

# NEOLT



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## FOAM TRIM PRO

205

250

310



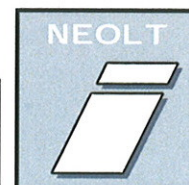
MANUALE D'USO  
USER'S MANUAL  
MANUEL UTILISATEUR  
ANWENDER HANDBUCH  
MANUAL DEL USUARIO



# CONTENTS

□ SECTOR: FOAM TRIM PRO  
□ VERSION: FTP-02-03/09/2004

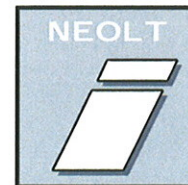
□ DATE: 03/09/2001  
□ WRITTEN BY: POLENI P.



<b>Chapter 1</b>	<b>General information .....</b>	<b>1</b>
1.1	Data of the manual .....	1-1
1.2	Users .....	1-1
1.3	Property of the information.....	1-1
1.4	Conventions used .....	1-2
1.4.1	Conventional terms used .....	1-2
1.4.2	Conventional symbols used .....	1-2
1.5	Identification data of the manufacturer .....	1-3
1.6	Identification data of the machine .....	1-3
1.7	Warranty.....	1-4
1.8	Assistance .....	1-4
1.9	Use of the manual.....	1-4
1.10	Description of the machine .....	1-5
1.10.1	Correct use .....	1-5
1.10.2	Incorrect use .....	1-5
1.10.3	Structure of the machine .....	1-6
<b>Chapter 2</b>	<b>Safety information.....</b>	<b>2</b>
2.1	Safety criteria.....	2-1
2.1.1	Technical specifications of LASER module optional.....	2-1
2.2	Qualifications of the personnel.....	2-2
2.3	Responsibility .....	2-2
2.3.1	Protection.....	2-2
2.4	Danger zones and residual risks.....	2-3
<b>Chapter 3</b>	<b>Characteristics of the machine.....</b>	<b>3</b>
3.1	Technical specifications.....	3-1
3.2	Power data of optional LASER tracer.....	3-1
3.3	Machine performances .....	3-1
3.3.1	Table of materials .....	3-2
<b>Chapter 4</b>	<b>Installation .....</b>	<b>4</b>
4.1	Qualifications of the operator .....	4-1
4.2	Transportation .....	4-1
4.2.1	Transportation conditions.....	4-1
4.2.2	Assessment of damages during transportation.....	4-2
4.3	Assembly .....	4-3
4.3.1	Assembly of table and fixing trimmer.....	4-3
4.3.2	Adjustment of work table.....	4-4
4.3.3	Assembly of blade.....	4-5
4.4	Storage .....	4-6
4.4.1	Characteristics .....	4-6
4.5	Placing of the machine .....	4-7
4.5.1	Characteristics of the area the machine is placed in .....	4-7
4.5.2	Testing .....	4-8

# CONTENTS

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<b>Chapter 5 Use .....</b>	<b>5</b>
5.1 Qualifications of the operator .....	5-1
5.1.1 Place of work .....	5-1
5.2 Feeding the media to cut .....	5-2
5.2.1 Characteristics of the media to cut .....	5-4
<b>Chapter 6 Maintenance .....</b>	<b>6</b>
6.1 Ordinary maintenance .....	6-1
6.1.1 Qualifications of the operator .....	6-1
6.1.2 Procedures .....	6-1
6.2 Extraordinary maintenance .....	6-2
<b>Chapter 8 Demolition.....</b>	<b>7</b>
7.1 Qualifications of the operator .....	7-1
7.2 Deactivation of the machine.....	7-1
7.2.1 Procedures .....	7-1
<b>Attachment A Assembly and adjustment.</b>	
<b>LASER tracer- optional .....</b>	<b>A</b>
A.1 Procedure .....	A-1
A.1.1 Wiring of optional LASER tracer .....	A-2
A.1.2 Use of LASER tracer for cutting operations .....	A-3



### Data of the manual

1.1

Instruction manual.  
Code of Manual

NLT.QU-I-AQ-MM-4-2S-GB

### Users

1.2

Instruction manual.

- Transporter.
- Installer.
- User.
- Maintenance personnel.
- Demolition squad.



For further details on the users of this manual, see 2.2 *Qualifications of the personnel*.

### Property of the information

1.3

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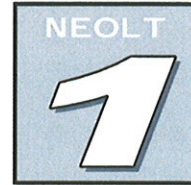
This manual should be kept for future reference.

This manual cannot be reproduced or copied, as a whole or in parts, without prior written authorization of **NEOLT S.p.A.** These documents are provided only for the use of the client whom the manual has been supplied to with the machine, and can be used only for the installation, use and maintenance of the machine the manual refers to.

**NEOLT S.p.A.** states that the information of this manual complies with the technical and safety requirements of the machine the manual refers to. The manufacturer cannot be held responsible for any direct or indirect damages to people, objects or animals due to the use of these documents or of the machine in conditions other than those authorized.

**NEOLT S.p.A.** reserves the right to change or improve, without notice, these documents and these machines, and also other machines marketed of the same model as the one this manual refers to but with a different serial number. The information of this manual particularly refers to the machine specified in 1.6 Identification data of the machine.





### Conventions used

1.4

#### Conventional terms used

1.4.1

**Machine:** indicates the machine specified in 1.6. *Identification data of the machine.*

**Frame:** bearing structure of the machine.

**Qualified personnel:** people, who thanks to their knowledge and preparation and experience, as well as thanks to the knowledge of the relevant rules, safety requirements and service norms, are able to recognize and avoid any possible danger for the people, the material and the machine.

The descriptions of **direction, sense and position** (on the right of the machine, on the left of the machine) refer to the position of the operator in front of the machine.

#### Conventional symbols used

1.4.2

Text in italics: indicates the title of a chapter, a section, a sub-section, a paragraph, a table or an illustration of this manual, or another reference manual.

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

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



Notes contain important information, and are pointed out after the text they refer to.



The danger symbols indicate those procedures which, if not respected, could cause physical damages to the operator. The manufacturer cannot be held responsible for any damages to people due to noncompliance with these norms.



The warning symbols indicate those procedures which, if not respected, could damage the machines or the devices connected to it. The manufacturer cannot be held responsible for any damages to objects due to the noncompliance with these norms.



### **Identification data of the manufacturer**

**1.5**

**neolt S.p.A.**

Via G. Galilei 8  
24036 Ponte San Pietro (BG) - ITALY

Tel. 035/468811

Fax 035/468886

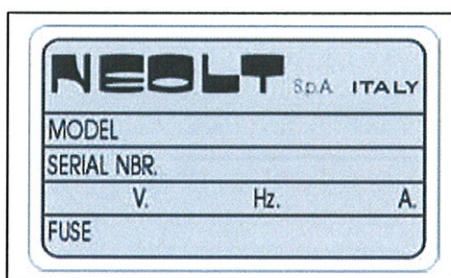
<http://www.neolt.it>

E-mail.: [mkt@neolt.it](mailto:mkt@neolt.it)

### **Identification data of the machine**

**1.6**

Type	TRIMMER
Model	Foam trim PRO
Serial Number	
Year of Construction	







### **Warranty**

**1.7**

NEOLT S.p.A. offers a one year warranty on the machine.

The parts subject to normal wear out are not included in the warranty. The warranty is limited to the substitution or repair of the parts that should result damaged or defected.

The assessment of the defects and causes is carried out by NEOLT S.p.A.

The warranty is cancelled if the machine is used incorrectly, or in an improper or excessive way, if any non-original spare parts are used and for noncompliance with the standards of this manual.

In no case can the purchaser demand the resolution of the contract, claim for damages or the extension of the warranty.

### **Assistance**

**1.8**

NEOLT S.p.A. provides, upon request, assistance for the installation and the maintenance of the machine.

### **Use of the manual**

**1.9**

Carefully read the chapters *General information*, *Safety information*, *Characteristics of the machine* and *Operator interface*.



Please consult the relevant chapter for any transportation, installation, use, maintenance and demolition operation.

This manual and the enclosed documentation must be kept for the entire technical life of the machine in order to consult it quickly when necessary.

If the machine is sold as second-hand, this manual and the enclosed documentation must be supplied along with the product.



### Description of the machine

1.10

#### Correct use of the machine

1.10.1

The machine must be used only to cut the media which it has been designed for (FOAM - SEMI-FOAM PVC) *see table of media paragraph 3.3.1.*

The machine is made of physically independent and autonomous groups, therefore the proper use of the machine also refers to the correct functioning of only one part of it.

##### Use of the machine

The installation and the maintenance of the machine must be carried out by qualified personnel only.

The machine was designed to be used in an area with the following characteristics:

- Protection from atmospherics.
- Proper illumination.
- Temperatures between 18° C and 35° C
- Amount of humidity from: from 30 % to 80 %.
- Power supply, optional LASER tracer, with the following characteristics:
  - Voltage and single-phase frequency: 230V/240V 50Hz – (110V/60Hz).
  - Absorption: max. 0,2A – (max. 0,5A).

#### Incorrect use of the machine

1.10.2

Any use other than that indicated in part 1.11.1 *Correct use of the machine* is to be considered incorrect, especially:

- Using the machine in ways which differ from those which it has been designed for, represents an anomalous condition and could therefore damage the structure of the machine.
- Using the machine without its protections and without the safety equipment it is provided with: particularly without the fixed protections that block access to the internal equipment.
- Not observing the procedures of this manual and especially maintenance and repair operations.
- Using the machine in an area at risk of fire or explosions if the machine itself does not have the proper fire equipment.
- Using the machine in areas containing explosive materials.
- Using the machine in an inflammable area.



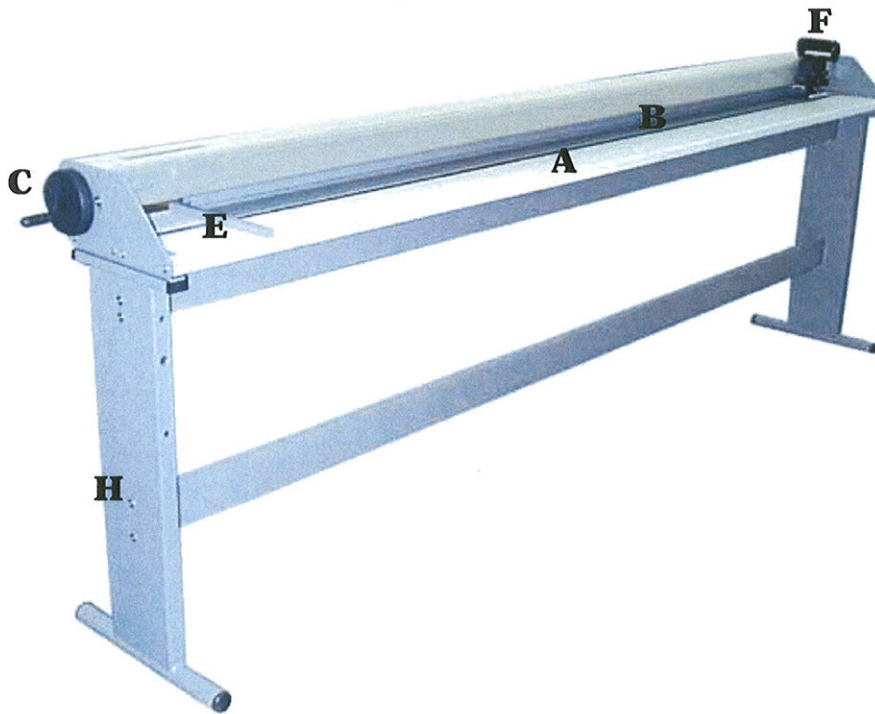
### Structure of the machine

1.10.3

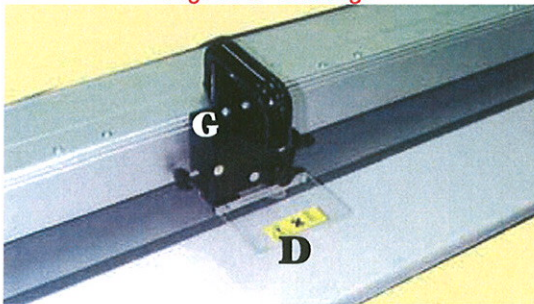
The machine includes the following parts:

- |          |                   |          |                         |
|----------|-------------------|----------|-------------------------|
| <b>A</b> | Feeding table     | <b>F</b> | Handle                  |
| <b>B</b> | Sheet holder bar  | <b>G</b> | Blade holder carriage   |
| <b>C</b> | Sheet holder knob | <b>H</b> | Bench                   |
| <b>D</b> | Plexiglas shield. | <b>I</b> | Laser tracer (optional) |
| <b>E</b> | Reference block   | <b>L</b> | LASER ON/OFF switch     |

*Fig. 1.1 Front view*



*Fig. 1.3 Carriage*



*Fig. 1.2 Optional*





## **Safety criteria**

## **2.1**

The machine has been designed and made in compliance with the essential safety criteria and standards set forth by:

Thanks to the accurate analysis carried out by the manufacturer, most of the risks depending on the conditions of use of the machine, both foreseeable and reasonably foreseeable, have been eliminated.

The manufacturer recommends strictly complying with the instructions, procedures and recommendations of this manual and with the laws in force on the safety in the work place. This also refers to the use of the protection devices foreseen, both those integrated in the machine and personal.

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✓ **NEOLT S.p.A.** cannot be held responsible for any damages to people, pets or objects due to noncompliance with the safety standards and recommendations of these documents

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### **Technical specifications of LASER module optional**

### **2.1.1**

Laser classification	CEI,76-2
Standard	CEI en 60825-1 laser class III a.
Emission	≤10mW a 635nm

#### **Safety**

Class 3a lasers, in a wave length interval between 400 and 700 nm. do not require particular safety locks or keys for their functioning.





## Qualifications of the personnel

**2.2**

Technical life of the machine	Qualification of the operator in charge
Transportation	Qualified transportation
Installation	Qualified personnel
Use	Qualified personnel
Ordinary maintenance	Qualified personnel
Extraordinary maintenance	Technicians appointed by NEOLT S.p.A.
Demolition	Qualified personnel

## Responsibility

**2.3**

✓ NEOLT S.p.A. cannot be held responsible for any damages to people, pets or objects due to noncompliance with the safety standards and recommendations of these documents.

💣 Tampering with the protections and the safety devices is dangerous for the people using the machine and for those exposed to it.

✓ NEOLT S.p.A. cannot be held responsible for any damages to people, pets or objects due to tampering with the protections.

### Protection

**2.3.1**

The machine is provided with the following protections.

Inter-locked moving protections:

- Plexiglas shield of blade holder carriage right side.
- Warning labels and danger signs.

## **Dangerous areas and residual risks**

**2.4**

All the areas around the machine in which people are at risk of injuries or health problems are considered dangerous.

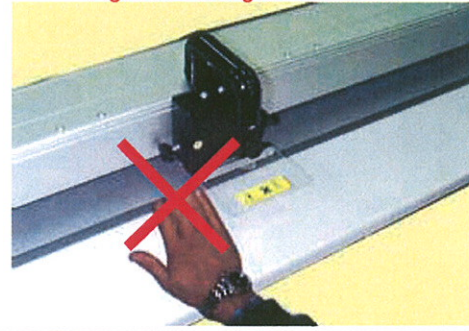


Pay close attention to hands when the sheet holder bar is being lowered and during the cutting operations.

During certain intervention procedures on the machine, which are pointed out each time in this manual, residual risks for the operator may arise. Residual risks can be avoided by carefully complying with the procedures of this manual and using the personal protection devices indicated, such as:

- Maintenance and service operations must be carried out only by the technicians authorized by the manufacturer.
- Pay attention to the danger signs on the trimmer.
- Position the power cable of the optional LASER module so that it is not stepped on or ruined..
- Do not put the power cable of the optional LASER module where it can get damaged.

*Fig. 2. 2 dangerous areas*

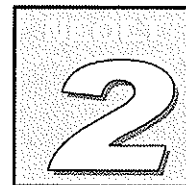


NEOLT S.p.A. cannot be held responsible for any damages to people, animals or objects due to noncompliance with the relevant standards or incorrect use of the prescribed individual protection devices (IPD).



***SAFETY***  
***INFORMATION***

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### Technical specifications

3.1

	205	250	310
<input type="checkbox"/> Max. length of cut (cm)	205	250	310
<input type="checkbox"/> Length (cm)	235	280	340
<input type="checkbox"/> Width (cm)	33	33	33
<input type="checkbox"/> Height with support (cm)	120	120	120
<input type="checkbox"/> Height work table (cm)	91	91	91
<input type="checkbox"/> Weight (Kg)	60	70	80
<input type="checkbox"/> Media	FOAM - SEMI-FOAM PVC		
<input type="checkbox"/> Accessories	LASER tracer		

### Power supply data of optional LASER tracer

3.2

- ☐ Voltage and single-phase frequency: 230V/240V 50Hz – (110V/60Hz).
- ☐ Absorption: max. 0,2A – (max. 0,5A).

#### *Responsibility*

✓ NEOLT S.p.A. cannot be held responsible for problems, defects that should take place due to non-compliance with the power supply values supplied.

### Machine performances

3.3

- ☐ Max cutting thickness. media/FOAM panels 30 mm
- ☐ Max cutting thickness. media /SEMI-FOAM PVC panels 3 mm



## CHARACTERISTICS OF THE MACHINE



### Media table

3.3.1

Materiale	Material	foam trim pro
		Max. spessore taglio Max. cutting thickness 30 mm
Espanso	Corex	X
Sughero	Cork	X
Fogli gommapiuma	Foamboard	X
Cartone rigido	Hardboard	X
Cartone	Mountboard	X
Polistirolo	Polystyrene	X
Gatofoam	Gatofoam	X
Foamex	Foamex	X
Forex	Forex	(MAX 3 mm.)



## Qualifications of the operator

4.1

The transportation, installation and connecting operations of the machine must be carried out by qualified personnel only, transporters and electricians.

## Transportation

4.2

### Transportation conditions

4.2.1

The trimmer is shipped with a packaging including carton sheets **1** a to protect the panels and the top ends of the machines, and everything is then placed inside a carton box **2**.  
*Fig. 4.1 Transportation conditions.*

The size of the packaging and its total weight (packaging and trimmer) are as follows:

	205	250	310
<b>Dimensions (cm)</b>	280x54xh36	370x51xh36	370x51xh36
<b>Dimensions (inches)</b>	110,2x 21,3xh14	145,7x 20xh14	145,7x 20xh14
<b>Weight (gross - kg)</b>	80	100	120
<b>Weight (gross – Lbs.)</b>	176,4	220,5	264,6

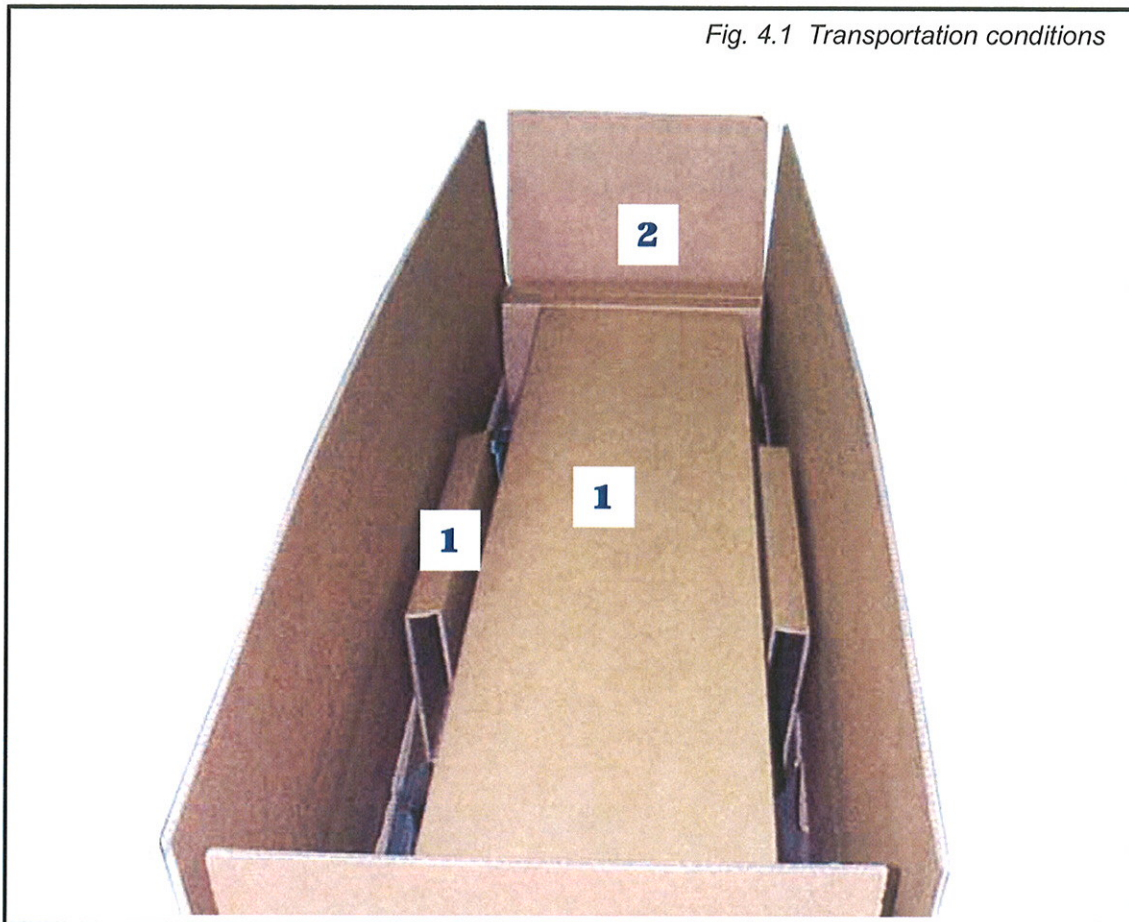


Use only proper lifting means and accessories that comply with the laws in force.



Please take the necessary precautions to avoid any crashes and overturning. Protect the machine from external atmospherics.





### Assessment of damages during transportation

#### 4.2.2

Check the conditions of the machine by visually inspecting it, after having removed it from the shipping box. Any defects on the visible parts of the machine indicate crashes during transportation, which could also affect the normal operation of the machine.

Especially assess the conditions of these parts:

- Carriage Plexiglas shield.

Make sure the screws and nuts are tightly fixed, particularly the screws on the carriage handle, the blade holder and the carriage itself.

## Assembly

### 4.3

#### Assembly of table and fixing the trimmer

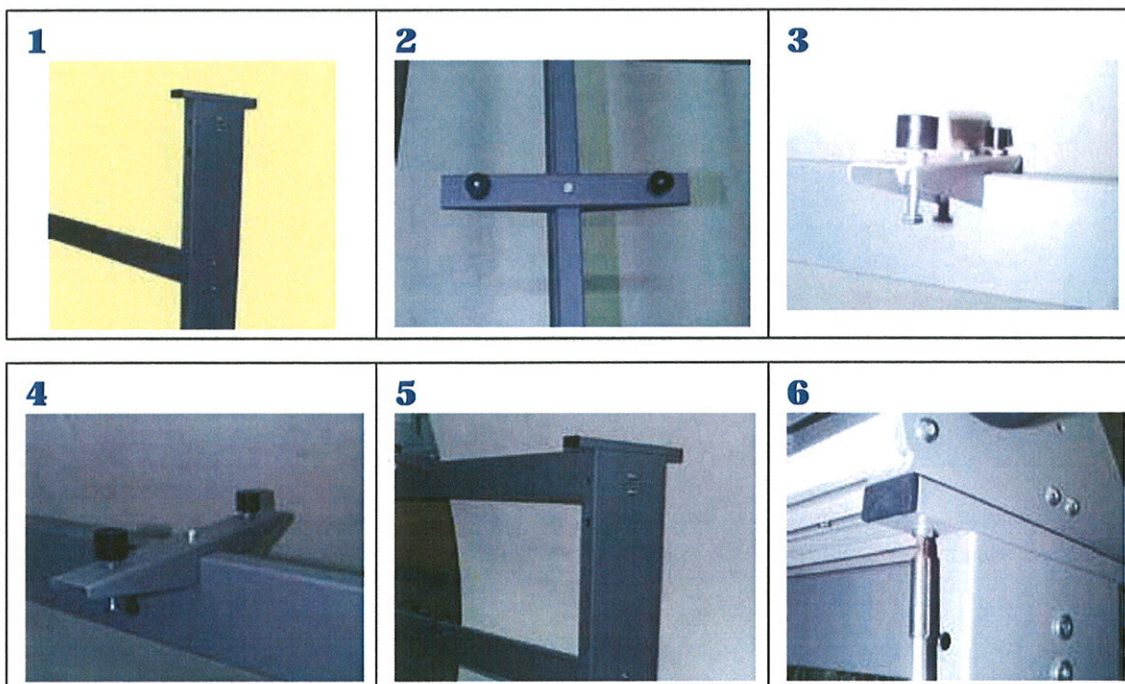
#### 4.3.1

- Open the packaging box **2** which contains all parts (*Fig. 4.1 Transportation conditions*).
- Remove carton protection **1**.



This operation must be carried out by at least four people.

- Remove the trimmer and position it on a flat surface.
- Remove the parts needed to assemble the table:
  - ◊ Two shoulders
  - ◊ Two cross bars, one top and one bottom (The top cross bar differs from the bottom one for the holes with threaded bush, placed on one side).
  - ◊ Shelves to level out the work table.
  - ◊ Bag with the screws and whatever needed to assemble the table.
- Screw on the lower cross bar, first one shoulder and then the other **1**.
- Screw the shelves on the top cross bar **2**. Screw on the thickness on the end of the shelves to level out the table **3-4**.
- Screw the top cross bar to the shoulder, with the shelves used to level out the work table facing upward. **5**.
- Position the trimmer on top of the assembled table and fix it to the table by using the supplied screws. **6**.

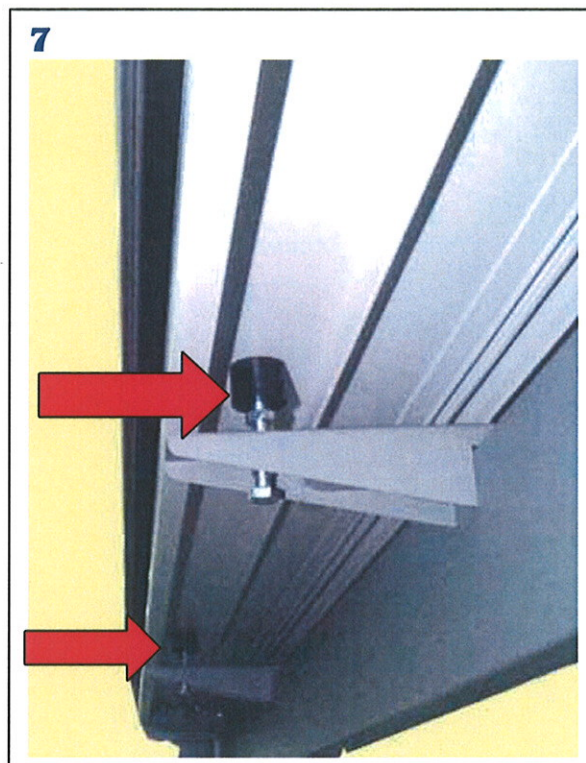




### Adjustment of work table

4.3.2

- Position a blade in the blade holder and fix it to the carriage, see chapter 4.3.3 *BLADE ASSEMBLY*
- Trim a foam sheet about 2 mt. long.
- Position the trimmed foam sheet on the trimmer table.
- Verify that the table and the foam sheet are parallel as follows:
- Adjust the pins under the table, by acting on nut **7**, until you reach the desired level of parallelism.



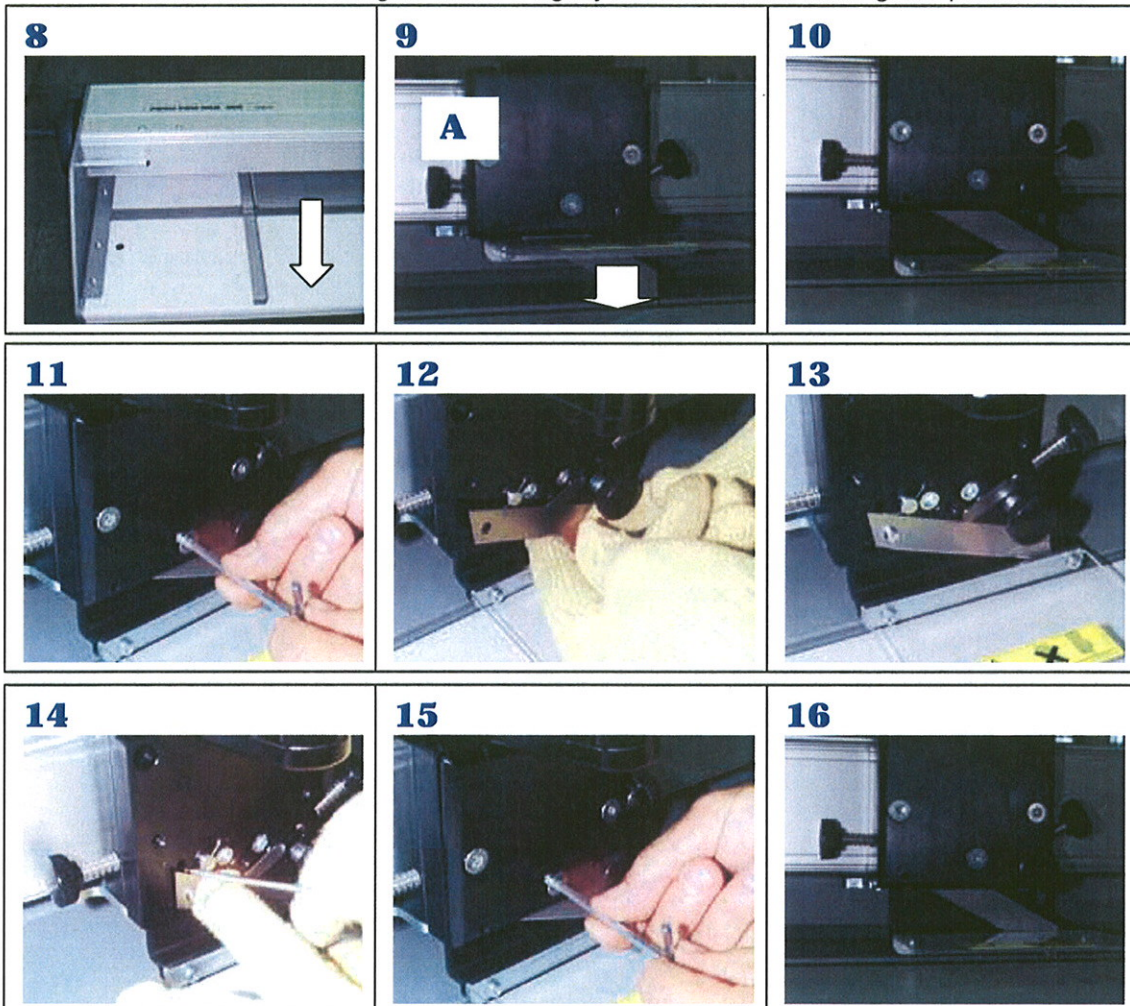
## Assembly of blade

4.3.3



Wear protection gloves while assembling the blades because they are very sharp.

- Completely close the sheet holder **8**.
- Completely lower the blade guide **9-10**, turning the knob **A**.
- Remove the three screws that fix the blade holder carriage cover **11**.
- Assemble the blade by introducing it first in the blade guide and then on the pin fixed on the carriage. **12**.
- Lift the key and push the blade introducing it into the blade holder slot **13**.
- Use a screwdriver to bring the return spring over the profile of the blade. **14**.
- Screw the blade holder carriage back on. **15**.
- Make sure the Plexiglas shield is tightly fastened on the blade guide profile. **16**.







- The trimmer is now ready to start its operating phase.

---

✓ No other adjustments are necessary because the machine is factory tested..

---

## Storage

4.4

The indications contained in this section must be followed during the periods of temporary storage of the machine which could take place in the following situations:

- When the machine is not installed immediately after it is delivered.
- When the machine is disconnected and stored while waiting for it to be relocated.

### Characteristics

4.4.1

- Temperature between: 5°C and 35°C
- Humidity: from 30 % to 80 %.
- Proper natural and/or artificial illumination.
- Proper protection from atmospherics.
- Adequate space to carry out the lifting and transportation operations in a safe and easy way.
- Horizontal surface with a capacity higher than the mass of the machine.
- Adequate space to carry out ordinary maintenance and technical operations



### Placing of the machine

4.5

#### Characteristics of the area the machine is placed in

4.5.1

##### Optional LASER module power supply

The area where the machine is installed must be equipped with the power supply connections described in 3.2 *Power supply data*.

##### Space requirements

For the normal use of the machine and the loading and unloading operations, it is important to have an area directly proportional to the size of the media to cut.

##### Protection from atmospherics

The machine must be placed in a suitably protected room, away from atmospherics.

##### Floor requirements

Prepare the stable horizontal surface of the machine keeping in mind the mass of the machine itself. Also take into account all extra accessories.



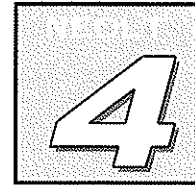
Optimal stability and using conditions can be obtained with a maximum planarity error of  $\pm$  ... mm/m.

##### Illumination

A good illumination is necessary to safely use and carry out maintenance operations (approximately 200 - 600 lux).

##### Atmospheric characteristics of the area

- Temperature: from 18°C to 35°C.
- Humidity: from 30 % to 80 %.



### **Testing**

**4.5.2**

Before using the machine continuously check the general operation of the machine by doing some trial cuttings.



In case of malfunctioning, seek the reason and/or call **NEOLT** technical service.





## **Qualifications of the operator**

**5.1**

The machine must be used by qualified personnel only.

### **Place of work**

**5.1.1**

Position of the operator: during the start up and cutting operations in front of the machine with control panel in the center. During maintenance operations the position depends on the specific operation that needs to be carried out.

## Feeding the media to cut

## 5.2

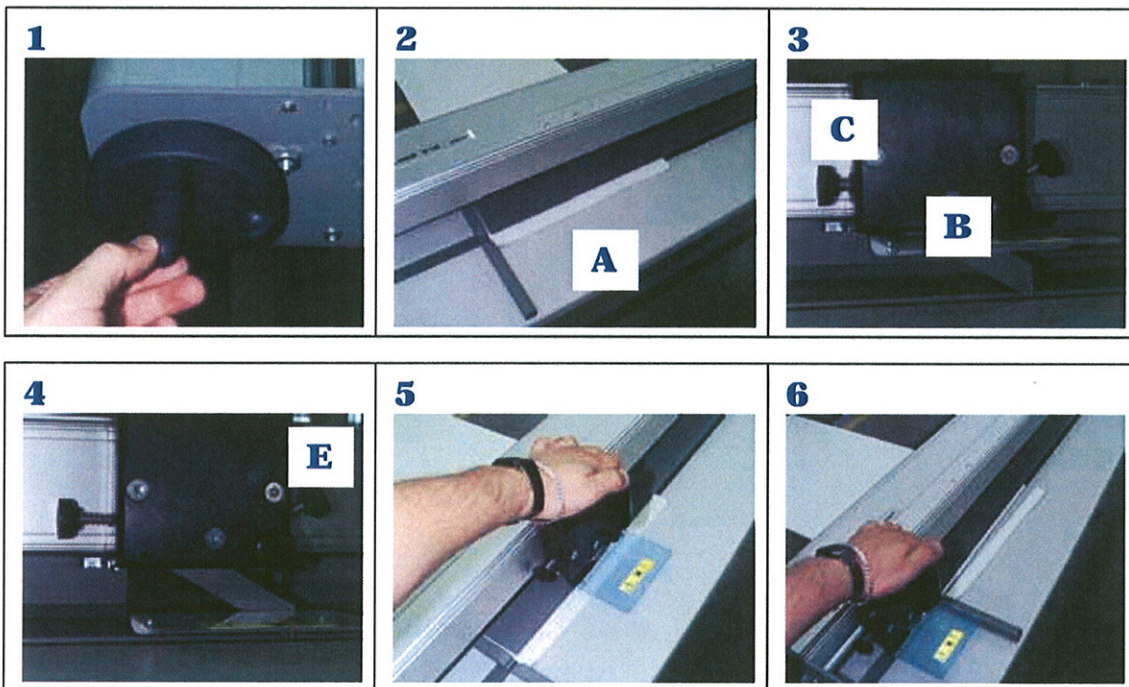
Follow the steps below to begin the process:



Before starting any cutting operations we suggest checking the height of the blade guide. It must be right for the thickness of the media to cut. This will prevent low or high cuts and will prevent the carriage from blocking itself against the panel to trim.

❖ Cut soft media ( ex. FOAM ) in the following way:

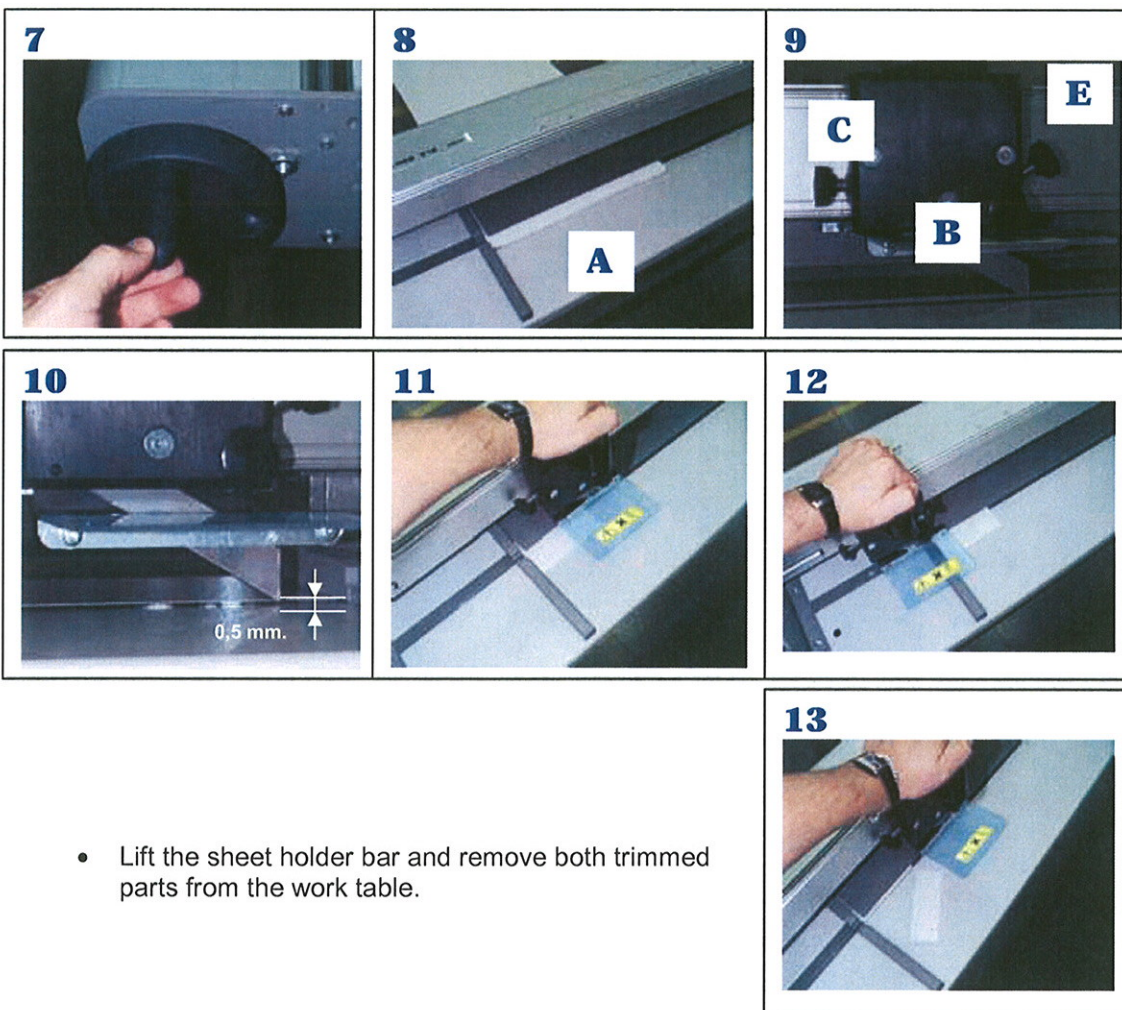
- Bring the carriage against the right shoulder of the machine.
- Open the sheet holder by turning the handwheel on the left side of the machine **1**.
- Position the panel on the work table **A**. Close the sheet holder by using the handwheel used to open it **2**.
- Remove the front knob of the carriage **B**, and adjust the height of the blade guide according to the thickness of the material to trim **3**, by using the left knob **C**. After adjusting the height of the blade guide block it by using the front knob **B**.
- Adjust the cutting blade **4**, by using the right knob **E**, so that it slides into the relevant slot on the work table.
- Cut the media by pulling or pushing the carriage from right to left **5-6**.



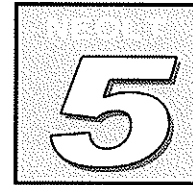
- Lift the sheet holder bar and remove both trimmed parts from the work table.



- ❖ Cut hard medium ( ex. PVC SEMIESPANSO ) in the following way:
  - Bring the carriage against the right shoulder of the machine.
  - Open the sheet holder by turning the handwheel on the left side of the machine **7**.
  - Position the panel on the work table **A**. Close the sheet holder by using the handwheel used to open it **8**.
  - Remove the front knob of the carriage **B**, and adjust the height of the blade guide according to the thickness of the material to trim **9**, by using the left knob **C**. After adjusting the height of the blade guide block it by using the front knob **B**.
  - Adjust the cutting blade by using the right knob **E**, until the blades is in the position indicated in the illustration **10**, at about **0.5 mm** from the feeding table.
  - Start the first cutting phase, by pulling or pushing the carriage from right to left **11-12**. Make the final cut, by pulling or pushing the carriage from left to right **13**.







---

## **Characteristics of the media to cut**

**5.2.1**

This trimmer was designed to cut "FOAM" and SEMI-FOAM PVC (see *table of media paragraph 3.3.1*).



---

We recommend not trying to cut materials different from those which the machine has been designed for. They could seriously damage the machine.

---

## Ordinary maintenance

6.1



Untimely movements during maintenance operations. Be very careful.



Risk of electric shocks and untimely movements during maintenance. Isolate the machine from power supply sources by unplugging the power cable of the LASER tracer (optional).

Ordinary maintenance includes all those periodical and preventive operations that allow the machine to be used safely.

### Qualifications of the operator

6.1.1

Ordinary maintenance of the machine must be carried out by qualified personnel only.

### Procedures

6.1.2

Please carry out the periodic operations listed in the table below.

<b>Operation to be carried out</b>	<b>Frequency of execution</b>	<b>Procedure</b>	<b>Precautions</b>
General dusting..	At user's discretion.	<ul style="list-style-type: none"><li>• Clean the entire machine with a damp cloth.</li></ul>	Do not use aggressive products.
Cleaning the scrap material.	If there is a lot of scrap material.	<ul style="list-style-type: none"><li>• Eliminate the scrap material with an aspirator and/or compressed air.</li></ul>	Wear a pair of protection gloves.
Blade replacement.	If the cut is not regular.	<ul style="list-style-type: none"><li>• See procedure <i>Assembly blade-holder 4.3</i></li></ul>	Wear a pair of protection gloves.



### **Extraordinary maintenance**

### **6.2**

Directly contact **NEOLT S.p.A** for any extraordinary maintenance operation non contained in this manual.





### Qualifications of the operator

7.1

The machine can be demolished by qualified personnel only.

### Deactivation of the machine

7.2

Once the machine has reached the end of its technical and operating life, it must be deactivated. The machine must be deactivated and put in the condition of not being used for the purposes which it had originally been designed for. However, it must allow the reuse of the raw materials which it was built with.

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✓ NEOLT S.p.A. cannot be held responsible for damages to people or pets due to the reutilization of single parts of the machine for purposes or in situations different from those which it has been designed f.

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#### Procedures

7.2.1

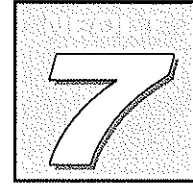
- Disconnect the power cable of the optional LASER tracer if installed.
- In case the machine has to be moved, refer to *4.2 Transportation*.



The machine is made of non biodegradable materials. It must therefore be brought to an authorized center for its disposal.

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## DEMOLITION



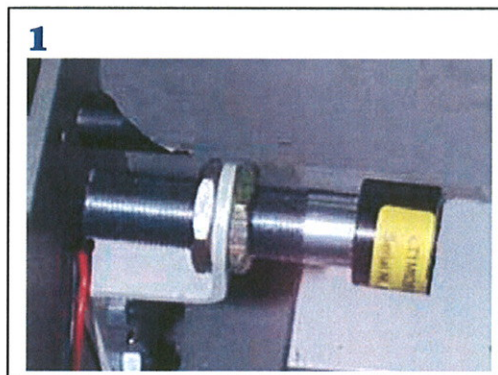
## ASSEMBLY AND ADJUSTMENT OF LASER TRACER *optional*



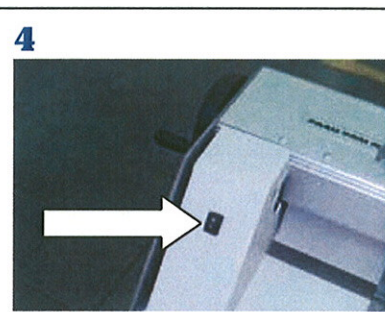
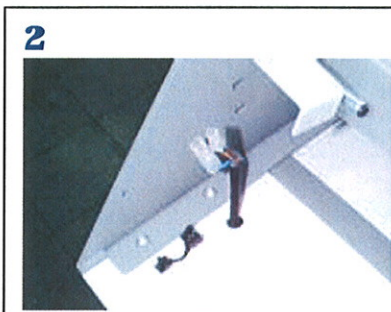
### Procedure

A.1

- Open the box containing the assembly kit of the optional LASER tracer
  - Make sure nothing is missing from the box.
1. Screw the laser emitter holder bracket **1** on the same shoulder.
  2. Screw the laser emitter to the previous bracket.



3. Slide the power cable **2** in the hole on the work table from the bottom upwards. Lock the cable with the relevant cable clamp. **3**.
4. Position the ON/OFF LASER switch **4** in the slot on the closure sheet.

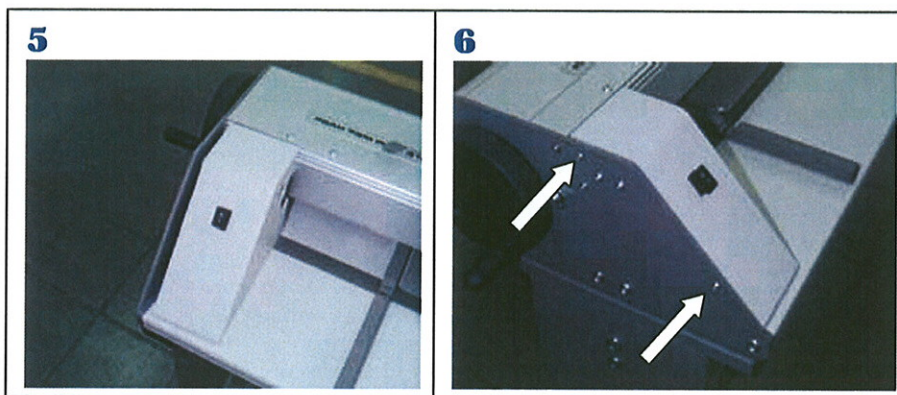




## **ASSEMBLY AND ADJUSTMENT OF LASER TRACER *optional***



5. Connect the small faston of the power cable and the small faston of the laser emitter to the switch
6. Connect the remaining connectors.
7. Connect the feeder to a power outlet.
8. Make sure the light of the laser beam is directed along the cutting line on the work table. If necessary adjust the bracket until it is lined up correctly with the cutting line.
9. Then fasten the cover to the shoulder **5-6**.



### **Electric wiring of optional LASER tracer**

**A.1.1**



Make sure the electric line has the appropriate wattage requirements to power the machine.



Electric risks. Make all ground connections before any other connections to the mains.

- Section the electric line that powers the machine.
- If the sectioning device is the mains plug, the power outlet must be easily accessible and near the machine.
- Switch on the electric line that powers the machine.

## **ASSEMBLY AND ADJUSTMENT** ***OF LASER TRACER optional***



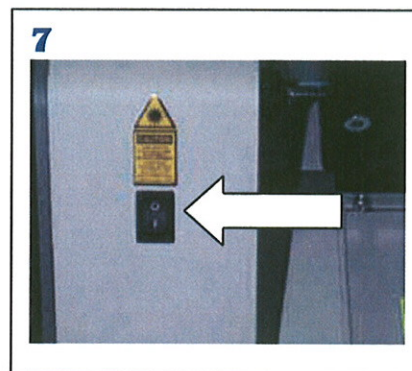
### **Use of LASER tracer for the cut**

**A.1.2**

The laser tracer is mainly used when you need to precisely trim panels which already have squaring marks on them.

Follow this procedure to use the tracer:

- Switch on the laser tracer **7**
- Start cutting procedure, by following the procedure FEEDING THE MEDIA TO CUT, lining up the profile to cut with the LASER beam.



NEOLT S.p.A

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