly balanced on the four feet. Vibration is avoided when the machine is properly set on the horizontal plane

**ATTENTION:** Ensure that the machine voltage is the same as that of the mains, which must be properly earthed and provided with a differential switch.

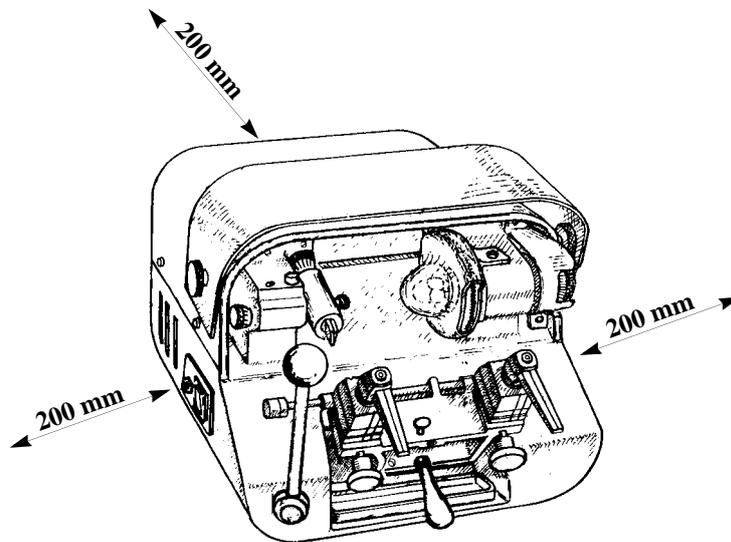


Fig. 5

## 5.4 Description of the work station

The key-cutting machine needs only one operator, who has the following controls at his/her disposal:

- Motor start switch (O)(fig. 4 - pag. 6), placed on the left-hand side of the machine; illuminated to show that the machine is live.
- Carriage movement lever (D)(fig. 4 - pag. 6).
- Carriage handle lever (A)(fig. 4 - pag. 6).
- Carriage release lever (B)(fig. 4 - pag. 6).
- Gauge knob (G)(fig. 4 - pag. 6).

## 5.5 Separate parts

The separately packed parts must be installed on the RIGEL EU key-cutting machine by the purchaser, as follows:

### Connection wire

Connect the key-cutting machine and the power cable, then connect the free end of the power cable to the electricity supply (fig. 6).

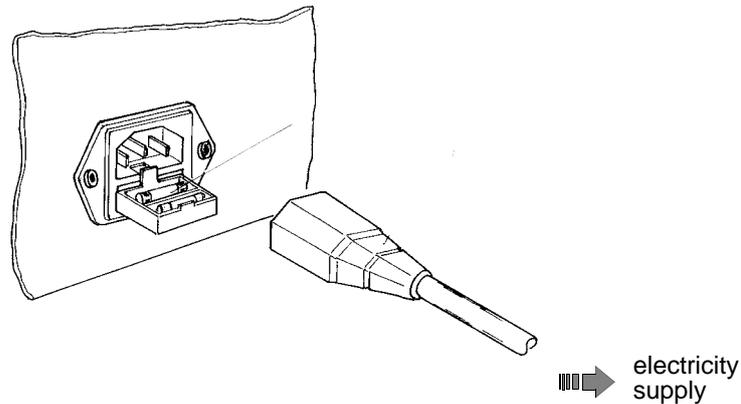


Fig. 6

### Removing the blocks

Remove the plastic block between the carriage and the machine body.

## 5.6 Connection to the mains

For the safety of the operator and the machine it is important to ensure that the machine is connected to the proper mains voltage by means of an earthed differential switch.

## 6 REGULATION AND USE OF THE MACHINE

### 6.1 Checking and setting

The cutting tool on the RIGEL EU is the part used to cut the key blanks and should be periodically checked and replaced, if necessary.

Every time the cutting tool is changed, and during periodical operational tests, check calibration.

### 6.2 Calibration

The RIGEL EU key-cutting machine requires two types of calibration: axis and depth.

#### Axis calibration:

Axis calibration is regulation of the space between the stop and the cuts (fig. 7-A).

The axis setting for the RIGEL EU is fixed and is established on assembly in our workshops.

**ATTENTION: Before carrying out this operation, adjust the cutting depth.**

- 1) Remember to disconnect the machine from the mains.
- 2) Make sure the back of the gauges is lined up perfectly with the surface of the clamp and adjust the interaxial distance using the positioners H.
- 3) Move the clamp carriage so that the cutter and the tracer fit in the V shaped slits in the gauges.(fig. 7-B).
- 4) The cutting interval of the machine is correct when the cutter and the tracer fit perfectly into the V shaped slits in the gauges. Otherwise proceed as follows :
  - Loosen the screw J1.
  - Turn the knob K1 until the above mentioned occurs.
  - Fasten the screw K1.

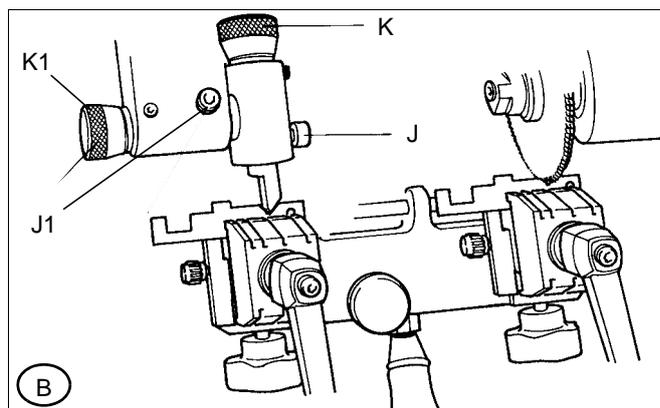
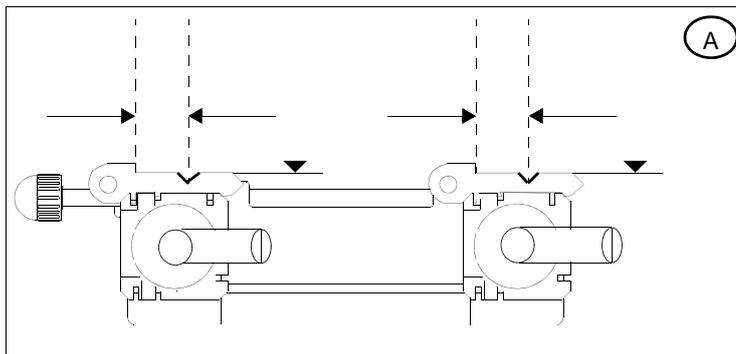


Fig. 7

**Depth calibration:**

Depth calibration is regulation of the cutting depth .  
 Proceed as follows:

- 1) Remember to disconnect the machine from the mains.
- 2) Insert the supplied gauges horizontally in the clamp housing (fig. 8-B).
- 3) Make sure the back of the gauges is lined up perfectly with surface of the clamp. (fig. 8-B).
- 4) Move the carriage towards the cutter and the tracer until the tracer rests on the gauge.
- 5) Turn the cutter manually.
- 6) The cutting depth of the machine is correct when the cutter skims the gauge freely. Otherwise proceed as follows:
  - a) Loosen the screw (J).
  - b) Turn the knob (K) clockwise or anticlockwise until the above mentioned occurs.
  - c) Fasten the screw (J).

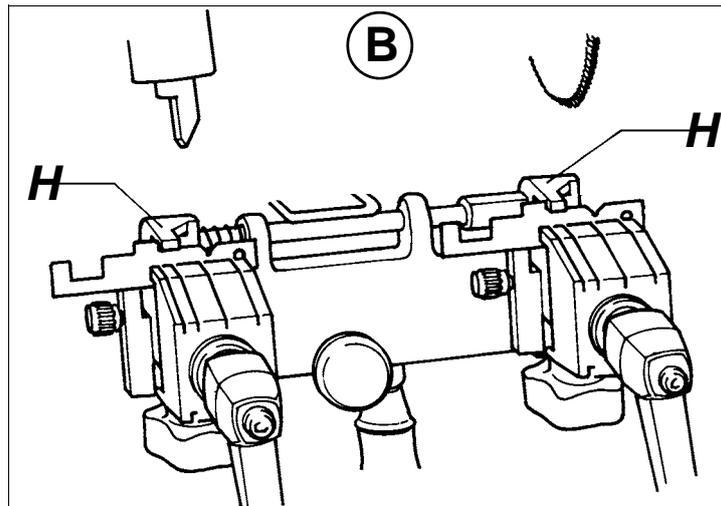
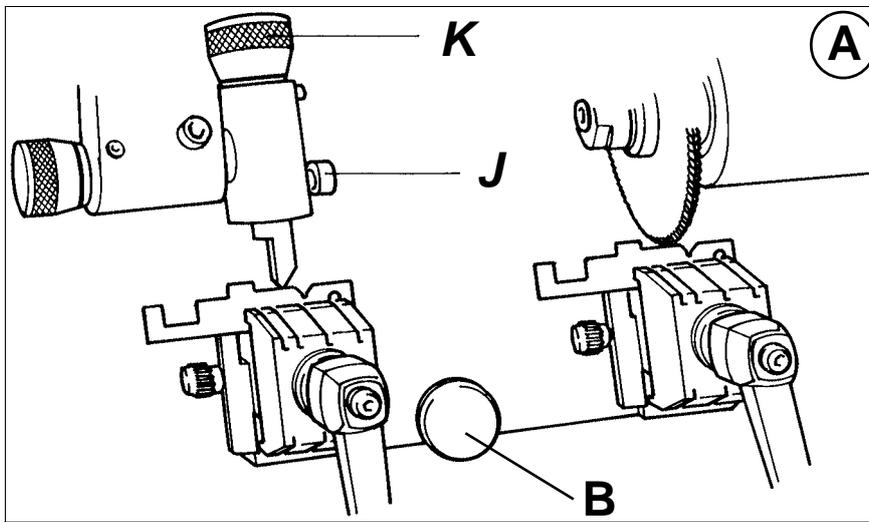


Fig. 8(A-B)

## 7 KEY CUTTING

**ATTENTION:** For complete safety during the cutting operations, take the following precautions:

- Always work with dry hands.
- Check that the machine is properly earthed.
- Wear protective goggles even if the machine has a protective shield over the cutting tool.
- Start the motor (switch P) only after completing the operations on the carriage (securing the keys, etc.).
- Keep hands away from the cutting tool in motion.

### 7.1 Key cutting system

- 1) Turn the clamps to find the appropriate side for securing the key (fig. 9-B)
- 2) Loosen the knobs (F1) by a couple of turns (fig. 9-A).
- 3) Raise the lower part of the clamps and turn to the required position:
  - **Side A of the clamp:** for keys to be fitted on their backs (fig. 9-B);
  - **Side B of the clamp:** for keys to be cut on both sides and locked on the groove (fig. 9-B).

#### Securing the keys in the jaws

- 1) Position the original key (left-hand jaw) and key blank (right-hand jaw), ensuring that:
  - a) the keys are positioned and secured as described in chap. 7.1, page 15;
  - b) the key stop is resting against the calibration tabs (H)(fig. 4 - pag. 6);
- 2) secure the keys by closing the clamps with the knobs (F)(fig. 4 - pag. 6).

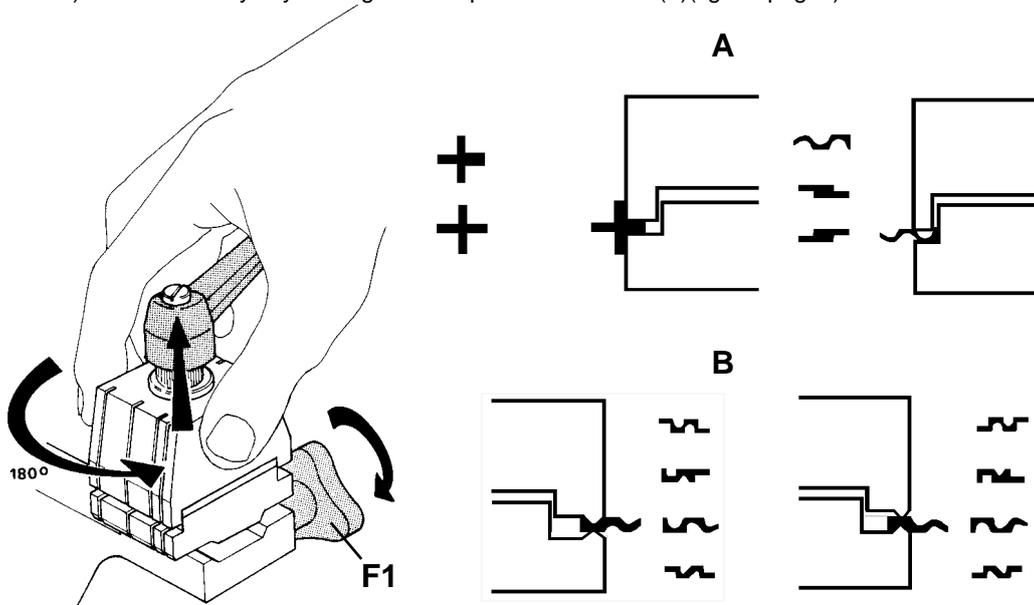


Fig. 9

#### Key cutting

When the RIGEL EU key-cutting machine has been turned on by means of switch (O) it is ready for cutting:

- 1) Take the carriage up to the tracer point and cutting tool by releasing the push lever (B).(fig. 8)(A)
- 2) To copy the key, move the carriage sideways from right to left by means of the lever (D).(fig. 4, pag. 6)
- 3) Turn off the machine with switch (O)(fig. 4, pag. 6) before removing the duplicated key.
- 4) Remove the keys from the clamps.
- 5) Turn on the machine with switch (O) and smooth off the key edges by means of the brush (P)(fig. 4 - pag. 6).

#### Using the accessories

The accessories provided with the RIGEL EU to assist key-cutting are:

- Pins
- Bars

### Using the pins

The pins must be inserted between the bottom of the jaw and the back of the key for keys with narrow stems, and their purpose is to ensure that the key protrudes sufficiently to be cut properly (fig. 10, fig. 10-C).

For keys with narrow, thin stems, two pins must be used (fig. 10-B), the second one to give a secure grip on the key. If the key thickness is too fine to guarantee a good grip in the clamps, a pin must be used (fig. 10-A).

**ATTENTION:** The pins provided have two different diameters: 1,20 mm and 1,70 mm. It is essential to use pins with the same diameters for locking both the original and the key blank.

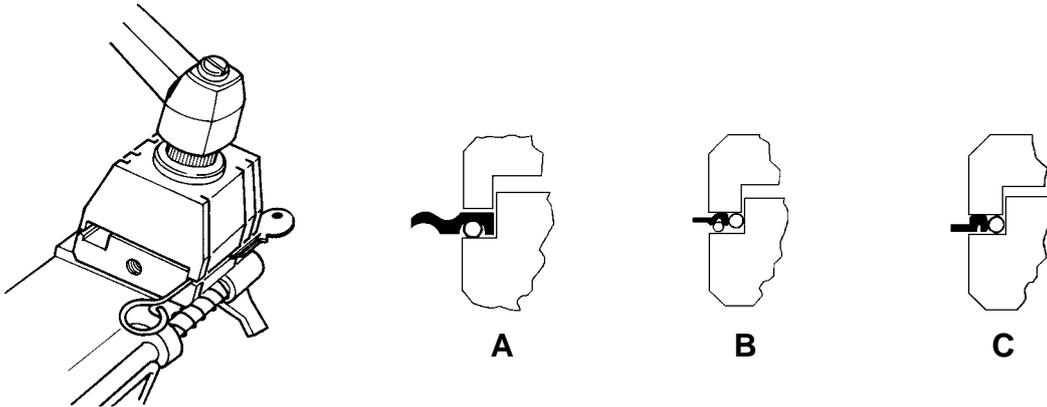


Fig. 10

### Using the bars

The bars provided are used for cutting pin keys and as a tip rest for locking keys with no stop (fig. 12).

#### Cutting pin keys using bars

All types of pin keys (90°) can be cut with the RIGEL EU clamps and the aid of the bars.

Positioning pin keys:

- 1) Leave the gauges in the idle position.
- 2) Insert the bars with neck into the slot in the clamps.
- 3) Butt the key stop against the bars (fig. 11).
- 4) Secure the keys in the clamps.
- 5) Remove the bars from the clamp grooves to prevent it being touched by the tracer point or cutting tool.
- 6) Cut the first side.
- 7) Repeat the operation, turning the keys in the same direction for the other positions

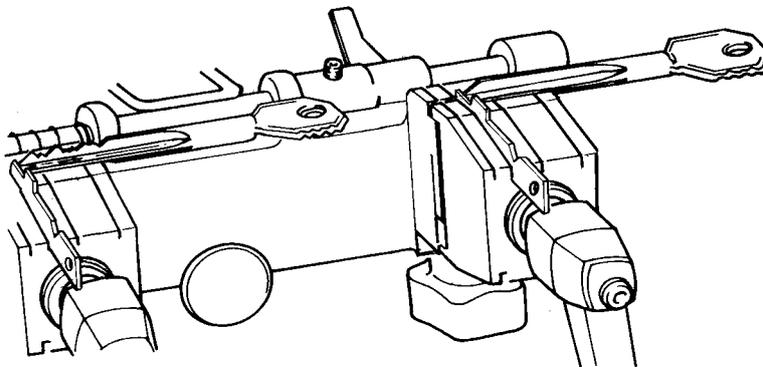


Fig. 11

### Tip stop with a bar

The bars can be used with keys which have no stop (fig. 12). Proceed as follows:

- 1) Leave the gauges in the idle position.
- 2) Insert the bars into the slot in the clamps.
- 3) Rest the tip of the key against the bar.
- 4) Secure the key and remove the bar.

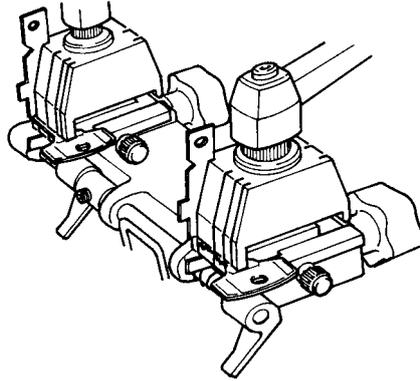


Fig. 12

## 8 MAINTENANCE

Although the RIGEL EU key-cutting machine does not require special maintenance, it is advisable to check and, if necessary, replace the parts subject to wear, such as: the belt, cutting tool, brush, tracer point. Replacement is simple and can be carried out by the operator.

### CLEANING

Keep the carriage and clamps free of chippings from the cutting operations by cleaning with a dry brush.

**ATTENTION: do not use compressed air!**

Before starting any type of maintenance (checks or replacements), read the instructions below:

- never carry out maintenance or servicing with the machine switched on.
- always remove the mains plug.
- follow all the instructions in the manual to the letter.
- use original spare parts.
- always check that any screws or nuts removed when replacing a piece are properly tightened.

### 8.1 Replacing the cutting tool

In order to substitute the cutting tool you don't need to remove the cutting tool cover. To replace a worn cutting tool, proceed as follows:

**ATTENTION: Remove the mains plug.**

- 1) Remove the cover.
- 1) Slot the locking rod (standard) into the hole of the cutting tool shaft (fig. 13).
- 2) Use the spanner provided to loosen the cutting tool locking nut.
- 3) With the spanner provided loosen the cutting tool locking nut.

**ATTENTION: The thread is left-handed.**

- 4) Remove the worn cutting tool.
- 5) Carefully clean the new cutting tool and its seat.
- 6) Install the new cutting tool and tighten the nut.

**ATTENTION: The tool rotates clockwise.**

- 7) Remove the locking pin
- 8) Replace the cover.

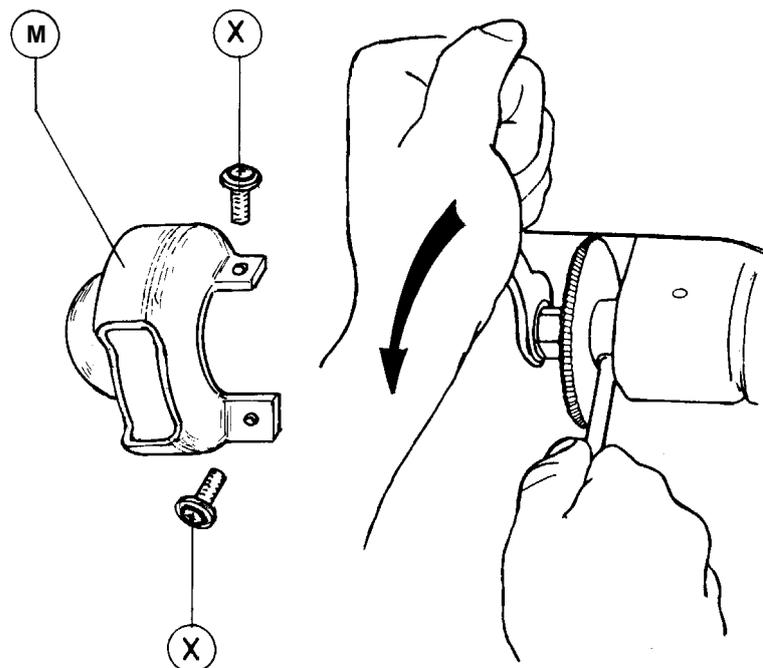


Fig. 13

## 8.2 Replacing the brush

When the brush no longer cleans off the burrs it must be replaced as follows:

**ATTENTION: Remove the mains plug.**

- 1) Place the spanner provided in position on the motor shaft.
- 2) Use the Allen wrench to loosen the screw holding the brush in place .
- 3) Replace the brush and tighten the screw with the Allen wrench.
- 4) Remove the spanner from the motor shaft.fig. 14

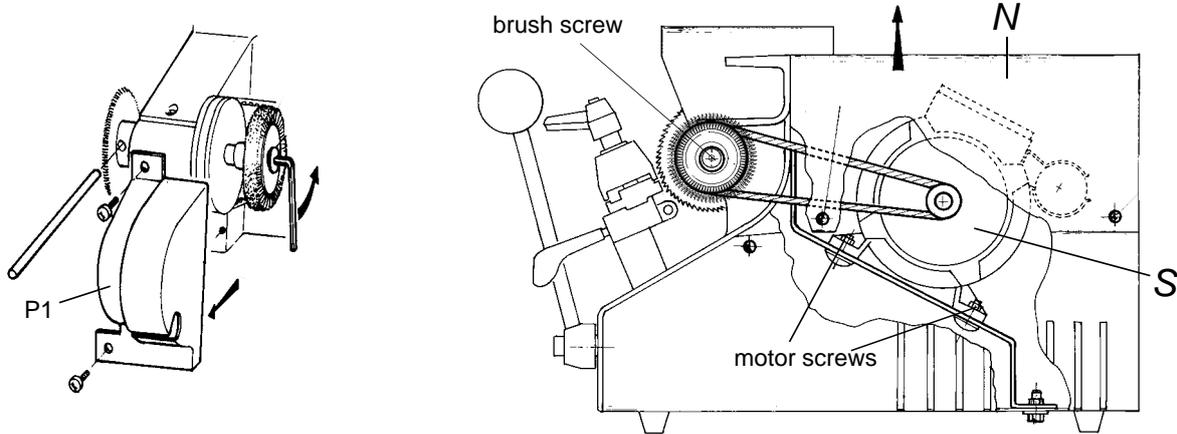


Fig. 14

## 8.3 Replacing the belt

Worn or loose belts must be replaced or adjusted so as to ensure safe and proper operation of the cutting tool/ brush.

**Replacement:**

**ATTENTION: Remove the mains plug.**

- 1) Remove the motor cover (N).
- 2) Loosen the four screws which fix the motor (S) to the base.
- 3) Raise the motor and remove the worn belt.
- 4) Fit the new belt.
- 5) Push the motor down until the proper belt tension is obtained.
- 6) Tighten the four screws.

## 8.4 Replacing the tracer point

To replace the tracer point (I), proceed as follows :

**ATTENTION: Remove the mains plug.**

- 1) Remove the motor cover.
- 2) Loosen the screw (J)
- 3) Loosen the grub screw (Z).
- 4) Loosen the tracer point by turning it anticlockwise until is fully released.
- 5) Fit the new tracer point.
- 6) Tighten the grub screw (Z).
- 7) Tighten the screw (J).
- 8) Re-set the machine as described in chap. 6, page 13.

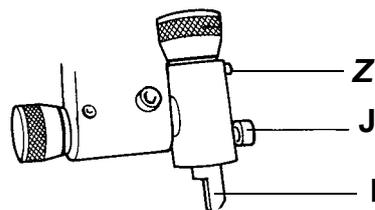


Fig. 15

## 8.5 Replacing the fuses

**ATTENTION: Remove the mains plug.**

- 1) Unplug the power cable from the key-cutting machine socket.
- 2) Turn the key-cutting machine to the right so that the fuse box is easily reached.
- 3) Remove the fuses box placed below the key-cutting machine socket (fig. 16).
- 4) Replace the fuses (U)(fig. 16).
- 5) Close the fuses box and connect the power cable.

**ATTENTION: fuses must always be replaced with others of the same type (rapid) and with the same Amps (4 Amps for the 230V machine, 8 Amps for the 110V machine)**

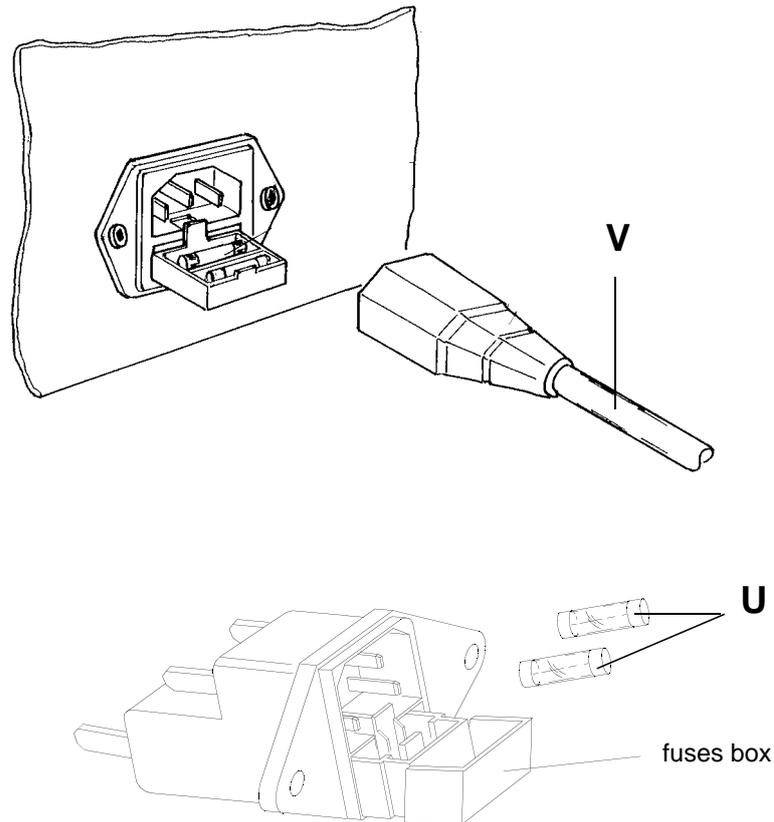


Fig. 16

## 9 WASTE DISPOSAL

EU regulations establish special arrangements for the disposal of waste (\*\*).

### Waste deriving from cutting operations

Although residue coming from the key-cutting operations is classified as special waste, it is included in solid urban waste (SUW) as metal wool.

Such waste is sorted according to its classification under current Italian and EU law and consigned to the proper disposal units.

Cases where waste can be considered contaminated or containing toxic/harmful substances sufficient to transform it from SUW to toxic/harmful waste, are listed in the enclosures to current Italian and EU waste disposal regulations.

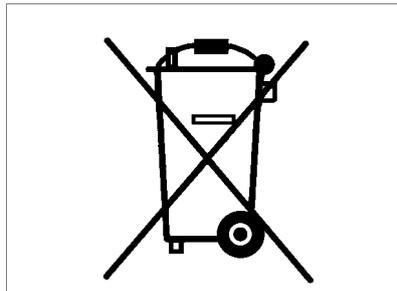
### Cutting machine

The RIGEL EU key-cutting machine is designed for many years of operation and is also re-usable. Recycling is a recommended ecological practice.

### Packing

The RIGEL EU is consigned in a cardboard packing box which can be re-used if undamaged. When it is to be thrown away it is classified as solid urban waste and should be placed in the special paper collecting bins.

The protective shell containing the machine is in polymer, classified as SUW, and can therefore be placed in an ordinary waste bin.



### INFORMATION FOR USERS

*as per art. 10 of Directive 2002/96/CE of 27/01/2003  
regarding waste from electric and electronic appliances (RAEE),*

- The symbol illustrated above, also found on the machine, indicates that it has been placed on the market and must be included in separate rubbish collection when the user wishes to dispose of it (including all components, sub-assemblies and consumables that are integrated in the product).
- For information about the collection system for such appliances please contact SILCA S.p.A. or another subject registered in the various National Rolls for other countries in the European Union. Household waste (or of similar origin) can be included in the separate collection system for urban waste.
- On purchasing a new appliance of equivalent type, the old one can be consigned to the dealer. The dealer will then contact whoever is responsible for collecting the appliance.
- Suitable separate collection of the unused appliance and its dispatch for treatment, recovery and environmentally compatible disposal, makes it possible to avoid potential negative effects on the environment and human health, and aids recycling and the recovery of the materials used.
- Unauthorised disposal of the product by users involves the application of the sanctions provided for in received Directives 91/156/CE and 91/689/CE.

(\*\*) "Waste" is any substance or object deriving from human activity or natural cycles, thrown away or to be thrown away.

## **10 ASSISTANCE**

ILCO ORION provides full assistance to purchasers of the RIGEL EU key-cutting machine. To ensure complete safety for the operator, any job not specified in this manual should be carried out by the manufacturer or in the special Service Centres recommended by ILCO ORION. On the back cover of this manual is a list of the manufacturer's addresses; listed below are the addresses of specialised Service Centres.

### **10.1 How to request service**

The guarantee attached to RIGEL EU key-cutting machines ensures free repairs or replacements of faulty parts within six months of purchase. All other service calls must be arranged by the customer with ILCO ORION or with a ILCO ORION service centre.



VITTORIO VENETO 11/11/2005

## CE DECLARATION OF MACHINE COMPLIANCE

**SILCA S.p.A. - VIA PODGORA 20 (Z.I.)  
31029 VITTORIO VENETO (TV) - (ITALY)  
TEL. 0438 9136 - FAX. 0438 913800**

Declares under its own responsibility that the **Key-cutting machine** model

### RIGEL

complies with the requirements of the following European Directives:

European Union **DIRECTIVE 98/37/CEE** (Machines)  
and with the EN 292/1 – EN 292/2 Standards

European Union **DIRECTIVE 89/336/CEE** (Electromagnetic Compatibility)  
and with the EN 55014-1:2000 + A1:2001 + A2:2002 / EN 61000 – 3 – 2 :2000  
EN 61000 – 3 – 3:1995 + A1:2001 Standards

European Union **DIRECTIVE 73/23/CEE** (Low Voltage)  
and with the EN 60204-1 Standards

| 03 |

General Manager Basic Production Center

Corrado Fischer

