NEOLT


# User's Manual

## SUPER TRIM - TEXTILE PLUS

# TEXTILE SUPER TRIM

# 165 / 280 / 340

The original instructions are the ones in Italian.

Revisions

| REVISION | DATE | NOTES | VERSION |
|---|---|---|---|
| 01 | 16/11/2009 | First edition | NLT.QG_TX-50-MM-9-1S-GB |
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**USER MANUAL**

Edition - **ENGLISH** **Cod. NLT.QG_TX-50-MM-9-1S-GB**

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# CONTENTS

## Data of the manual 1.1

- Operator manual. **TRIMMER**
- manual code: **NLT.QG_TX-50-MM-9-1S-GB.**

## Users 1.2

Operator manual.

- Carrier.
- Installer.
- User.
- Maintenance technician.
- Dismantler.

✓ For further information on the users of this manual, please see Section 2.2 *Qualification of the personnel*.

## Property of information 1.3

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NEOLT S.p.A. declares that the information contained in this manual are consistent with the technical and safety specifications of the relevant machine. The manufacturer will not be liable for any direct or indirect damage to persons, goods or domestic animals resulting from the use of this documentation or of the machine in conditions different from the foreseen ones.

NEOLT S.p.A. reserves the right to introduce changes or improvements on this documentation and on the relevant machines without previous notice; in case, also to machines of the same model to which this manual refers, but marketed with a different serial number. The information contained in this manual refers in particular to the machine specified in the Section *1.6 Machine identification data.*

# Conventions 1.4

## Conventional terms 1.4.1

**Machine:** indicates the machine specified in section *1.6 Machine identification data.*

**Frame:** structure supporting the machine.

**Qualified personnel:** individuals that, thanks to their skill and experience, and their knowledge of the relevant rules, safety standards and operating conditions, are able to recognise and avoid any possible danger for persons, and any possible damage to the working material and to the machine.

The description of **direction, sense and position** (right side of the machine, left side of the machine) refers to the operator standing in front of the machine.

## Typographic conventional signs 1.4.2

*Text in italic:* indicates the title of a chapter, a section, a sub-section, a paragraph, a table, or a figure of this manual or of another related publication.

**1** (example of a generic number): symbolic representation of a command or signalling device.

**A** (example of generic letter): symbolic representation of a part of the machine.

✓ Notes contains important information, given outside the text to which they refer.


Danger indication indicates those procedures that, if not respected, can cause injuries to the operator. The manufacturer will not be liable for possible damages to persons resulting from the non observance of these indications.


Warning indications indicates those procedures that, if not respected, can result in damages to the product or to attached devices. The manufacturer will not be liable for possible damages to objects resulting from the non observance of these indications.

## Manufacturer identification data 1.5

**NEOLT S.p.A.**

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## Machine identification data 1.6

| | |
|---|---|
| **Name** | Trimmer |
| **Model** | **Textile super trim** |
| **Serial number** | |
| **Year of construction** | |

## EC conformity certification 1.7

Annex *A CE conformity certification* includes a copy of the CE conformity certification of the machine.

## Warranty 1.8

NEOLT S.p.A. warranty covers the machine for one year.
Warranty does not include consumables and parts undergoing to normal wear. Warranty covers only the replacement or the repairing of originally defective parts.
Faults and causes will be examined at NEOLT S.p.A. facilities.
Warranty will be voided in case the machine is used for applications not foreseen, in case of abuse or excessive use. In case non original spares are installed, and in case the indications of this manual are non respected.

In no cases, the purchaser can enforce the resolution of the contract, damages claim or a prolongation of the warranty period.

✓ NEOLT S.p.A. cannot be held responsible for any negative advertisement, or loss of earnings, due to technical or mechanical malfunctioning of the product in use or in display.

✓ The correct and safe operation of the machine is guaranteed only if it is used in compliance with what is outlined in the manual and the relevant documentation. NEOLT S.p.A. cannot be held responsible for damages to people or things caused by an improper use of the machine or by modifications not previously authorized by the manufacturer himself.

## Service 1.9

On request, NEOLT S.p.A. supplies the service needed for the installation and the maintenance of the machine.
For assistance or information please contact;

**NEOLT S.p.A.**
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## Use of this manual 1.10

Please read carefully the following chapters: *General information, Information on safety, and Characteristics of the machine*.

✓ For any transport, installation, usage, maintenance and dismantling operation, please refer to the relevant chapter.
This manual and the attached documentation must be kept during all the whole useful life of the machine, in order to be easily available in case of need.
In case this machine should be sold, it has to be delivered together with this manual and the attached documentation.

## Description of the machine 1.11

### Foreseen uses 1.11.1

The machine its used to cut fabric or synthetic media up to **8 mm**).
As the machine consists of assemblies physically separated and autonomous, the proper use of the machine can be identified also in the operation of a single part.

*Foreseen modes of use*

The installation and the extraordinary maintenance of the machine must be performed by qualified personnel.
The machine has been designed to be used in a site having the following features:

- Protection against atmospheric agents.
- Adequate illumination.
- Allowed range of temperature: from 18°C to 35°C.
- allowed humidity range: from 30 % to 80 %.
- Power requirements:
  - Single phase voltage: 230V/240V 50Hz
  - Absorption: max.2,1A (mod.165) max.2,6A (mod.280/340)

  - Single phase voltage: 110V/60Hz
  - Absorption: max.4A (mod.165) max.5,2A (mod.280/340)

- Compressed air 7/8 bar

## Forbidden uses 1.11.2

Any usage not expressly indicated in Section *1.10.1 Foreseen uses* are forbidden, and in particular:

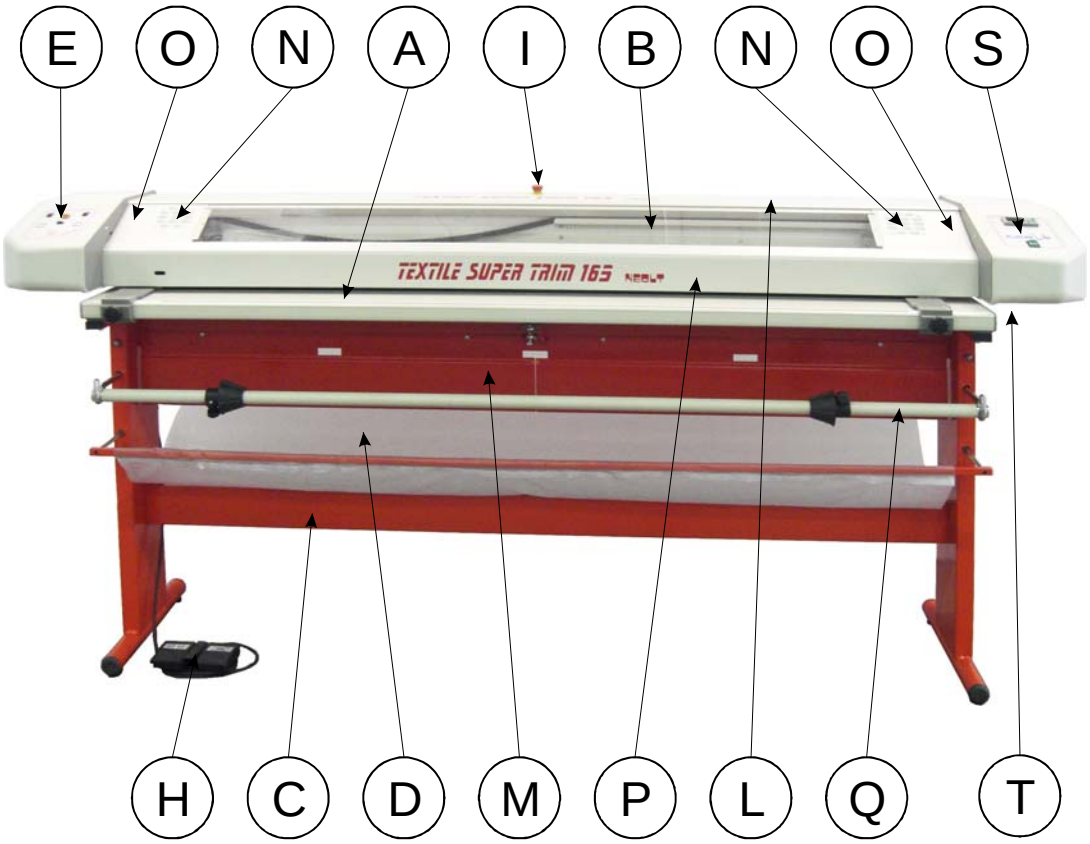
- Any application different from the ones for which the machine has been designed represent an abnormal condition, and it can result in a damage to the machine structure.
- Its use without the protections and the shields supplied with the machine; in particular without the fixed covers preventing access to internal parts.
- The non compliance with the procedures described in this manual, and specially those concerning maintenance and repairing.
- The use of the machine in a site where fire and explosion risks are present, as the machine is not provided with explosion proof devices.
- Its use in an explosive environment.
- Its use in a flammable environment.

## Structure of the machine 1.11.3

The machine is composed of the following parts:

A Insertion table
B Plexiglas protection
C Support
D Paper collecting drape
E Control keys
F ON/OFF switch
G Power socket
H Operating pedal
I Emergency switch
L Back upper cover
M Protection sheet
N Fans
O Laser beam
P Pressure clamping bar
Q Optional roll holder


R Blade pressure adjustment
S switch for temperature control blade cutting
T Compressed air



## Safety criteria 2.1

During designing and manufacturing of this machine, all criteria and care in order to satisfy the essential safety requirements foreseen by the relevant rules have been taken into account.

The accurate evaluation of the risks performed by the manufacturer has allowed to eliminate most of the risks concerning the usage conditions of the machine, both foreseen and reasonably foreseeable.

Full documentation covering the measures adopted for safety purposes is included I the technical file of the machine, and it is available with the manufacturer.

The manufacturer recommends to strictly comply with the instructions, procedures and recommendations contained in this manual and with the work place safety rules in force, also as far as the use of the provided protection devices are concerned, both integrated on the machine and for personal protection.

✓ NEOLT S.p.A. will not be responsible in case of damage to persons, domestic animals or goods resulting from the non compliance with the safety rules and the recommendations contained in the supplied documentation.

### LASER module specifications 2.1.1

| | |
|---|---|
| Laser class | CEI,76-2 |
| Rule | CEI EN 60825-1-1995 laser class **3 A**. |
| Emission | < 5mW |

*Safety*
**3 A** class lasers, in the wavelengths range between 400 and 700 nm, do not require special safety interlocks or keys for their operation.

## Personnel qualification 2.2

| During technical life of the machine | Qualification of the responsible |
|---|---|
| Transport | Qualified carrier |
| Installation | Qualified personnel |
| Use | Qualified personnel |
| Standard maintenance | Qualified personnel |
| Extraordinary maintenance | Engineers authorised by NEOLT S.p.A. |
| Dismantling | Qualified personnel |

## Protections 2.3

✓ NEOLT S.p.A. will not be responsible in case of damage to persons, domestic animals or goods resulting from the non compliance with the safety rules and the recommendations contained in the supplied documentation.

⚠ Tampering of protections and safety devices result in risks for the machine users and other persons operating in the area.

✓ NEOLT S.p.A. will not be responsible in case of damage to persons, domestic animals or goods resulting from tampering of the protections.

### Protections 2.3.1

The machine is provided with the following protections.

*Interlocked mobile protections:*

- Front, back and lateral protection panels
- Protection plates for fans
- Plexiglas

## Active protection devices 2.3.2

- Interlocked devices (rear cover, Plexiglas and protection panel).
- Indirect safety operation – Protection Equipotent Circuit.
- The machine is provided with a Stop/Emergency button ***(Fig. 2.1)***.
- Carriage stroke end sensors.

*Fig. 2. 1*

# Dangerous area and residual risks 2.4

Any area closed to the machine where a person is exposed to injuries or health risk is to be considered dangerous.

Pay particular attention to your hands during cutting operations.

During some procedure on this machine, as specifically indicated in this manual, there could be residual risks for the operator. Residual risks can be prevented by carefully respecting the procedure indicated in this manual, and using the indicated protection devices. Some examples:

*Fig. 2. 2*

- Do not step on the power cable and avoid to damage it.
- Never place the power cable in a position where it can be damaged.
- Maintenance and service operations must be performed only by engineers authorise by the manufacturer.
- Pay attention to the warning labels applied to the trimmer ***(Fig. 2.2)***.
- During operation, avoid direct exposition to the LASER beam.
- Attention: performing procedures or operations on LASERS different from the specified ones can result in exposition to dangerous radiation levels.
- Attention: before any interventions on the cut blade wait until the same reaches the environment temperature, since the temperature of job its around 275°C.

NEOLT S.p.A. will not be responsible in case of damage to persons, domestic animals or goods resulting from the non respect of the prescribed cautions or to the non use of the prescribed protection devices.

## Noise 2.5

Data on the acoustic emission produced by a machine identical to the one described in this manual, measured as indicated by the “Machines Directive” (2006/42/CE).

Medium level of acoustic pressure weighted continuous equivalent, around the machine at one meter of distance:

- During operation: lower than 60 db.

### Information on dangers due to noise 2.5.1

The levels of the indicated acoustic emission do not necessarily imply safe exposure levels for the worker. Obviously, the exposure levels for the worker depends on the emission levels of the machine; anyhow, also other factors can affect the exposition levels for the worker: i.e. duration of the exposure, characteristics of the site, and the presence of other machines. In any case, the emission levels of this machine enables the user to evaluate the dangers due to acoustic emission.

A continuous use of the machine and of the machinery possibly present in the installation site could result in a high daily personal exposition to acoustic emission.
In case the daily exposition should be equal to 85 dB(A) or higher, we suggest the use of protection devices (headset, era plugs, etc.).
In case the daily exposition should be equal to 90 dB(A) or higher, the use of protective devices (headset, era plugs, etc.). is mandatory.
For further information on protection to be applied, please refer to the local rules on this matter.

## Technical specifications 3.1

| MODEL | 165 | 280 | 340 |
|---|---|---|---|
| Max. cutting thickness (mm) | **8** | **8** | **8** |
| Usable cutting length (cm) | 165 | 280 | 340 |
| Length (cm) | 250 | 366 | 421 |
| Width (cm) | 58 | 58 | 58 |
| Height (with holder) (cm) | 112 | 112 | 112 |
| Height of working table (cm) | 91 | 91 | 91 |
| Total weight (kg) | 105 | 150 | 200 |
| Roll holder | - | - | - |
| Power | 230V/50Hz | | |
| Consumption | 500W | 600W | |
| Air pressure | 6/7 Bar | | |
| Carriage speed | max.0,5m/sec | | |
| Temperature blade cutting | from 0°C to 275°C | | |

## Power requirements 3.2

- Single phase voltage and frequency: 230V/240V 50Hz
- Absorption: max.2,5A (mod.165) max.3A (mod.280) max.3,5A (mod.340)

- Single phase voltage and frequency: 110V/60Hz
- Absorption: max.2,5A (mod.165) max.3A (mod.280) max.4A (mod.340)

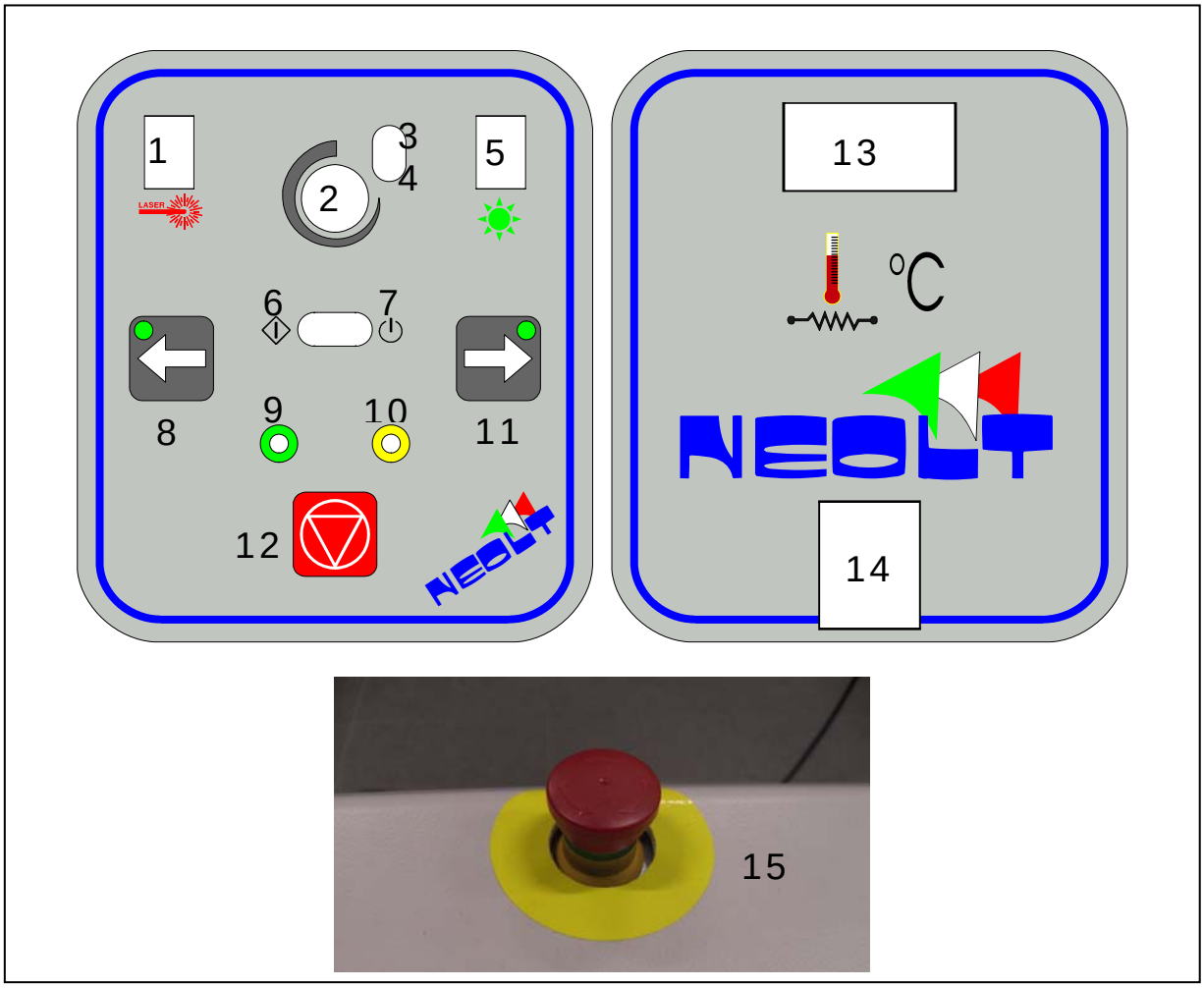
- Compressed air 7/8 bar

*Responsibility*

✓ NEOLT S.p.A. will never be liable for inconvenient or faults resulting as a consequence of the non respect of the provided power requirements.

## KEYBOARD COMMANDS 4.1

The keyboard consists of command and programming keys easy to understand.
To use the operative keys, switch on the machine and proceed as follows.




| Key | Description |
|---|---|
| 1 | ***Laser switch***<br>Switch on the laser beam. |
| 2 | ***Potentiometer***<br>Knob to adjust the speed of the cutter carriage |
| 3 | ***Green led***<br>The green led is on if the motor is running correctly. |

| Key | Description |
|---|---|
| 4 | ***Yellow led***<br>The yellow led is on when there is a failure in the main motor.. |
| 5 | ***Lamps switch***<br>Switch to light the lamps illuminating the working table. |
| 6 | ***Motor switch***<br>Carriage movement motor on. |
| 7 | ***Motor switch***<br>Carriage movement motor standby |
| 8 | ***Cut key***<br>Pressing this key, the cutting process starts from right to left. |
| 9 | ***Green LED***<br>This led is on when the machine is powered, and it flashes during the opening/close movement of the sheet clamp. |
| 10 | ***Yellow LED***<br>This LED is on and flashed in case an erroneous command is given.<br>It keeps flashing until the command is reset.<br>This LED is on during the sheet clamp closure when the sheet clamp is in position |
| 11 | ***Cut key***<br>Pressing this key, the cutting stage starts from left to right.<br><br>In case the carriage is on the right stroke end, the yellow LED flashes to indicate a command error<br>Press the reset key, than press the appropriate cutting key |
| 12 | ***Reset or stop key***<br>This key is used to clear an operation in case of faulty command, or to stop a current move. |

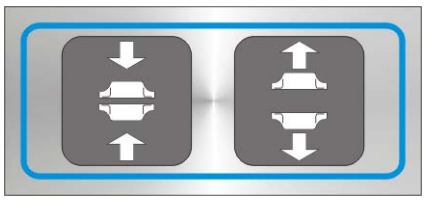
| Key | Description |
|---|---|
| 13 | ***Cut blade control temperature***<br>Display and command to visualize and ad just the temperature of the cut blade. |
| 14 | ***Heater switch***<br>Switch to turn on the heater to warming up the cut blade. |
| 15 | ***Stop/Emergency button***<br>Pressing this button, all functions of the machine will be stop. To unlock this button, turn it clockwise. |

Inserting tap for the pressure air 6 mm of diameter.

# FOOTSWITCH COMMANDS and BLADE ADJUSTMENT 4.2

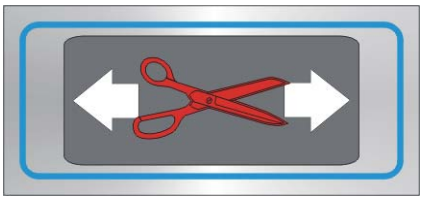
*Fig. 4.3 Footswitch*


16



***On/off pressure clamp pedal switch***
Pressing this footswitch, it starts the sheet clamp closing procedure, if it is open, or its opening procedure, if it is closed.
Pressing it just once, the sheet clamp will automatically open or close up to its stroke end.

17



***Cut pedal switch***
Pressing this footswitch, it will start the cutting phase from right to left, when the carriage is on the right stroke end, or from left to right, when it is on the left stroke end.
The cut footswitch is active only when the sheet clamp is closed and the material to be trimmed is securely locked

18

***Rotating blade pressure adjustment***
Rotate the key clockwise to increase the pressure of the rotating blade on the fixed blade.
Rotate the key counter clockwise to decrease the pressure of the rotating blade on the fixed blade

# Qualification of the operator 5.1

Transport, installation and connection operations must be performed only by personnel qualified in transportation and electrical operations.

# Transport 5.2

## Transport conditions 5.2.1

The trimmer is shipped with a packaging consisting of three cardboards 1 for components protection, and of a carton box 2 containing all the components. *Fig. 5.1 Transport conditions*.

The packaging size and its gross weight (trimmer plus packaging) are the following:

| MODELLO | 165 | 280 | 340 |
|---|---|---|---|
| Size (WxDxH - cm) | | 380x72x57 | 437x72x57 |
| Weight (gross) | | 250 | 280 |

⚠ Please use suitable lifting devices and accessories, complying to the rules in force.

✓ To avoid shocks and turnover, apply the needed care. Protect the machine against external atmospheric agents.

*Fig. 5.1 Transport conditions*


## Check for damages during transport 5.2.2

Visually inspect the conditions of the machine, possibly after its removal from the packaging. Possible deformations of visible parts indicates shocks occurred during transportation which could affect the proper operation of the machine.

In particular, verify the following parts for good conditions:

- Carriage Plexiglas protection.
- Footswitch.
- Illumination lamps.

In general, check screws and bolts for tightness.

# Assembling 5.3

- Open the packaging box 2 containing all the components.
- Remove the protection cardboard 1 .

For this operation, minimum 4 persons are required.

- Install the support, assembling the lower traverse 3 and the upper one 4 with the right and left legs, using the provided screws and bushing 5.

While assembling the upper traverse, pay attention that the six ferules supporting the working table 6 are facing upwards.

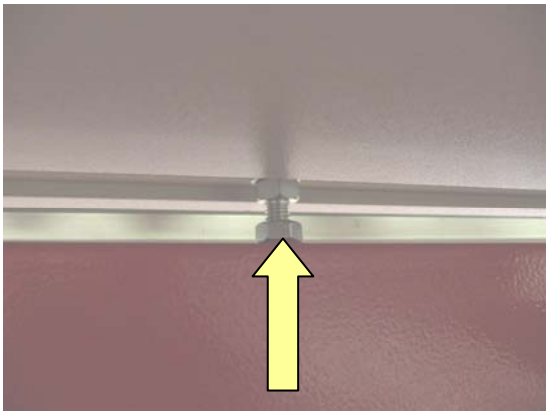
3

3

4

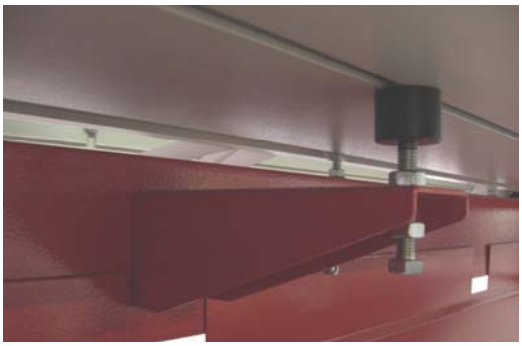
5

6



Fix the external supports 7 on the upper traverse and adjust the rubber piece to get them in contact with the working table.

7



- Install the protection metal sheet 8 fixing it on the upper traverse 8a with the provided screws.

8

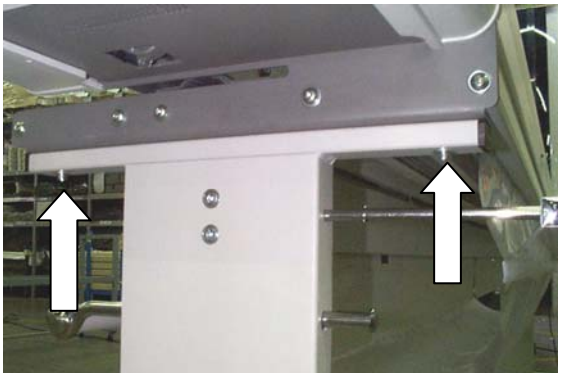
8a

As the trimmer is very heavy, wear proper working gloves, and remember that for this operation minimum four persons are required.

- Place the trimmer on the assembled support 10 fixing it on the support itself with the provided screws (2 for side) 11.

10

11

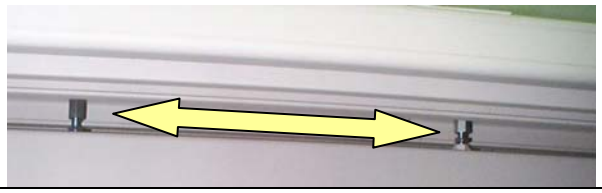


After having positioned the trimmer on its bench, the parallelism of the working table must be adjusted operating as follows:

- Align a set of paper sheets 12 on the table, along its length,
- Lower the sheet clamp and, pulling a sheets one by one, identify the one which is not locked by the sheet clamp.
- Under the working table there are six ferules 13, adjust the one closest to the unclamped sheet to have it pushing up the working table, until the sheet will be clamped.
- Verify all the sheet placed on the working table, and adjust the rubber pieces until they will touch the table itself, then lock the rubber pieces 13a.

12

13



13a

## Paper collection sheet installation 5.3.1

- Tender the sheet on the machine, with the Velcro strip facing up, and insert the black plastic rod in the only slot of the sheet itself 14.
- With the plastic rod in the slot, insert the assembly in the groove on the profile of the back side of the working table. 14

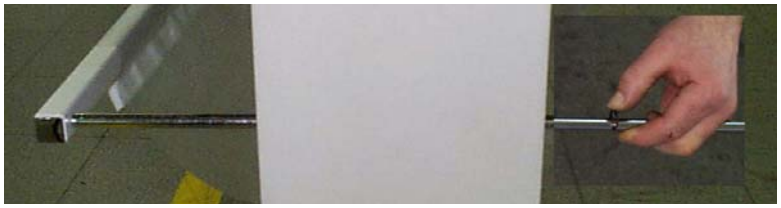
14

14

- Install the sheet holding rods on the bench 15, first behind and then on the front, inserting the round rod in the through hole on the shoulder of the bench, and securing it with a Benzing ring on each side in the proper seats on the round piece.

15

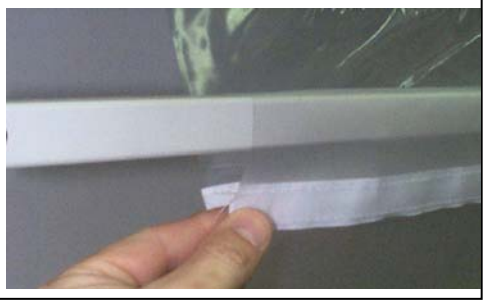
15



- Screw the sheet holding square rod previously inserted in the shoulder.
- Secure the sheet with the Velcro strips around the sheet holding rods 15.

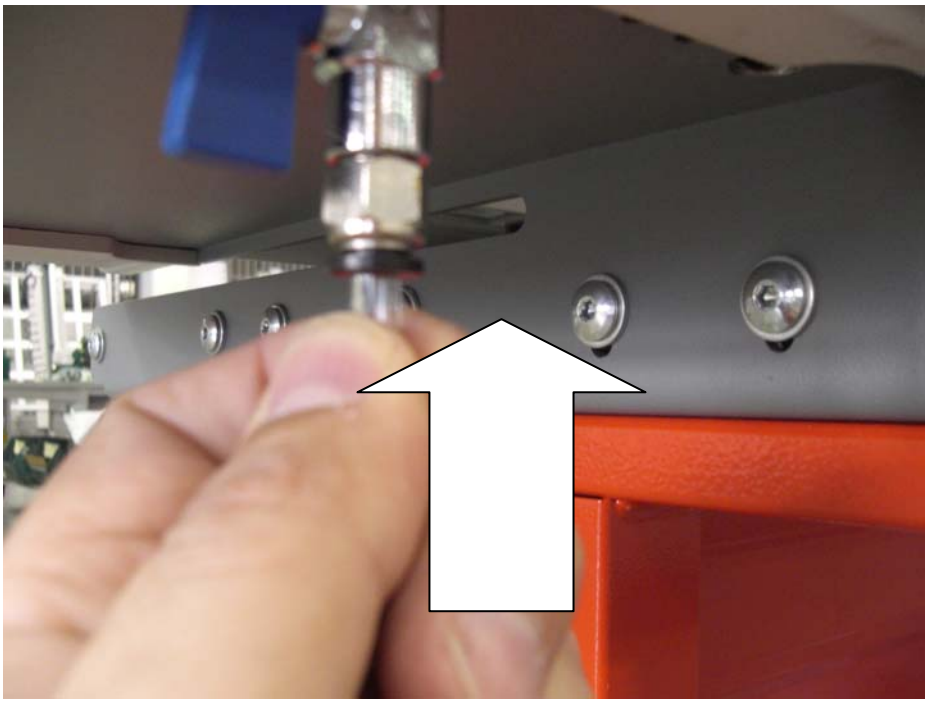
15

16



- Connect the trimmer to a socked with ground, avoiding any kind of adaptor between the plug of the trimmer and the socket.
- Place the ON/OFF switch on the “ON” position.

Insert in the air tap a tube having 6 mm of diameter.




✓ As the machine is factory tested, no further adaptation is required.

## Coil holder installation 5.4

To install the roll holder accessory, operate as follows:

- Insert the roll holder supports in the right and left legs 1.

1

- Insert the roll holder in the seats of the support you just mounted 2.

2

## Storage 5.5

The instructions contained in this section should be respected during temporary storage periods, which could occur in the following situations:

- Installation of the machine delayed with respect of the delivery date.
- Deactivation of the machine and consequent storage while waiting for a new installation.

### Characteristics 5.5.1

- Temperature range allowed: from 5°C to 35°C
- Humidity range allowed: from 30 % to 80 %.
- Adequate artificial or natural illumination.
- Adequate protection against atmospheric agents.
- Sufficient clearance to perform the needed transport and lifting operations.
- Horizontal floor space capable to hold the weight of the machine.
- Sufficient clearance to perform the standard maintenance and service operations.

# Location 5.6

## Characteristics of the location area 5.6.1

*Power supply*
Close to the location area a power source as described in *3.2 Power requirements* is required

*Space requirements*
For the normal operation of the machine, loading and unloading operations included, the needed space depends on the size of the media to be cut.

*Protection against atmospheric agents*
The machine must be placed indoor in a room protected from the direct contact wit the atmospheric agents.

*Flooring*
Prepare an horizontal supporting plane where to install the machine, taking into account the weight of the machine itself and of all the ancillary devices.

Optimal stability condition ca be achieved with a maximum planarity error of ± … mm/m.

*Illumination*
For a proper operation and maintenance of the machine, a good illumination is required (approximately 200 - 600 lux).

*Atmospheric characteristics of the area*
- Allowed Temperature: from 18°C to 35°C
- Allowed humidity: from 30 % to 80 %.without condensate. Ideal humidity ~55%, with max temperature 40°C.

*General operating features*
- Do not use the machine in explosive atmospheres.
- Do not use the machine near acids, corrosive substances, salt, etc.
- Do not use the machine near ionizing and non ionizing radiations (X-rays, microwaves, ultra-violet rays).

## Electric and compressed air connection 5.6.2

Verify that the mains are adequate for the power requirements of the machine.

Electric risks. Perform the grounding connection before any other electrical connection.

- Install a breaker on the line powering the machine.
- Connect the power cable to a socket featuring proper specifications, or directly to the mains (feeder bus-bars, branch box).
- Activate the line powering the machine.

- The customer must be install the following electrical contacts (see chapter 3.2)


- Compressed air 7/8 bar

## Test 5.6.3

Before attempting the normal and continuous operation of the machine, check its appropriate general operation by performing some test cuts.

In case vibrations or abnormal noise are detected, switch off immediately the machine and identify the cause.

# Qualification of the operator 6.1

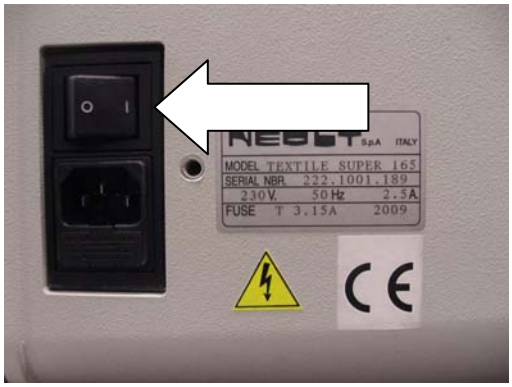
The machine must be used by qualified personnel only

## Workplace 6.1.1

Position of the operator: During start up and cutting, operator's positing is in front of the machine, with the control panel in the centre. In case of maintenance, his position depends on the operation to be performed.

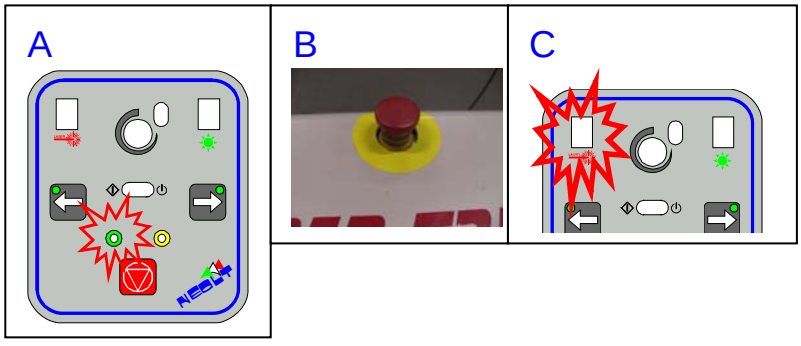
## Machine switch on 6.1.2

The main switch is located in the lower left side, behind the left cover. Once the main switch will be in ON position, the green LED on the keyboard A will on,
Open the air tap for the correct use of the pressure clamp,




the trimmer will be ready to operate.

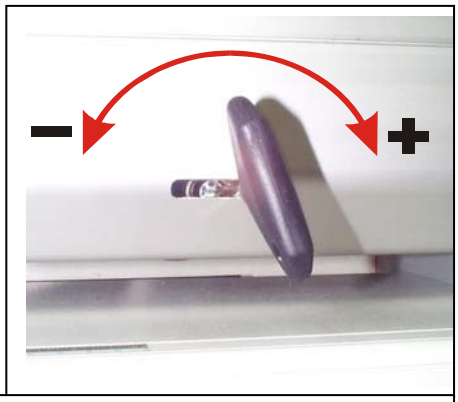
- In case the green LED does not light, unlock the emergency button B on the profile of the back cover.
- To switch on the LASER, press the relevant button on the top left corner of the keyboard C. **Attention**: when the LASER is on, the Plexiglas protection must always be in its position



## Insertion of the media to be cut 6.1.3

To start the cutting procedure, operate as follows:

- Verify that the position of the carriage is completely to the left or the right (preferably to the left)
- Adjust the pressure of the rotating blade in relation to the fixed blade by rotating the key clockwise to increase the pressure or counterclockwise to decrease the pressure.
- We suggest increasing the pressure to obtain a good trimming for rigid media with low thickness. We suggest decreasing the pressure for soft media and high thickness.
- **After adjusting the pressure remove the adjustment key to avoid damaging the carriage.**
- Place the media to be cut on the insertion table, and size the cut by means of the millimetres rules on the table. In case the media carries cutting marks, the LASER tracer can be used to position the material along the cutting line.



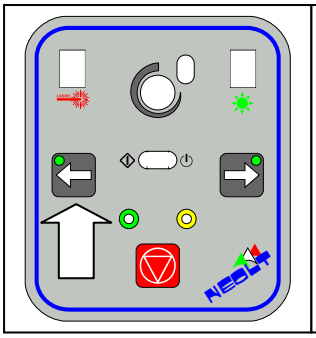

- Once the media to be cut is properly set, lock it with the clamping bar, pressing the footswitch E.

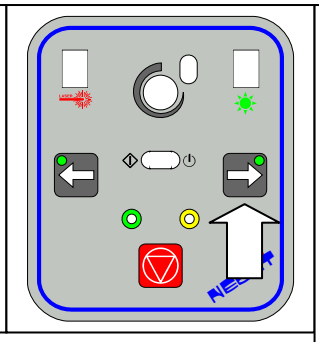
✓ In order to perform the cut, the machine must comply with two conditions:

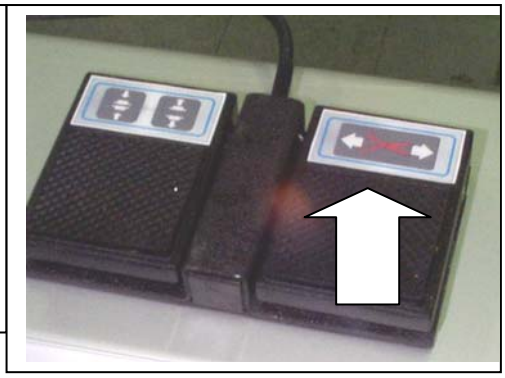
The emergency button B must be unlocked,
The sheet clamping bar must be down.

E

- The material can be trimmed by performing a cut on both directions, depending on the position of the carriage, and pressing the proper key on the keyboard.
- Or with the footswitch, pressing it just once.







Lift up the pressure clamp and remove the trimmed media.

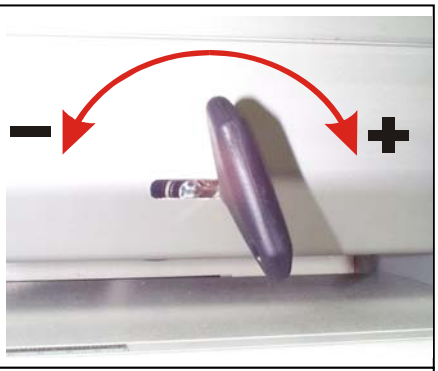
- Remove the trimmed media from the insertion table and the cut part from the paper collecting sheet.
- To perform a new cut, repeat the operation described above

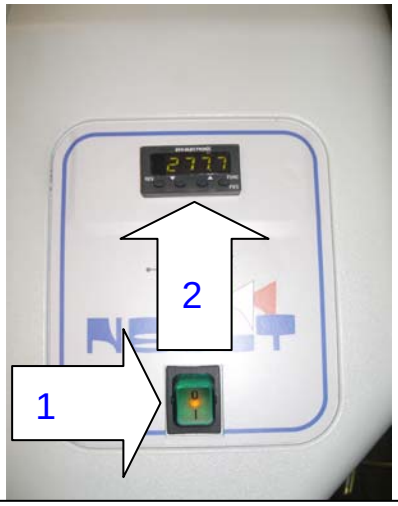
We strongly recommend not to place any object on the insertion table.

## Start up procedure for hot cut 6.1.4

We suggest the hot cut, specific for fabrics
To start working, please proceed as follows:

- Make sure the carriage position is completely on the left or right side ( better on the left).
- adjust the pressure of the rotary blade in relation to the fixed blade turning the key clockwise to increase the pressure or counterclockwise to decrease it.
- We suggest you increase the pressure to get better results with rigid materials with a small thickness. We suggest instead you decrease the pressure with soft materials with higher thicknesses.
- **After having adjusted the pressure, remove the key to avoid any damages to the carriage.**
- To warming up the cut blade turn on the switch located on the right key board 1
- the display 2 shows the current temperature of the cutting blade, to set the blade temperature, press the key **FUNC**, the display shows the writing **SP** and then the temperature you have chosen, press the keys with the **arrows** to increase or decrease the temperature, up to a a max of 275C , press again the key **FUNC** or wait about 5 sec. to leave the configuration.
- Place the substrate on the entry plane and, through the millimetric scales present on it, measure the cut. Or if some reference cuts are already present on the media, you can use a laser ray to place the material along the cutting line.

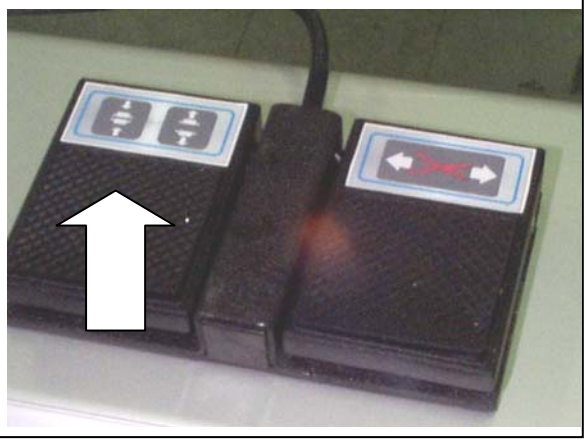




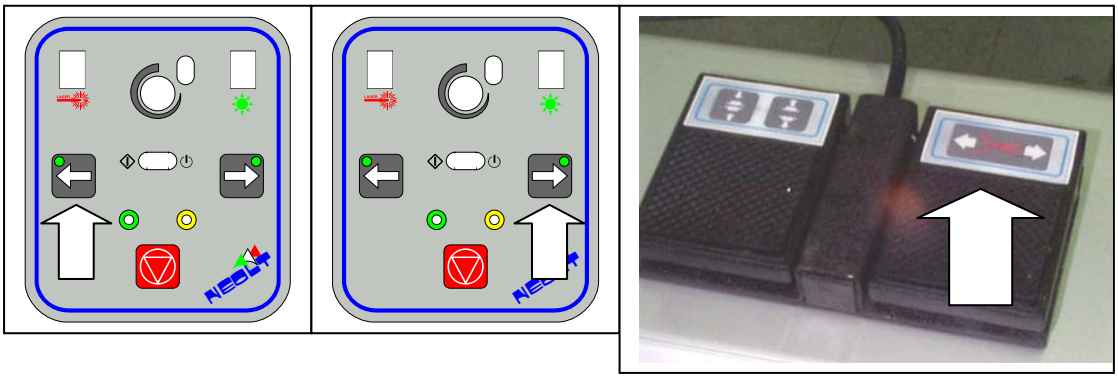
- After insert the media into the trimmer lock it by the pressure clamp pressing the pedal switch. E

E



✓ The machine to be able to perform the cut process, has to satisfy two condition:
The emergency key must be unlocked and the pressure clap must be in a work position.

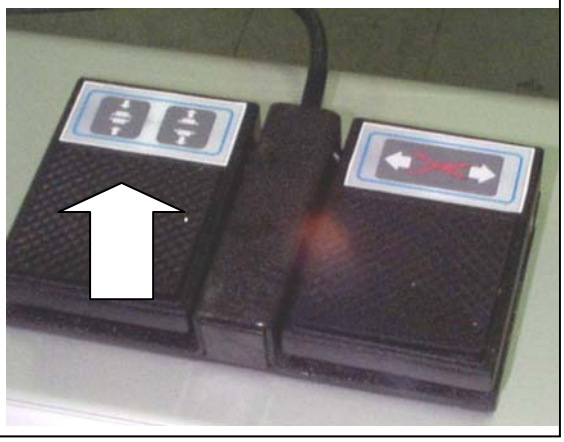
The media can be trimmed, performing the cut in both senses of march, in base to the position of the carriage and pressing, from keyboard, the appropriate key.
Or from pedal switch pressing the same once.



- Lift up the pressure clamp and remove the cut part of the media. E

- Repeat again the same procedure to cut another part if media.

E



## Characteristics of the media to be cut 6.1.5

This trimmer has been designed to cut only media having the basic weight indicated in this manual. Given the large thickness of the materials which can be trimmed, it is possible to adjust the carriage speed. We suggest to use a low speed for large thickness, and to increase the speed for smaller thickness

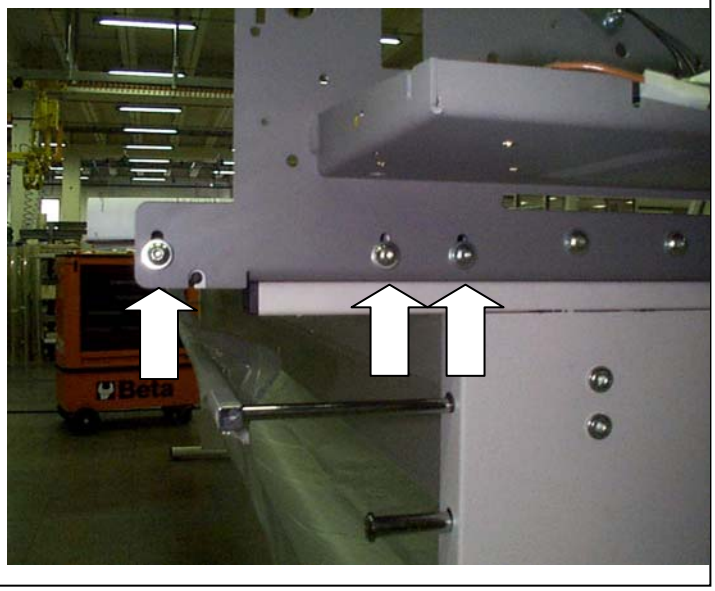
We recommend to not attempt to cut material having features different from the specified ones, as the machine could be seriously damaged.

## Adjustment of the back working table 6.1.6

The height of the back working table can be adjusted. Normally, it is at its lowest position, in order to facilitate the output of the trimmed material, and to make easier the removal of the material, which could be locked and so prevent the stroke of the carriage after the cutting.

To adjust the height of the back working table, unscrew the three screws on each side securing it to the shoulders G. After the adjustment, tight again all the screws.

G



## LASER beam adjustment 6.1.7

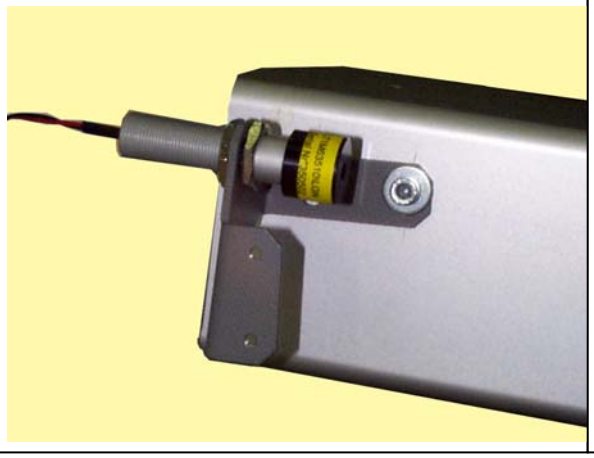
✓ As the machine is factory adjusted and calibrated, no further adjustments are needed.

In case the LASER beam should be re-adjusted along the cutting line, operate as follows:

- Switch off the machine and disconnect it from the mains.
- Remove the Plexiglas cover
- Remove the metal sheet covering the LASER beam emitter I.
- Adjust the plate holding the emitter and align it with the cutting line L.
- After having adjusted the direction of the LASER beam, screw again the metal sheet covering the emitter, while adjusting it in order to have the beam directed only along the cutting line.

As there are two LASER emitters, they must be aligned both.

I



L

# Routine maintenance 7.1

There are risks of electric shocks and uncontrolled movements during maintenance operations. Disconnect the machine from the power source.

Routine maintenance includes all the periodic and preventive operations enabling a safe use of the machine.

## Qualification of the operator 7.1.1

Routine maintenance must be performed by qualified personnel.

## Procedure 7.1.2

Perform the periodical operations listed in the following table.

| *Operation to be performed* | *Frequency* | *Procedure* | *Cautions* |
|---|---|---|---|
| Dust removal. | When necessary. | • Wipe the whole surface of the machine with a wet cloth. | Do not use aggressive products. |
| Removal of waste material. | When the waste material accumulation is excessive. | • Remove the Plexiglas cover.<br>• With a vacuum cleaner or compressed air. eliminate the accumulated waste material. | Ware working gloves. |
| Replacement of the main fuse (*see fuse specification in Table 3.2*) | When the fuse is burned out. | • Open the fuse holder connector<br>• Remove the burned fuse.<br>• Replace the fuse with a new one.<br>   | Disconnect the machine from the power source. |

| Operation to be performed | Frequency | Procedure | Cautions |
|---|---|---|---|
| The carriage stops during a cutting operation | The thickness of the material to be cut exceeds the suggested value | • To restore the correct position of the carriage, press the reset button  | Attention: the trimmer is still powered |
| The lamps do not glow at the machine switch on | Worn or burned out lamps<br>Glow switch to be replaced | • Remove the Plexiglas profile unscrewing the fixing screws<br>• Remove the two lateral covers unscrewing the screws securing them to the shoulder.<br>• Unscrew the screws fixing the back profile to the shoulder of the machine and remove the profile. | This operation has always to be performed with the machine switched off and disconnected from the power source. |
| Replacement of lamps, glow switches and reactors | When the lamps do not glow pressing the relevant switch | • Disconnect the machine from the power source.<br>• Remove the two lateral covers<br>• Unscrew the screws fixing the profile cover to the shoulders and the two screws on the back fixing the lamps to the lower profile.<br>• Remove the profile and replace the faulty lamp, or the faulty reactor, or the faulty glow switch.<br>• Assemble all pieces and verify the operation of the replaced parts. | Physically disconnect the machine from the power source |

| Operation to be performed | Frequency | Procedure | Cautions |
|---|---|---|---|
| LASER tracer | When the laser beam does not light activating the relevant switch | • Remove the Plexiglas protection<br>• With a meter, verify that the inlet voltage on the LASER power unit is 24VAC. If no voltage is detected, check electric connections ad fuses.<br>• With a meter, verify that the outlet voltage on the LASER power unit is 6VAC. If no voltage is detected, replace the LASER power unit.<br>• In case both voltages are not detected, check connections between the LASER power unit and the LASR emitter. If necessary, replace the emitter.<br>  | Physically disconnect the machine from the power source |

## Extraordinary maintenance 7.2

For any extraordinary maintenance operation not described in this manual, please contact directly NEOLT S.p.A.

## Qualification of the operator 8.1

The dismantling of the machine must be performed by qualified personnel.

## Deactivation of the machine 8.2

Once the useful life of the machine has been reached, the machine must be deactivated. The dismantling of the machine, in order to prevent its use for the purposes for which is was designed and manufactured, should anyhow allow the re-use of the raw materials used for its manufacturing.

✓ NEOLT S.p.A. will never be responsible for damages to persons, goods or domestic animals resulting from the re-use of single parts of the machine for functions or situations different from the original ones.

### Procedure 8.2.1

- Disconnect the machine from the power source.
- In case the machine has to be displaced, see section *5.2 Transport*.

The machine is manufactured with non bio-degradable materials. Dispose it in compliance with the local rules.

If for any reason it is necessary to shutdown the machine, it is necessary to follow some fundamental rules to protect the environment.
Aluminium, Iron, Plastic, generic electric material and electronic boards must be disassembled and disposed of separately. Qualified personnel must carry out these operations.

According to the information we received from our suppliers, we declare that the product complies with the Directive RoHS and that it does not contain substances forbidden by the standards beyond the maximum levels allowed.
DIRECTIVE 2002/95/CE

To comply with the RAEE standards the label with crossed container applied on certain details indicates that the product must not be disposed of through the normal procedure used for household waste. To avoid any damages to the environment and human health, separate this product from other domestic waste so that it can be recycled according to the procedures in force for the protection of the environment. For more details on the available collection structures, contact the competent local office

*The original language version is ITALIAN*

**Manufacturer**

| | |
| --- | --- |
| NEOLT | NEOLT S.p.A. |
| Via Galileo Galilei, 8<br>24036 Ponte S. Pietro - BERGAMO -ITALY- | Tel. +39 035 468 811<br>Fax +39 035 468 886 |

**Name and address of the person allowed to prepare the technical data:**

| | |
| --- | --- |
| **Pierangelo Poleni** | Via Galileo Galilei, 8<br>24036 Ponte S. Pietro - BERGAMO -ITALY- |

**Machine description:**

| | |
| --- | --- |
| Generic name | *Trimming Cutter* |
| Brand | *NEOLT* |
| Model | *TEXTILE PLUS 165 / 280 / 340* |
| Use | *Cutting paper and textiles in roll* |
| Serial number | -------- |
| Commercial name | *SUPER TRIM – TEXTILE PLUS* |
| Accessories in equipment | |

**The undersigned company DECLARES on its own responsibility that the machine this declaration refers to conforms to the norms of the:**

- **directive 2006/42/CE (Machine directive)**
- **directive 2004/108/CE (Electromagnetic compatibility directive)**
- **directive 2006/95/CE (Low Voltage Directive)**

Place and date of preparation

Ponte San Pietro xxxxxxxxxx

Name, function and signature

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2009