



Industrio™ Router Table



Mod.:

User and Maintenance manual

Translation of the original Instructions - Vers. 1.01

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<u>THE COMPLETE USER AND MAINTENANCE MANUAL FOR THE MACHINE COMPRISING THE INDUSTRIO™ ROUTER TABLE WHEN ASSEMBLED WITH A ROUTER MANUFACTURED BY CMT SPA OF TYPE CMT7E IS AVAILABLE ON THE CMT SPA WEBSITE AT THE ADDRESS WWW.CMTUTENSILI.COM.</u>.....	48
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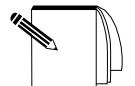
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General information

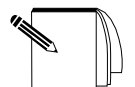
Manufacturer:	C.M.T. UTENSILI S.p.A.
Address	Via della Meccanica 61122 Chiusa di Ginestreto PESARO (PU) ITALY
Telephone	Tel. +39 0721. 48571 Fax +39 0721. 481021
e-mail	info@cmtutensili.com
Internet	www.cmtutensili.com



Name	INDUSTRIO™ ROUTER TABLE
Model	
Serial Number	
Year of manufacture	
Customer	



Maintenance technician	



Documentation prepared by the Industrial Technician
CIAVAGLIA Sergio
Global Service Italia Srl - 63029 Servigliano (FM) ITALY

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www.globalserviceitalia.it <mailto:globalserviceitalia@tin.it>
sergio@globalserviceitalia.191.it

Requirements for the Employer

In Italy the employer is required to implement everything foreseen by the Consolidation Act on Safety at Work, Legislative Decree 81/2008.

In other European countries the employer must comply with the laws in force in the country in which the company operates.

Version of the manual

This version is Vers. 1.01 of January 2010 (Original Instructions), drawn up in accordance with UNI 10893 Product Technical Documentation - Instructions for use.

Directives Applied

The product referred to in this user and maintenance manual has been designed, built and tested in accordance with the provisions of Directive 2006/42/EC.

It falls within the field of application of said directive in that it is "interchangeable equipment":

...

Article 2

Definitions

For the purposes of this Directive, «machinery» designates the products listed in article 1, paragraph 1, letters a) to f). (...interchangeable equipment, ...)

The following definitions shall apply:

...

b) «interchangeable equipment»: a device which, after the putting into service of machinery or of a tractor, is assembled with that machinery or tractor by the operator himself in order to change its function or attribute a new function, in so far as this equipment is not a tool.

This type of product, Industrio™ router table, does not fall under those foreseen by Annex IV to Directive 2006/42/EC.

Use

The "INDUSTRIO™ ROUTER TABLE", hereafter referred to as table or machine, is destined to be used for small workbench operations, either at industrial or non professional (hobby/DIY) level. When equipped with the specific accessories, which can be purchased separately, the table can be fitted with a router that allows milling of wooden profiles and the like (WOOD DERIVATIVES, CORIAN, PHENOLIC SHEETS, PLASTIC MATERIALS such as PLEXIGLASS, PVC).

The INDUSTRIO™ ROUTER TABLE is a piece of interchangeable equipment, and has therefore been designed and built in such a way that it can be assembled by the user to house a portable mill.

Assembly of the table with a portable mill creates a machine of the type foreseen in Annex IV to Directive 2006/42/EC.

In this case if the INDUSTRIO™ ROUTER TABLE is assembled with a router manufactured by CMT SpA type CMT7E and assembly, use and maintenance are carried out as foreseen in this manual the resulting machine is to be considered to comply with the requirements of said Directive.

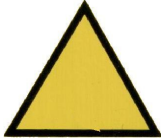
If this is not the case the assembler must carry out the specific certification procedures foreseen by Directive 2006/42/EC.



The table requires the constant presence of an operator to handle the material being machined and to adjust it.



Read the user manual before carrying out any type of operation



Indicates the presence of a danger



Indicates that something is prohibited



Indicates that something is required



Indicates that hands or feet must not be placed in a dangerous area

WARNING
 **THE NOTES IN THIS MANUAL ARE COLOURED ACCORDING TO THE FOLLOWING:**

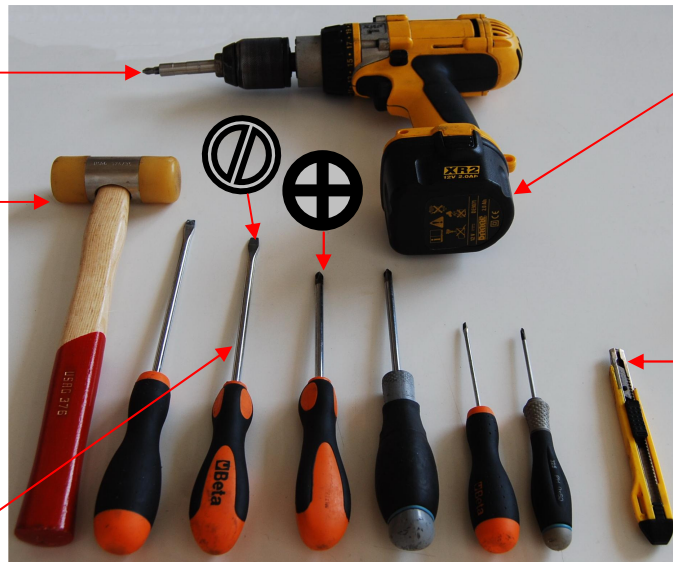
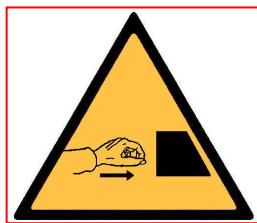
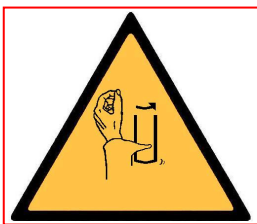
BLUE
RED
ORANGE

REQUIRED APPLICATION
PROHIBITION
DANGER

Notices

The manual is divided into two sections: the first one contains instructions for assembly of the table, the second contains information on how to fit a CMT Spa router on the table and on proper use.

Assembly instructions





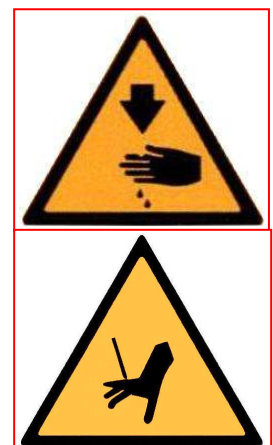
Given the dimensions and weight of the load, it is recommended that it be moved by two people.

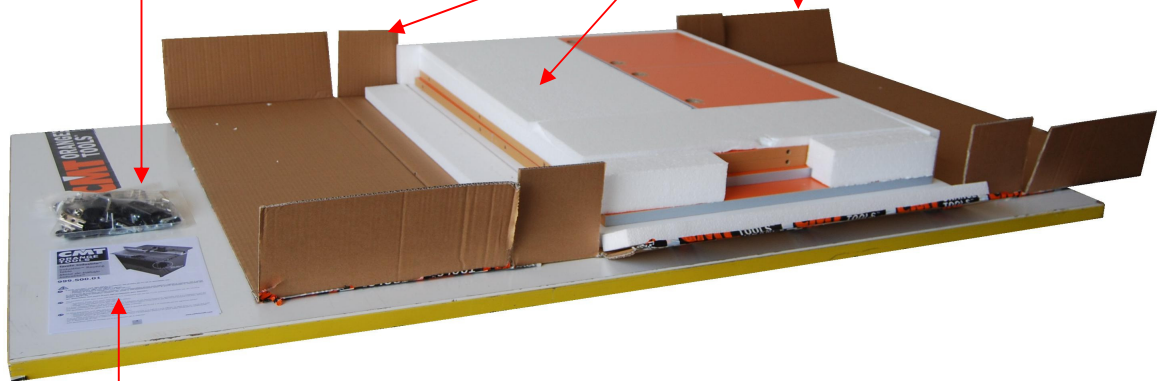
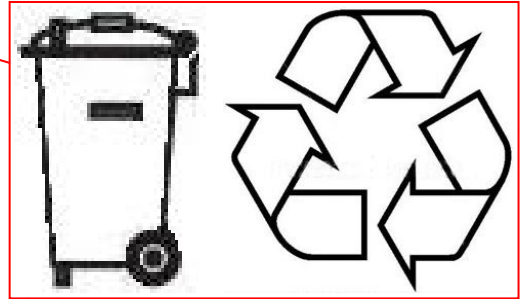


OK



NO





CMT ORANGE TOOLS™

Tavolo Industrio™
Industrio™ Routing Table
Mesa de trabajo Industrio™

999.500.01

IT Il Tavolo Industrio™ (cod. 999.500.01) è conforme alla direttiva 98/37/CE se assemblato con:
- Tavolo Industrio™ (cod. 999.500.01)
- Elettrofresatrice CMT (cod. CMT1E o CMT2E)
- Pulsante di arresto di emergenza (cod. 999.100.11).

Se si prevede ad installare sul Tavolo Industrio™ un'elettrofresatrice diversa dalla CMT1E o CMT2E si rammenta che è vietato mettere in servizio la macchina costituita dal tavolo e dall'elettrofresatrice prima di averne dichiarato la conformità alla direttiva 98/37/CE.

Tale dichiarazione deve essere firmata dall'assemblatore della macchina.

EN The Industrio™ Router Table (code 999.500.01) is in compliance with the 98/37/CE Directive if assembled with the following parts:
- Industrio™ Router Table (code 999.500.01)
- CMT Electric milling machine (code CMT1E or CMT2E)
- Emergency stop button (code 999.100.11).

If a router machine different to the CMT1E or CMT2E is installed on the Tavolo Industrio™, remember that it is prohibited to put the machine, comprised of the table and router machine, into service before conformity to the 98/37/CE Directive has been declared. This declaration must be signed by the machine assembly technician.

ES La Mesa Industrio™ (cod. 999.500.01) es conforme con la directiva 98/37/CE y se instala por las siguientes partes:
- Mesa Industrio™ (cod. 999.500.01)
- Fresadora eléctrica CMT (cod. CMT1E o CMT2E)
- Pulsador de paro de emergencia (cod. 999.100.11).

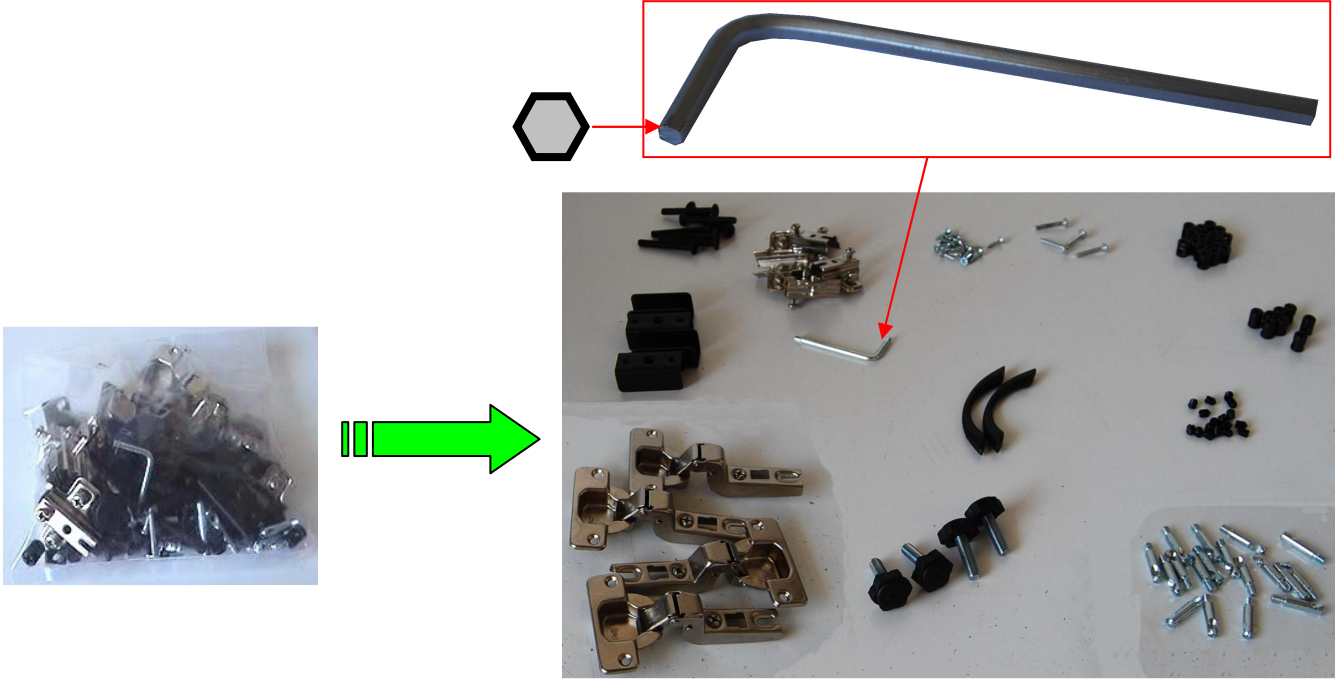
Si en la Mesa Industrio™ se instala una fresadora eléctrica distinta a la CMT1E o a la CMT2E, se debe tener en cuenta que está prohibido poner en servicio la máquina formada por la mesa y la fresadora eléctrica sin antes haber declarado la conformidad con la directiva 98/37/CE.

Esta declaración debe ser firmada por el ensamblador de la máquina.

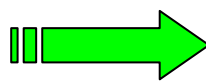
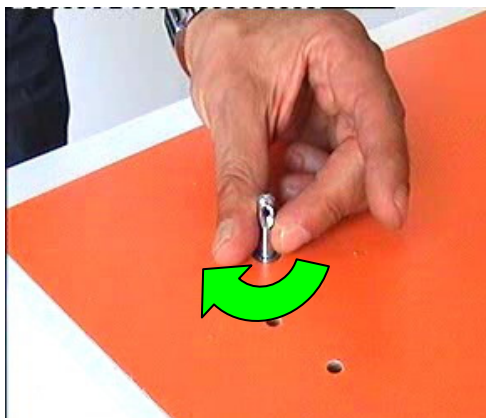
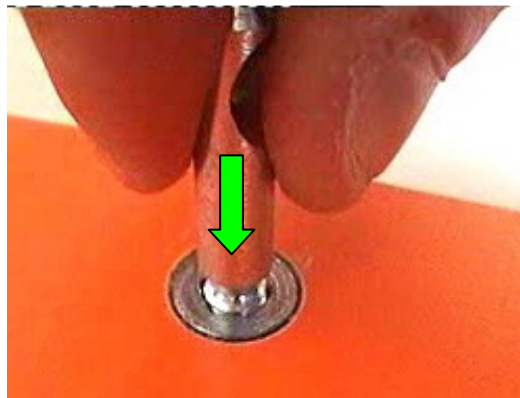
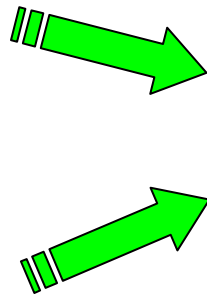
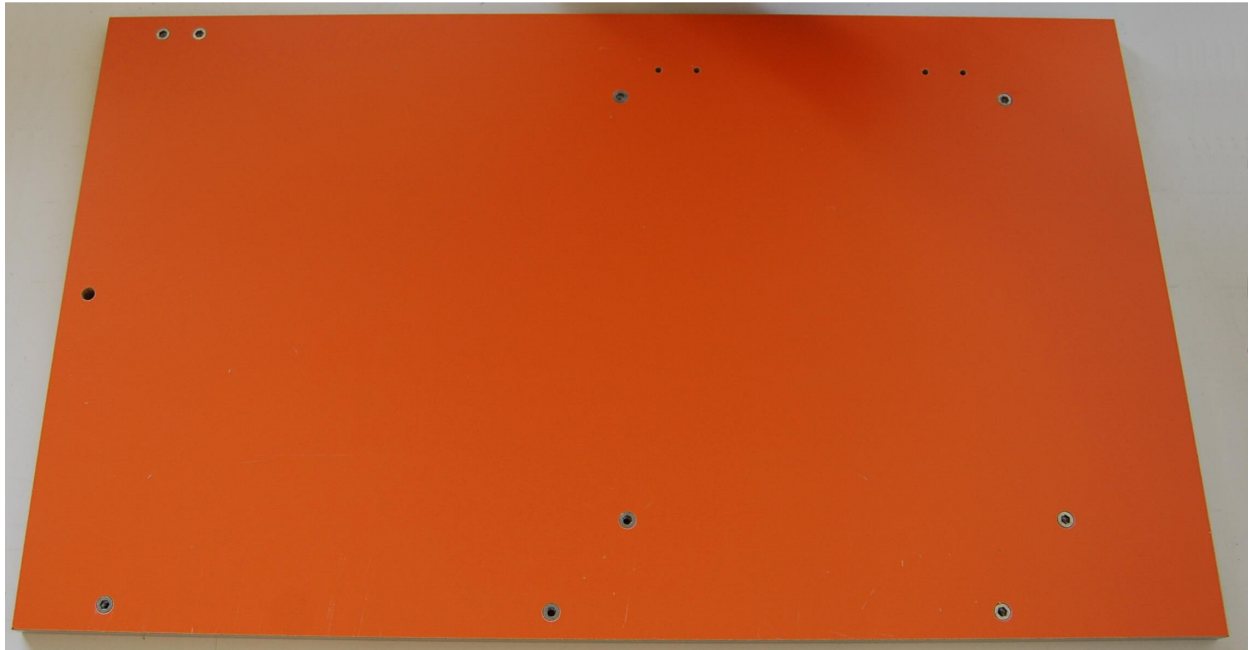
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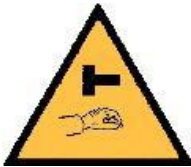
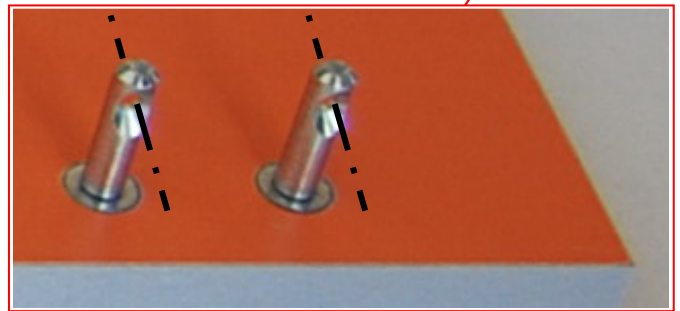
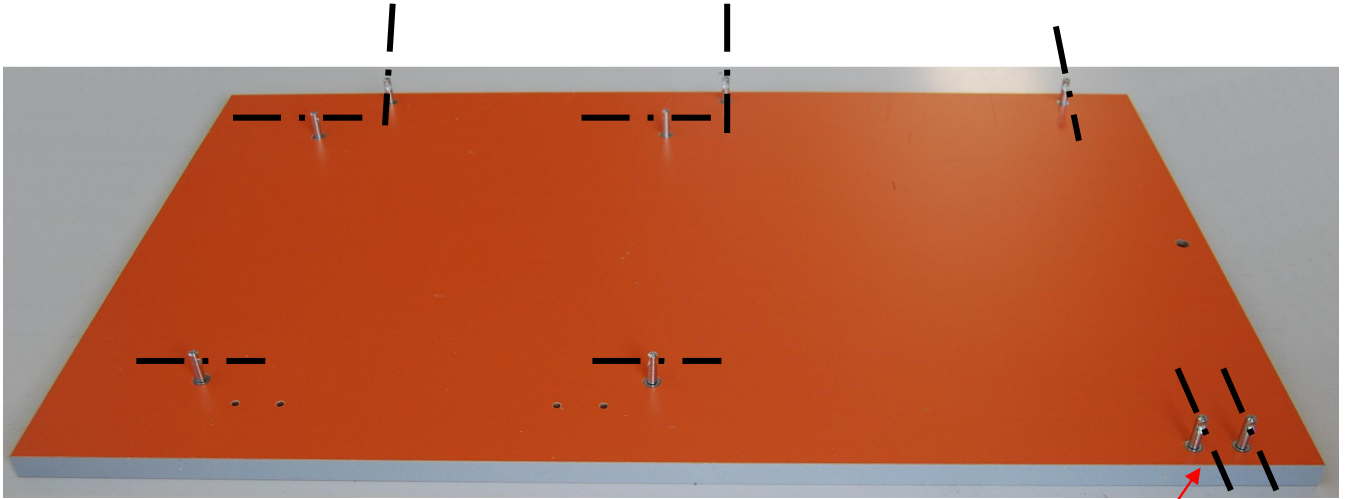
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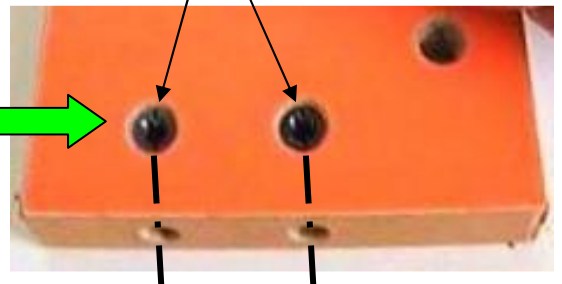
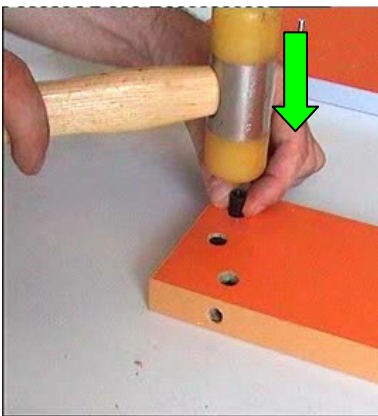


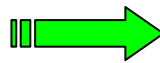
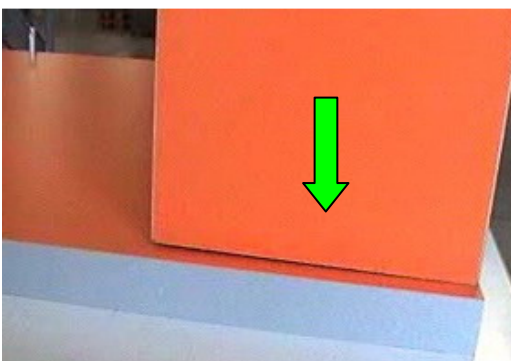
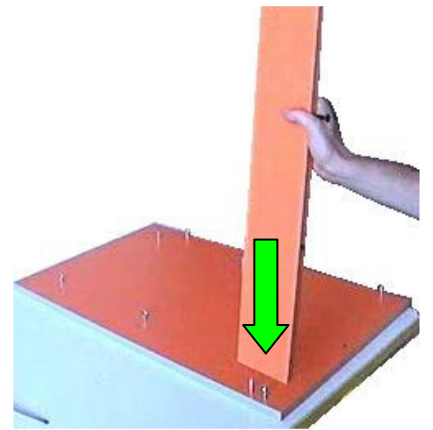
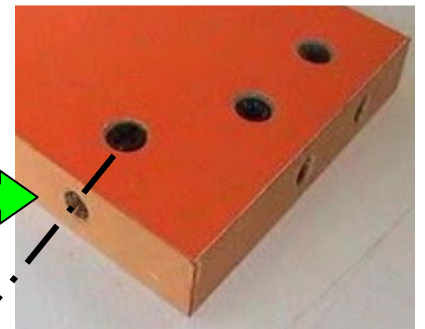
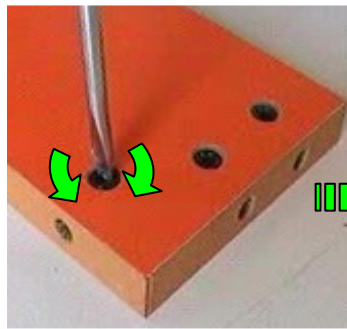
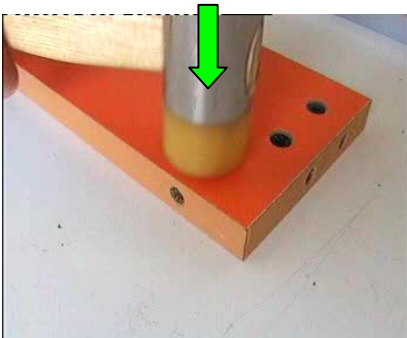
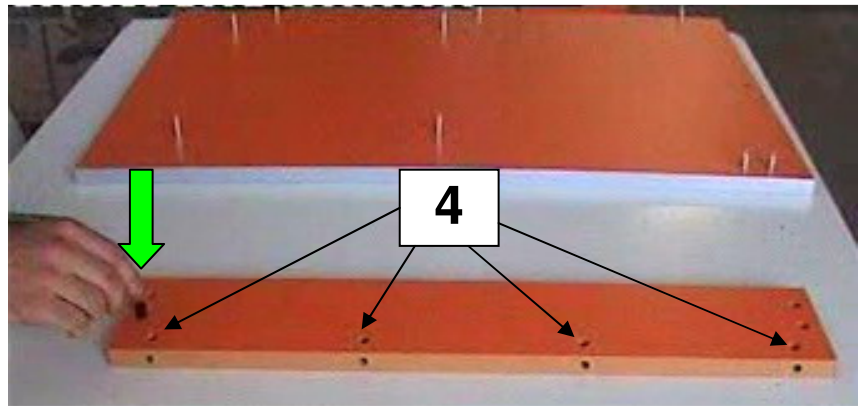
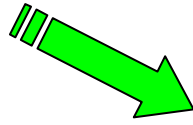
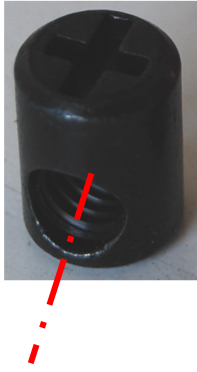
Assembling the table

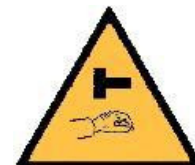
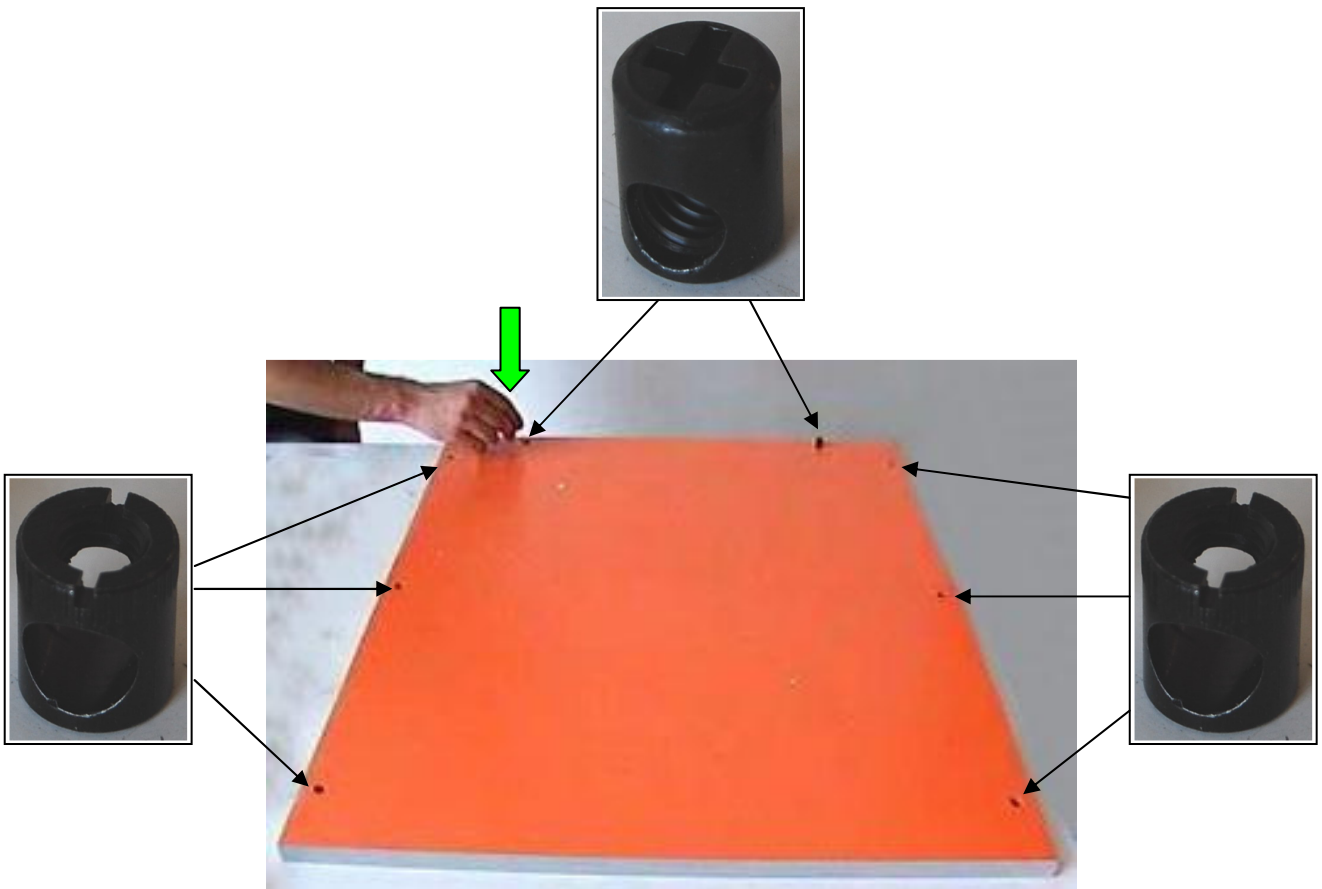
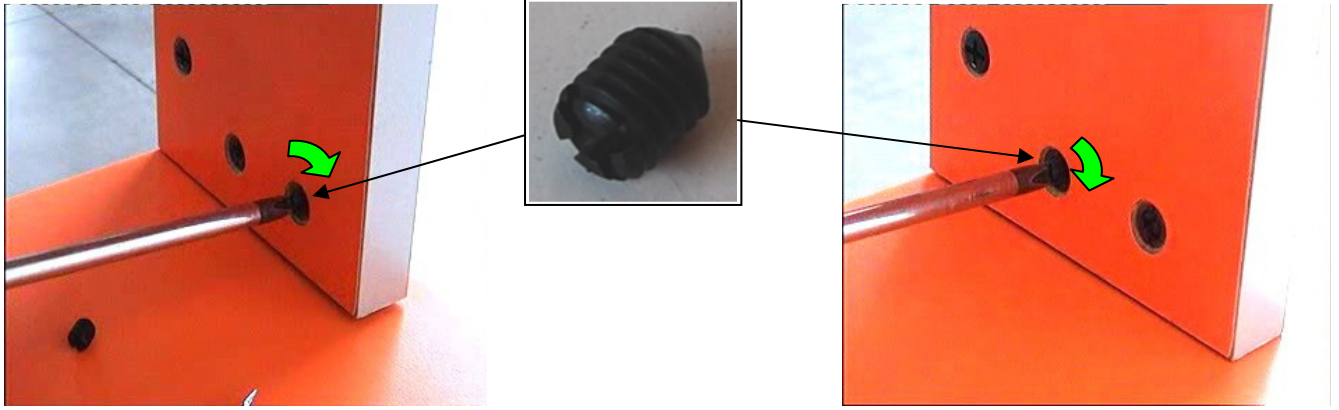


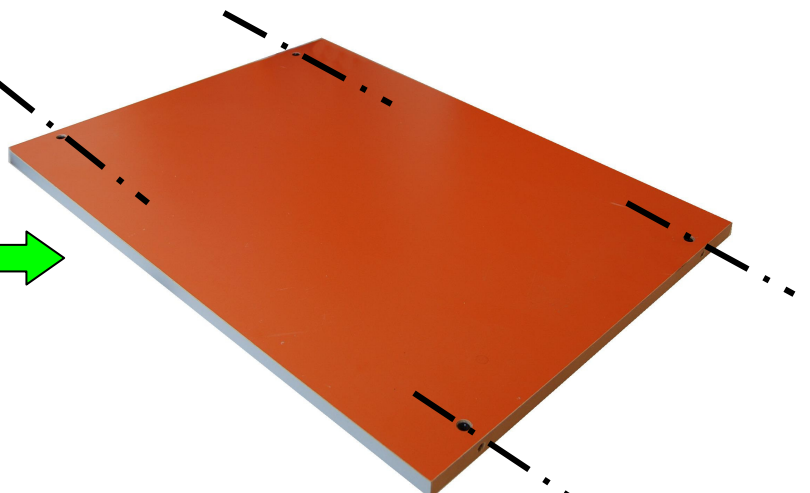
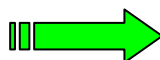
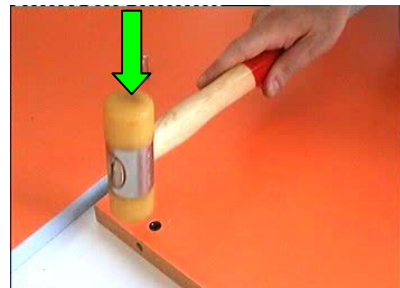
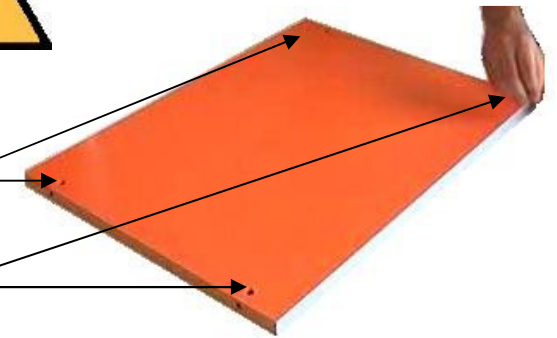
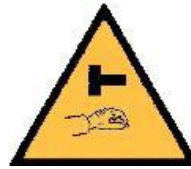
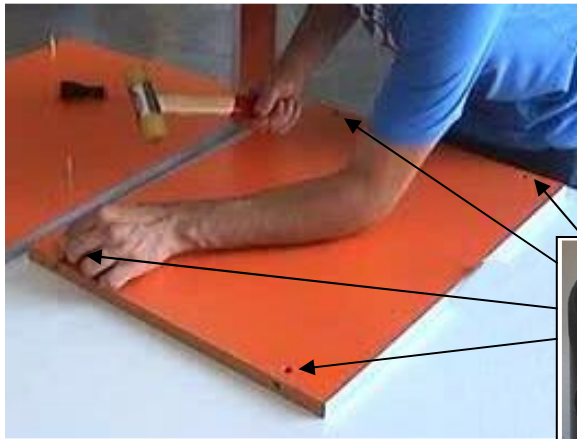
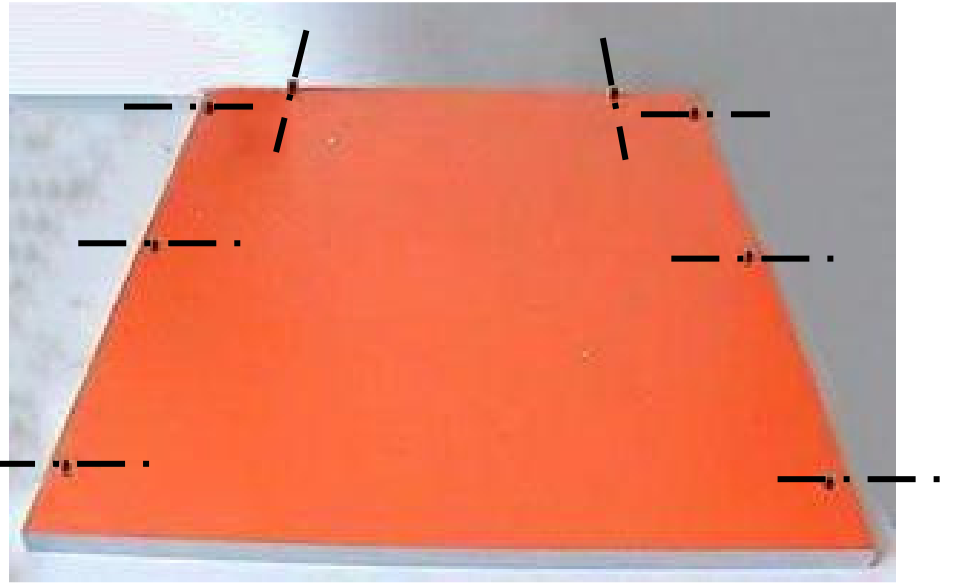
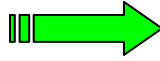


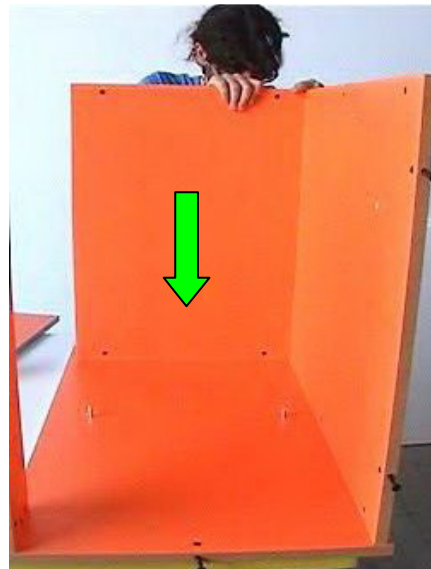
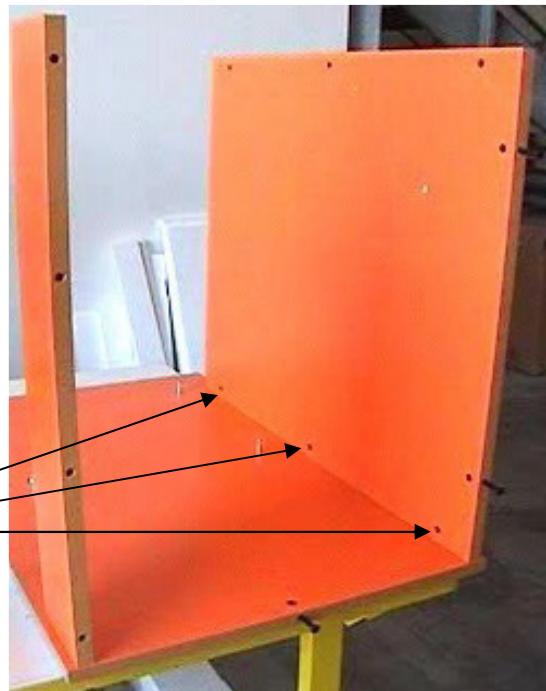
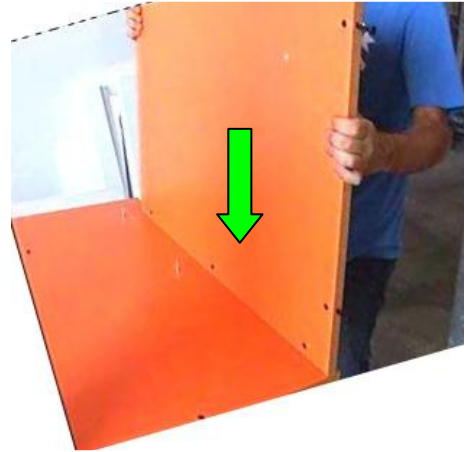
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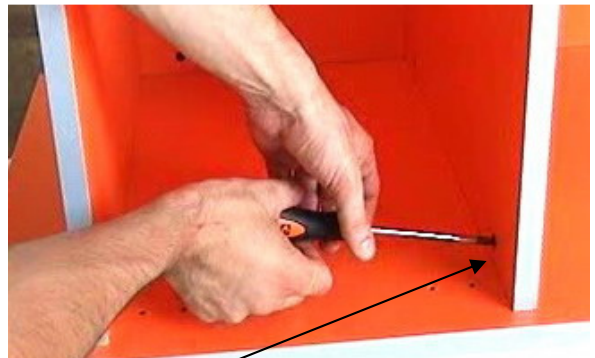
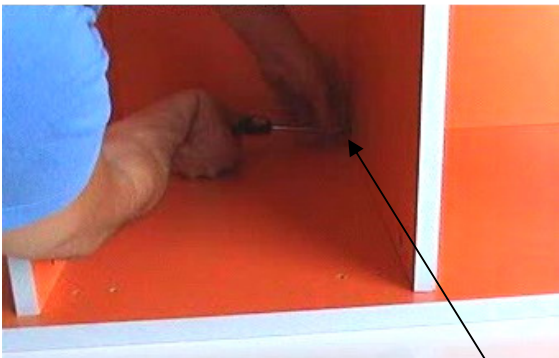
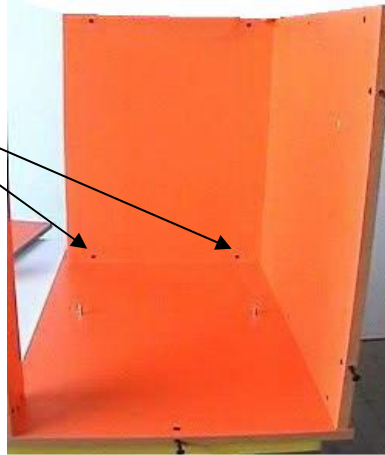


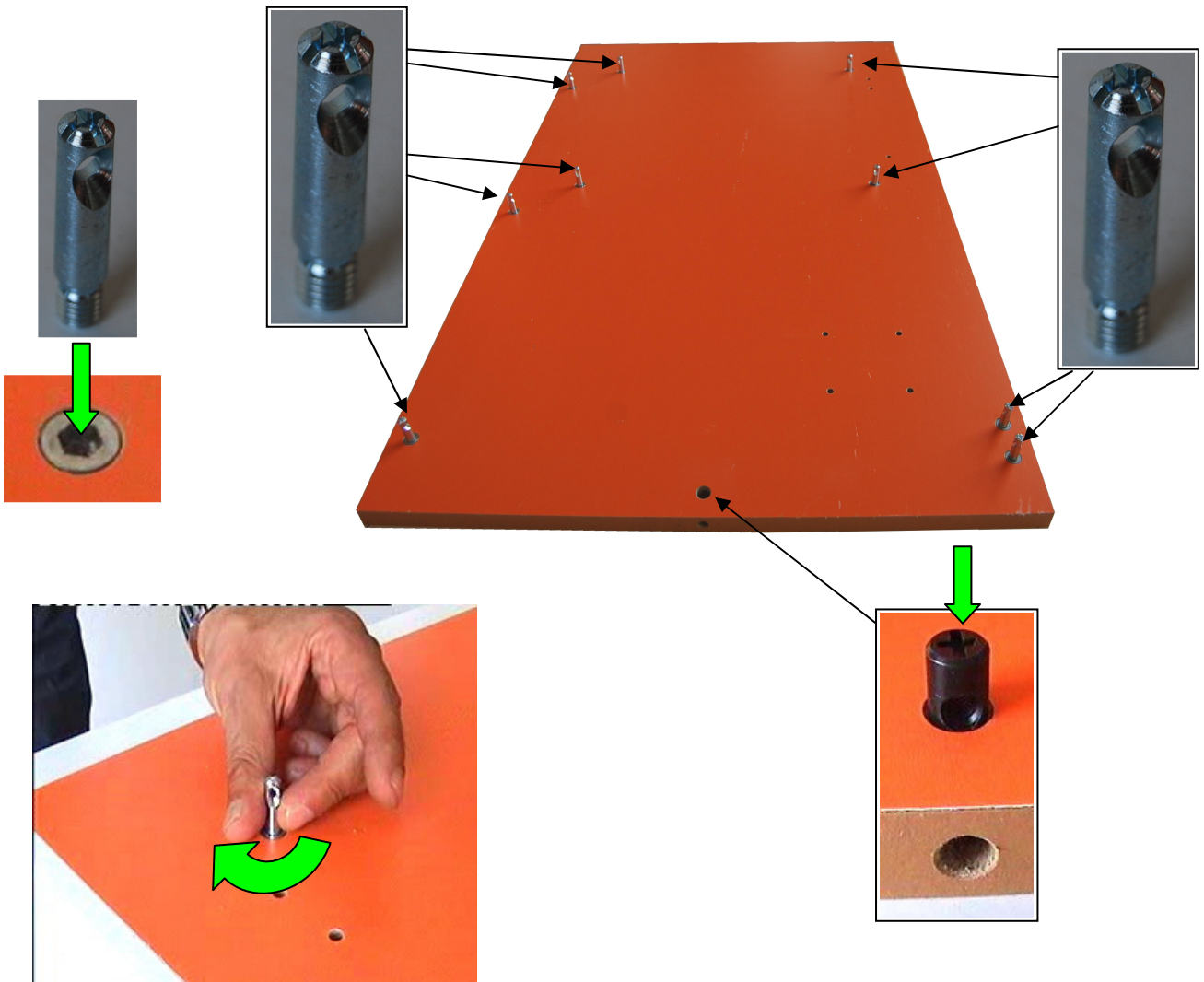
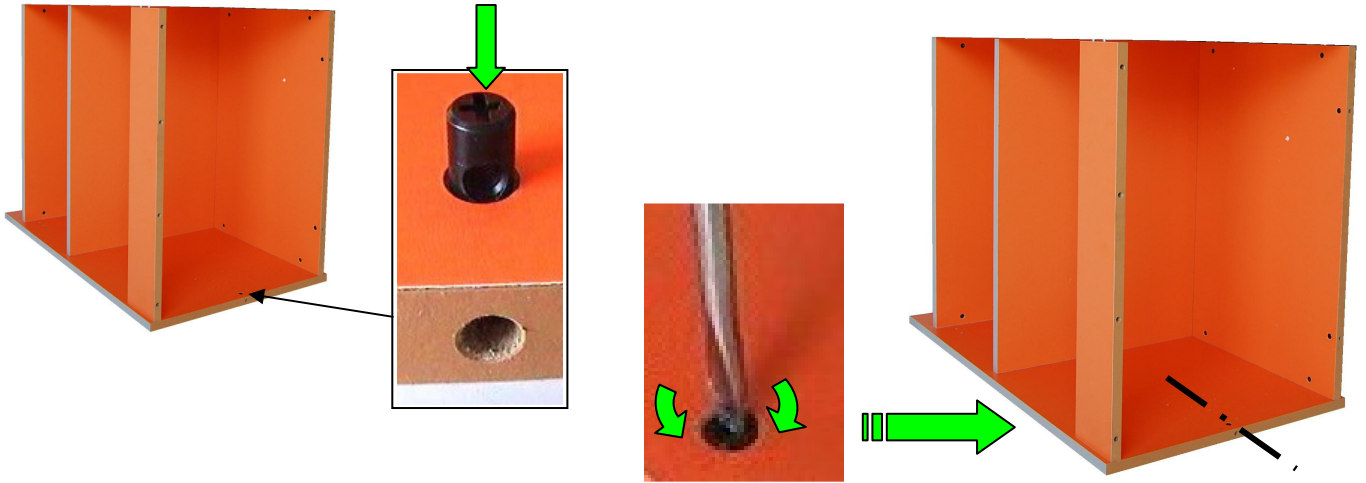


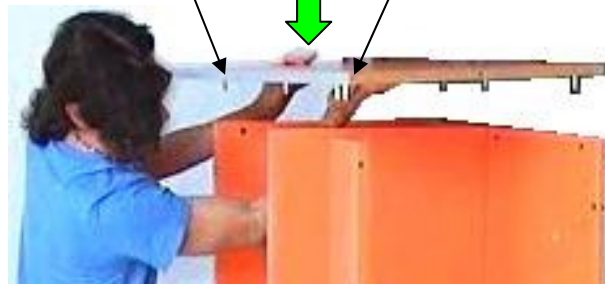
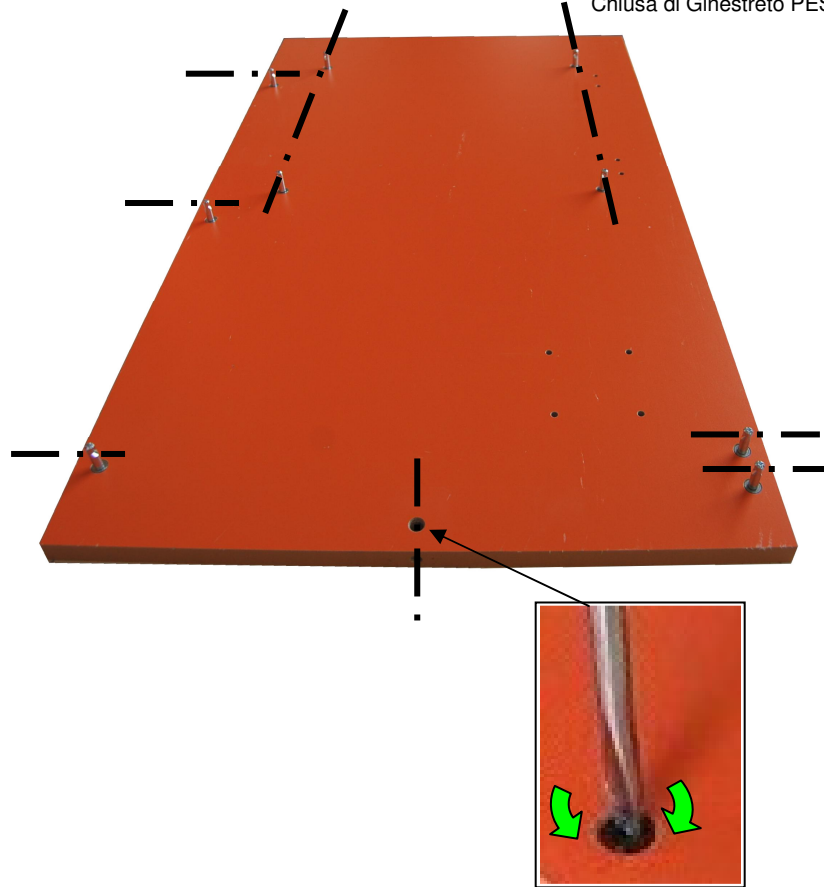


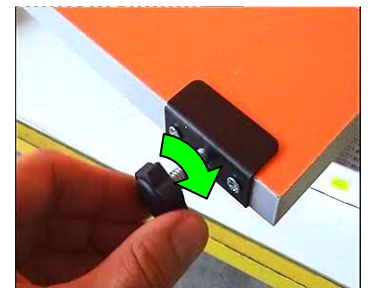
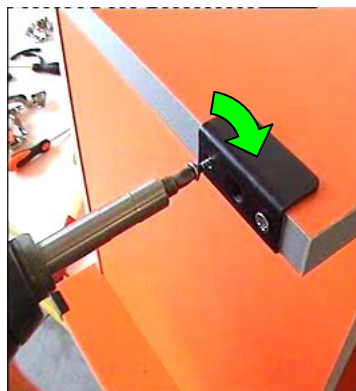
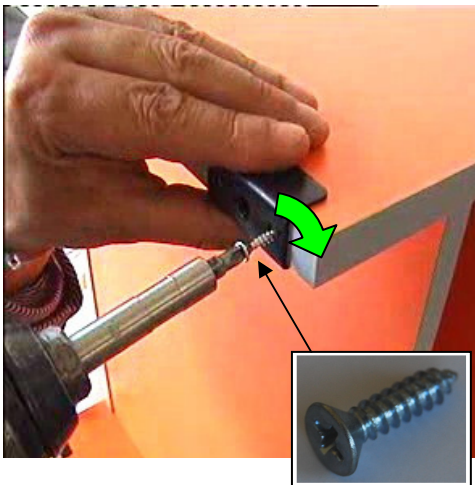
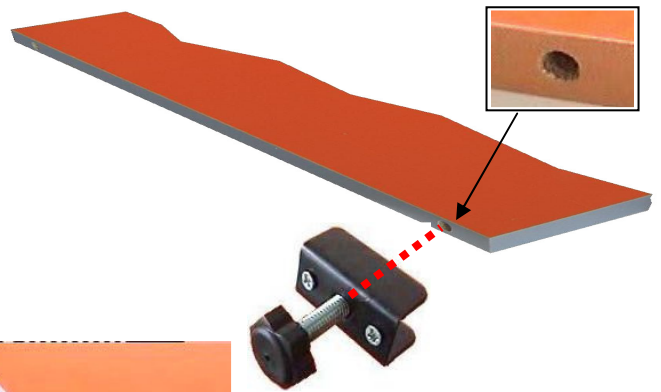
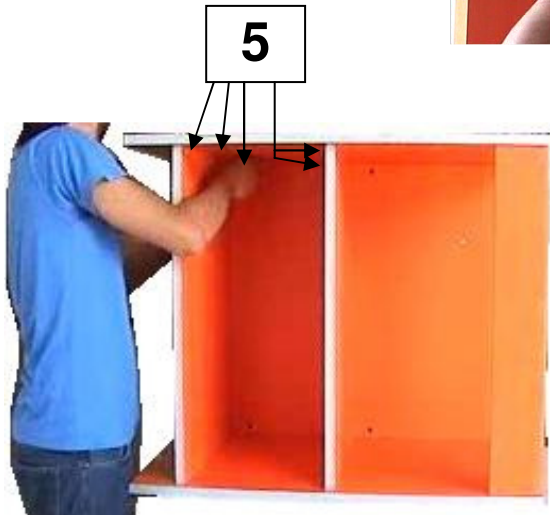
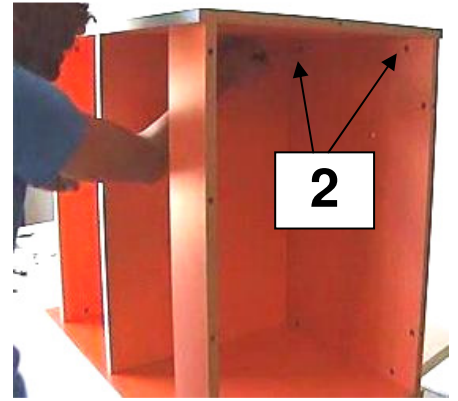
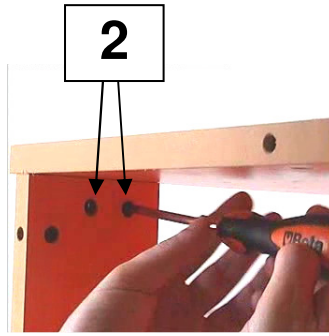




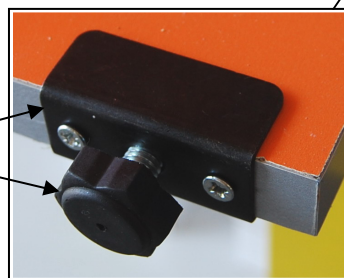




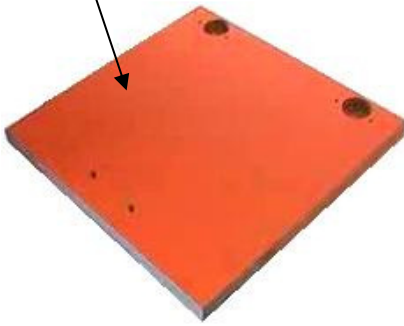




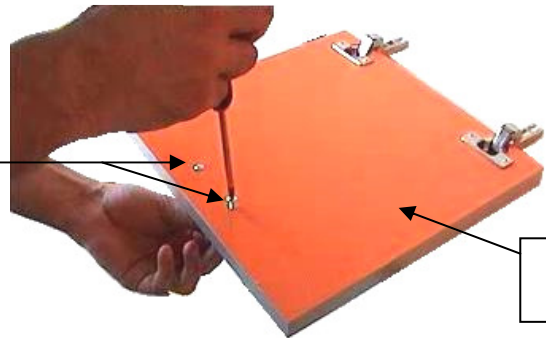
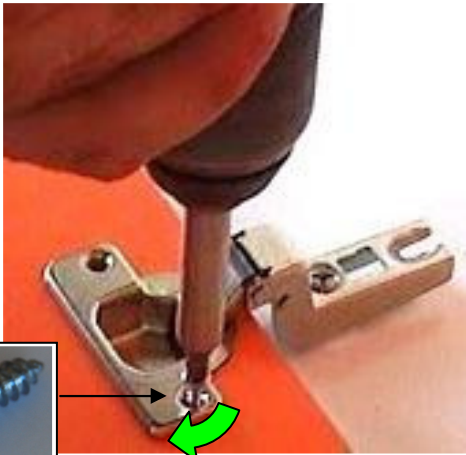
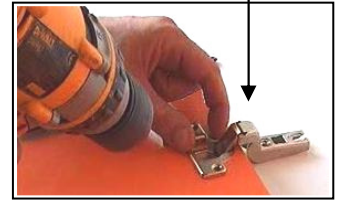
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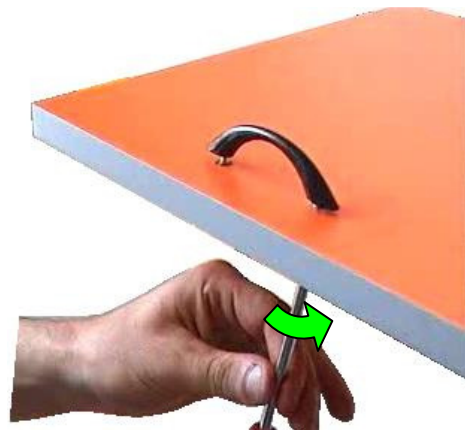
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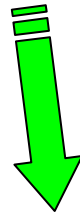


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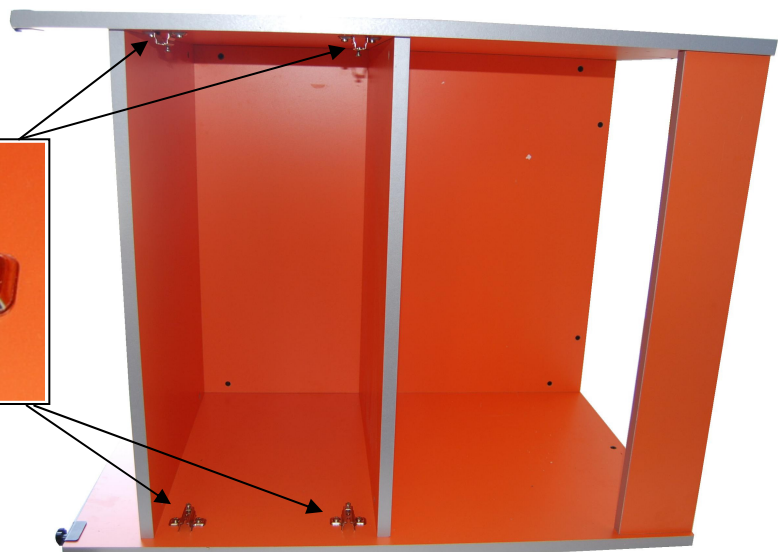
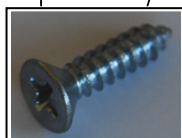
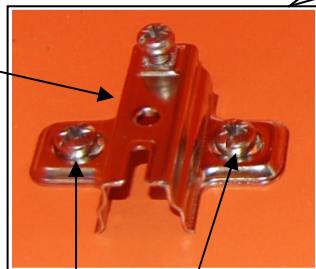


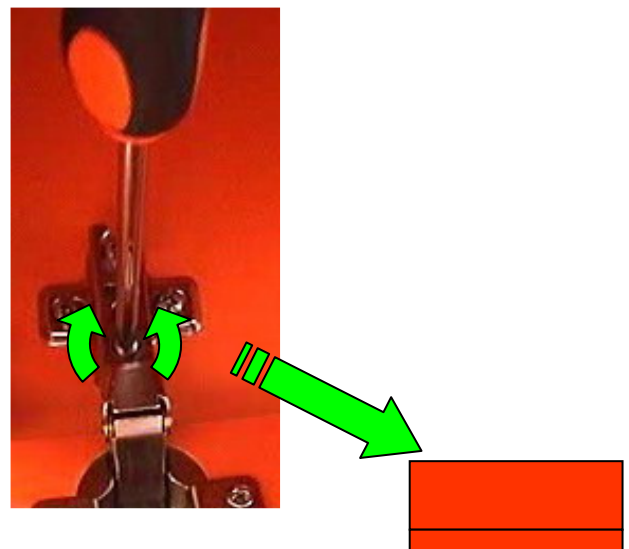
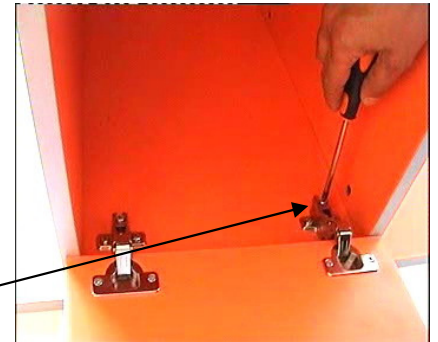
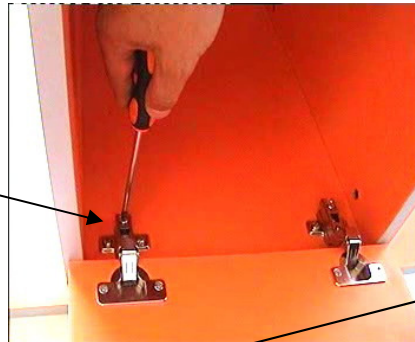
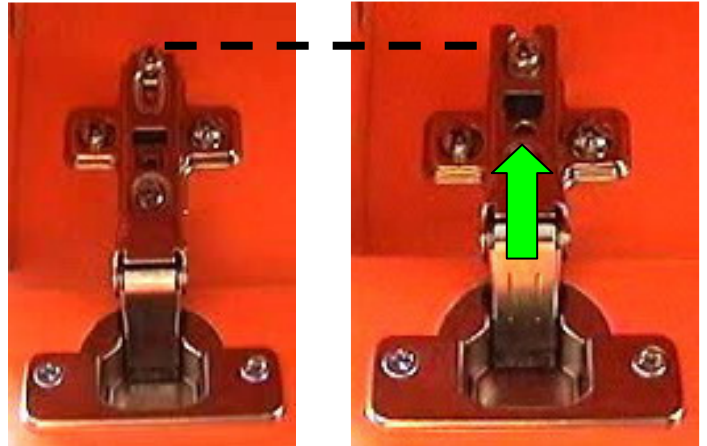
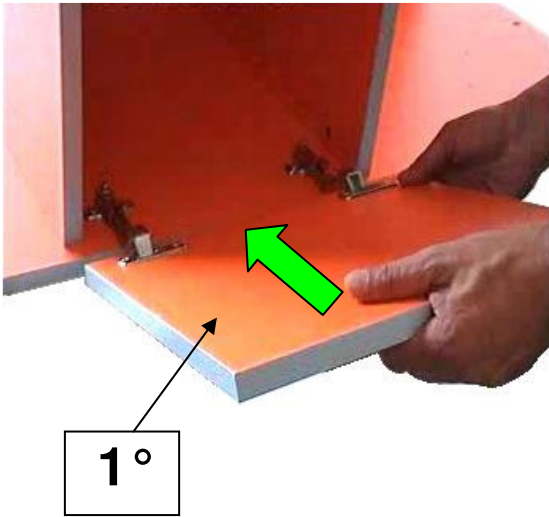
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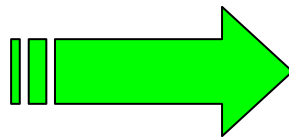




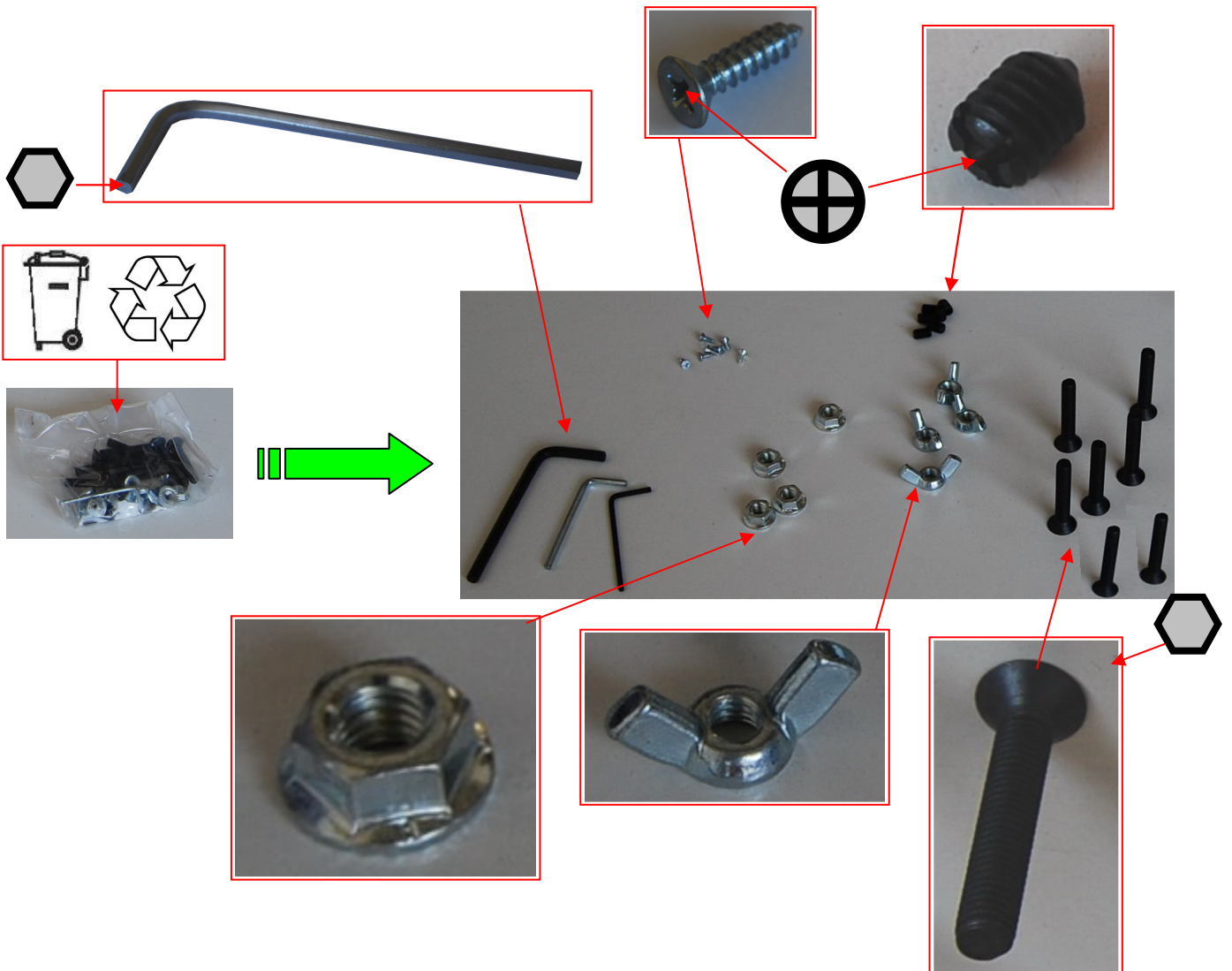
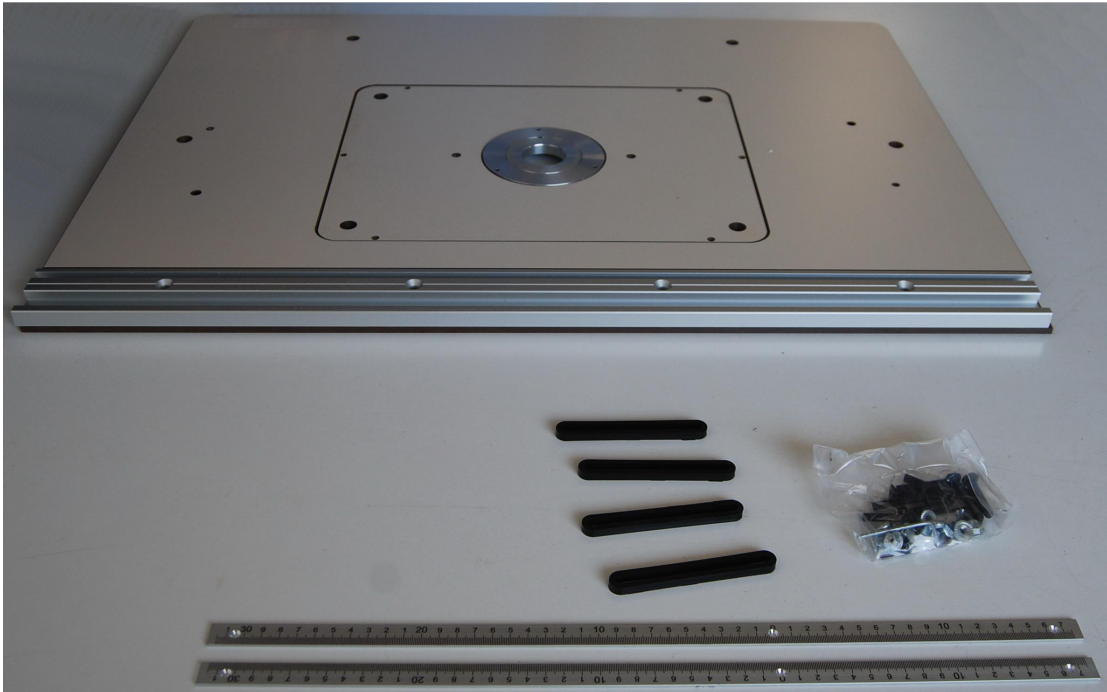
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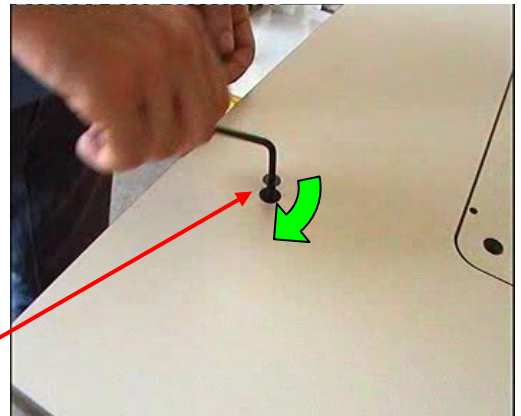
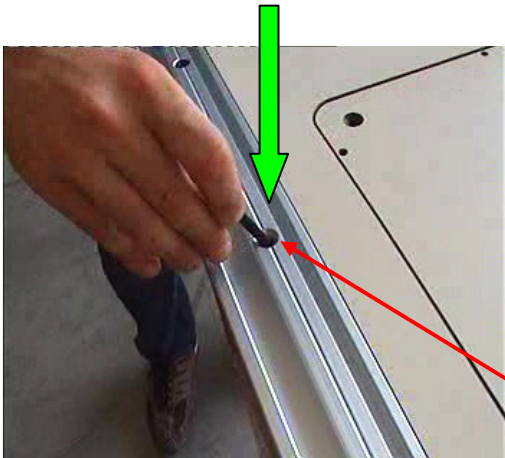


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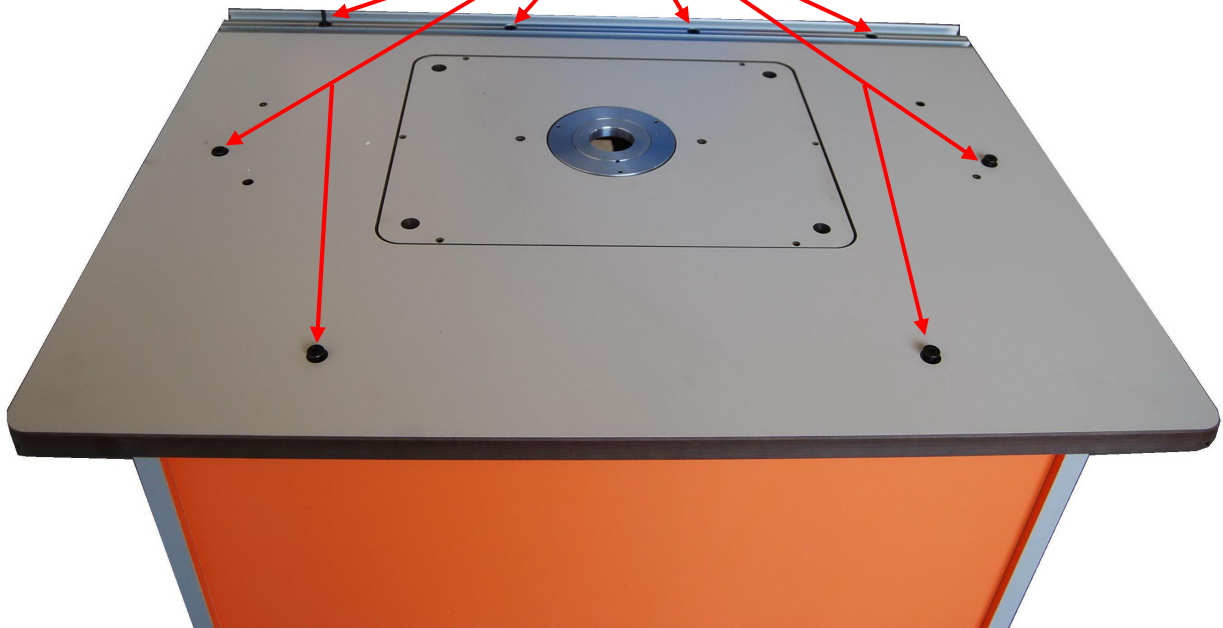


Assembling the work surface



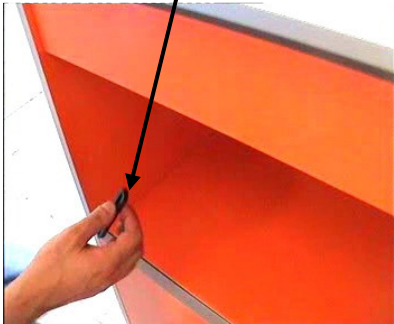
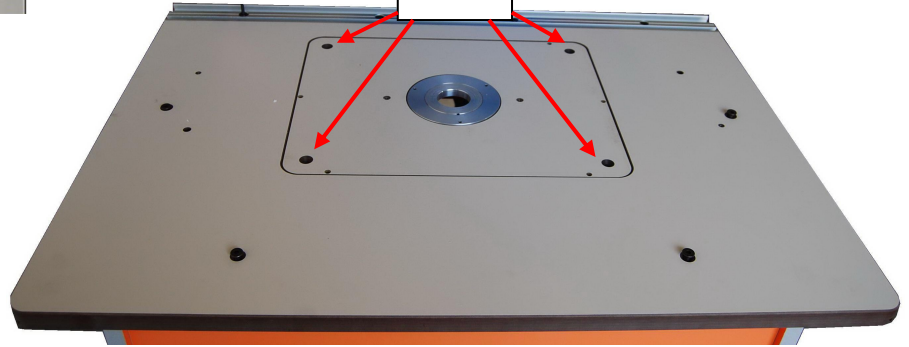


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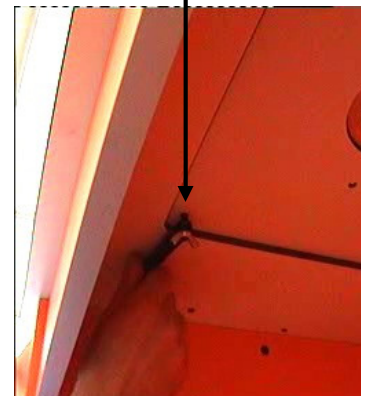


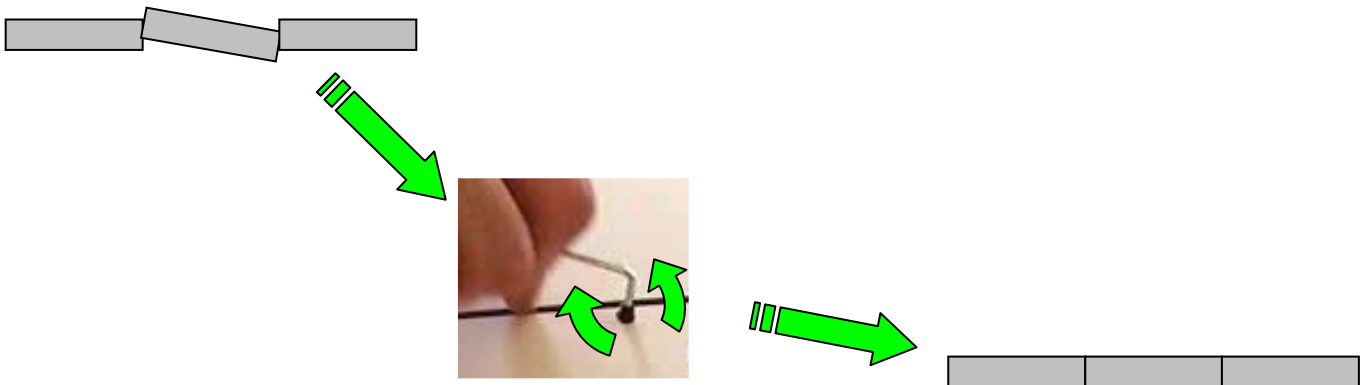
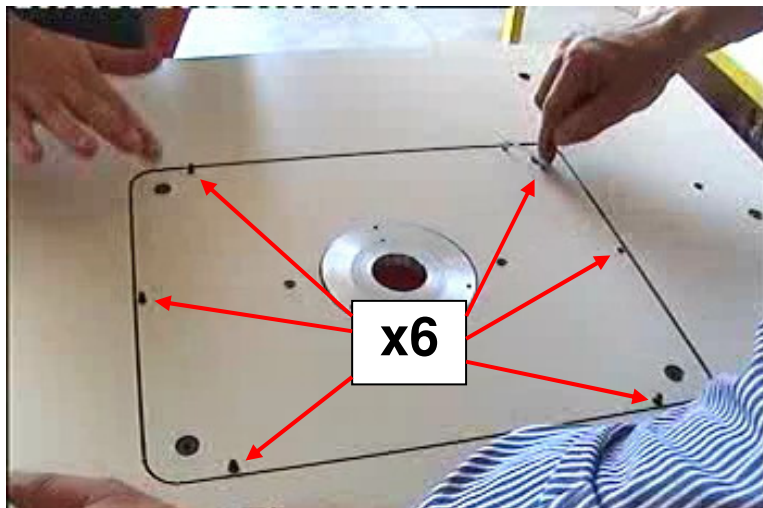
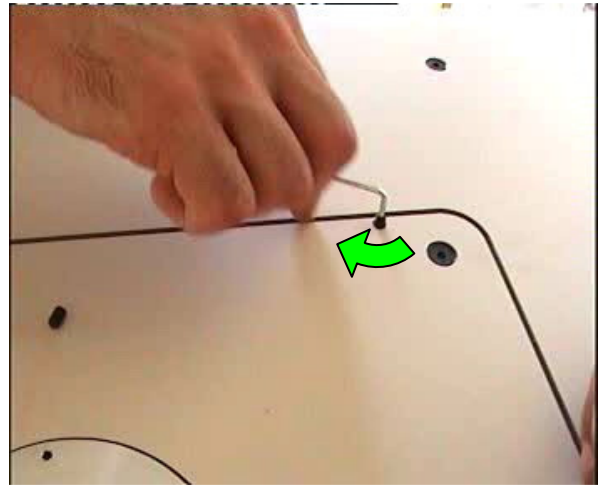
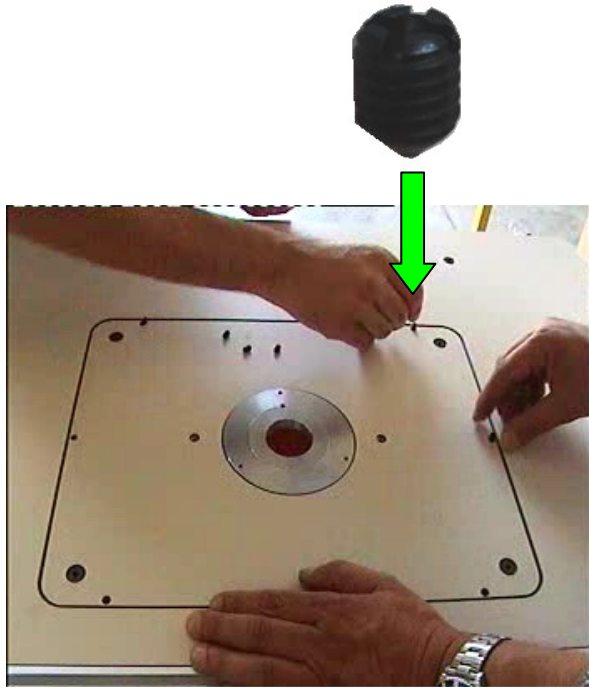


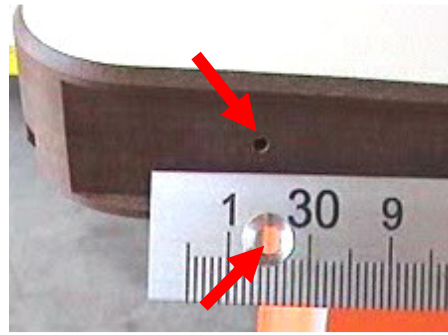
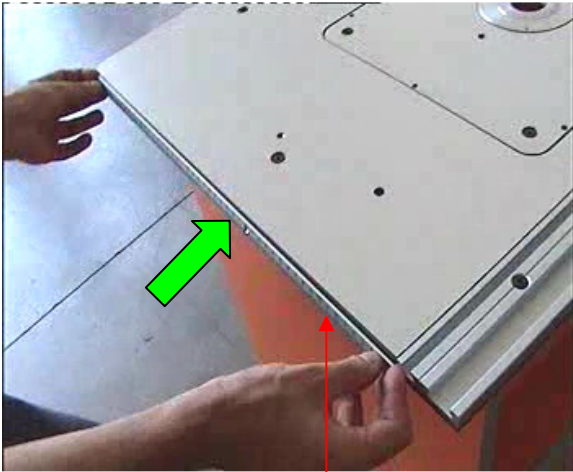
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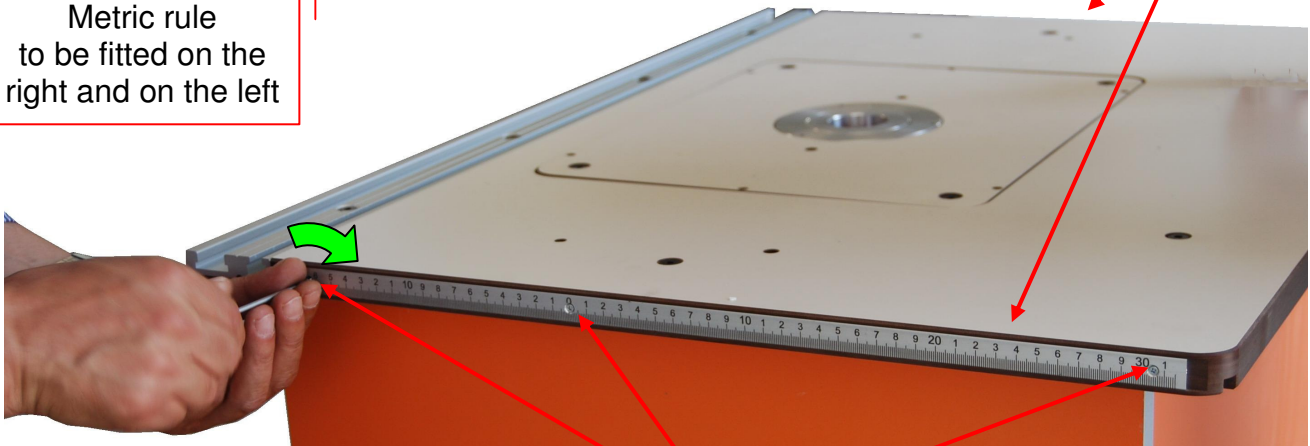






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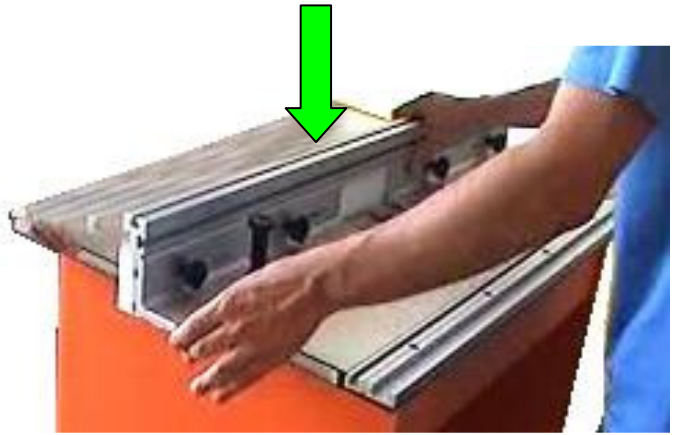
Metric rule
to be fitted on the
right and on the left



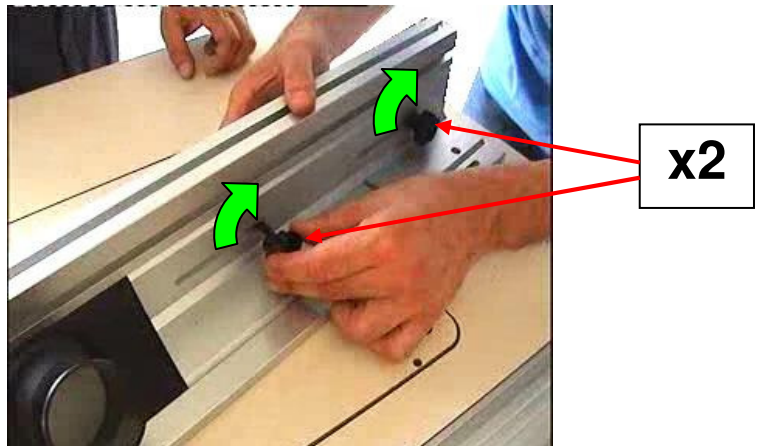
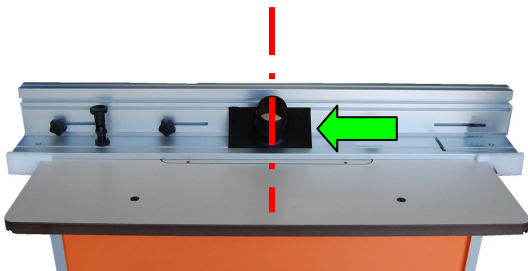
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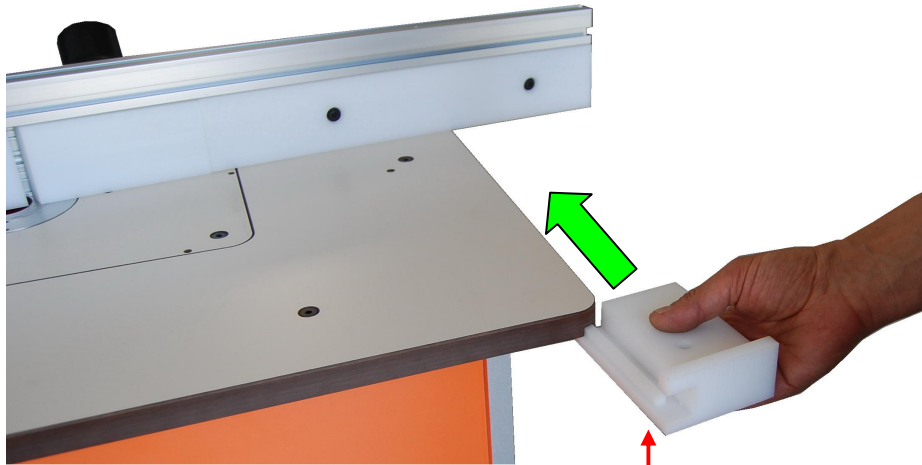
Stop fence



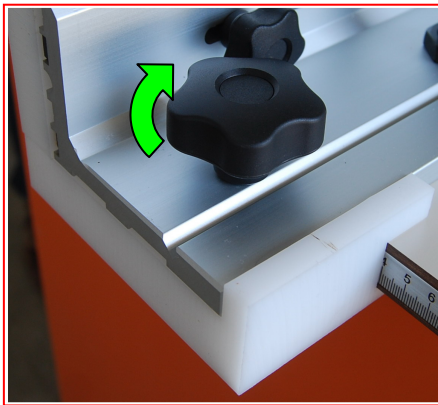
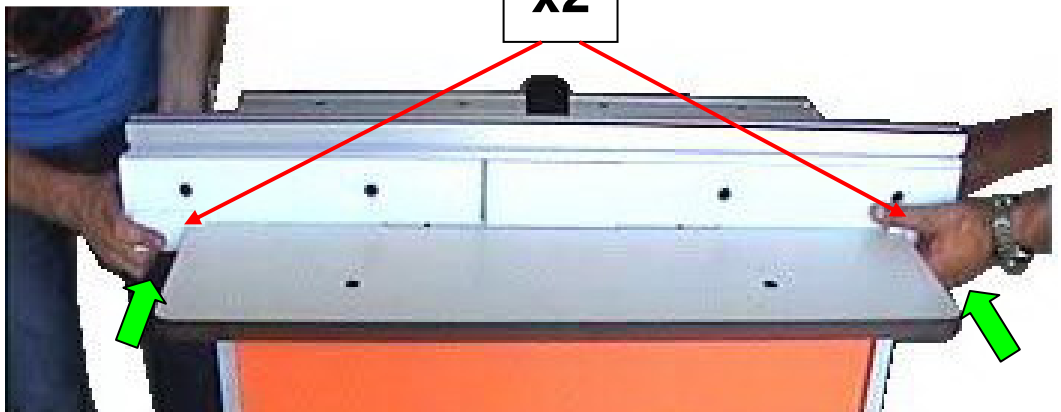


Casing for suction

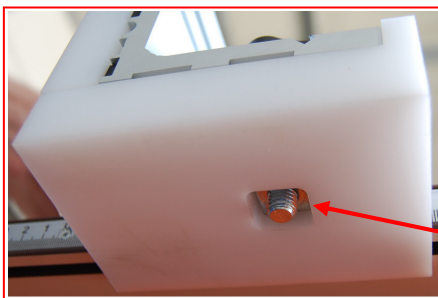
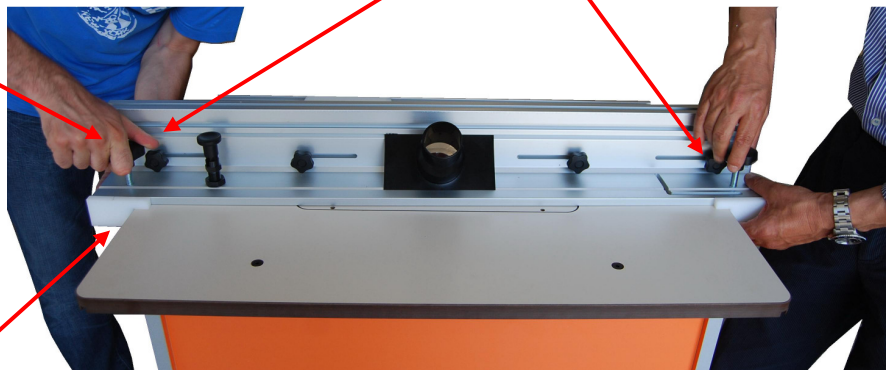


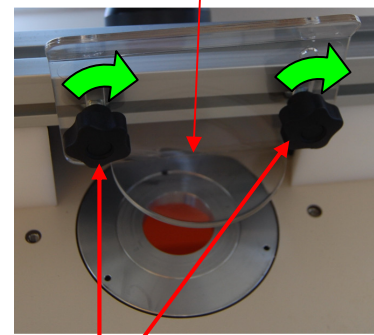
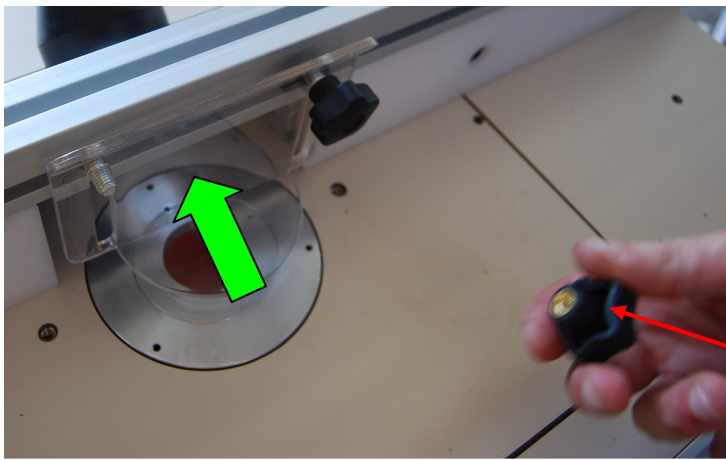
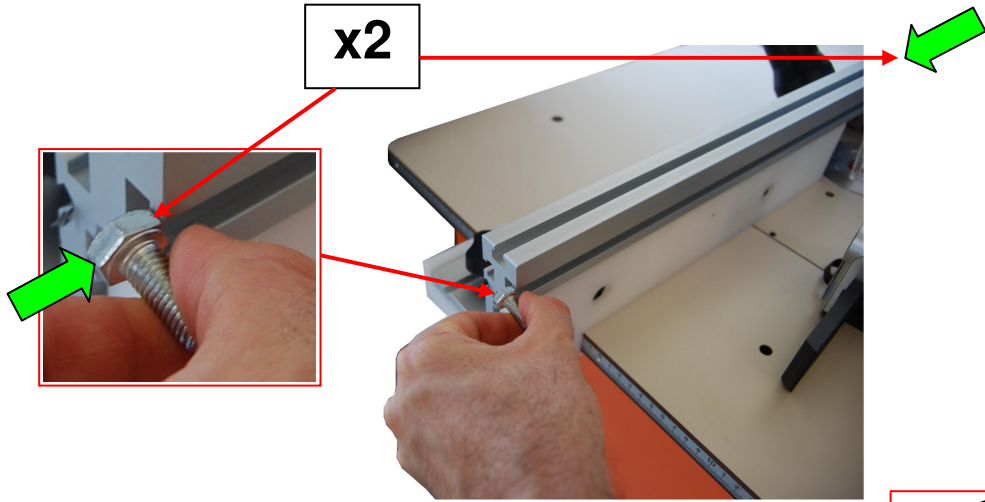


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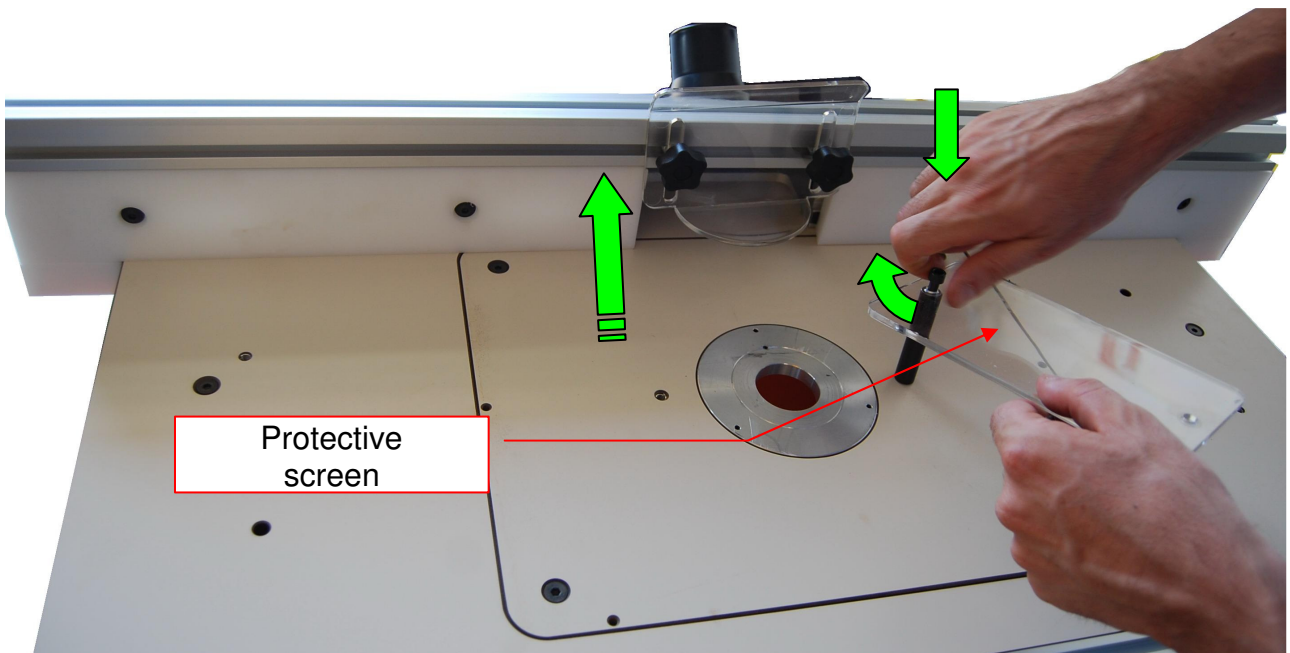


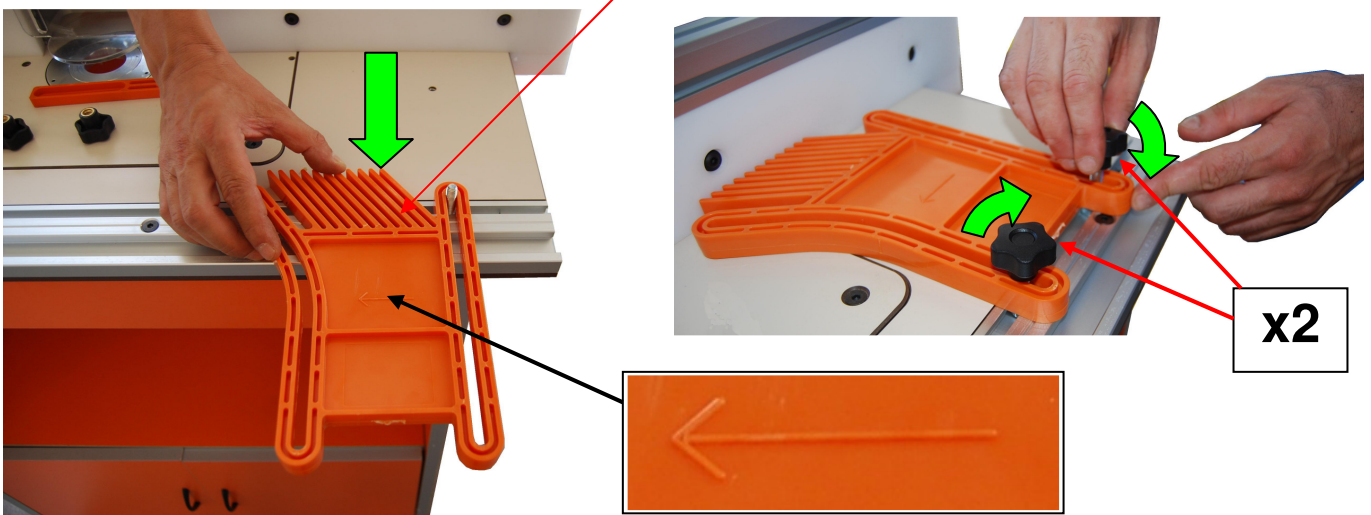
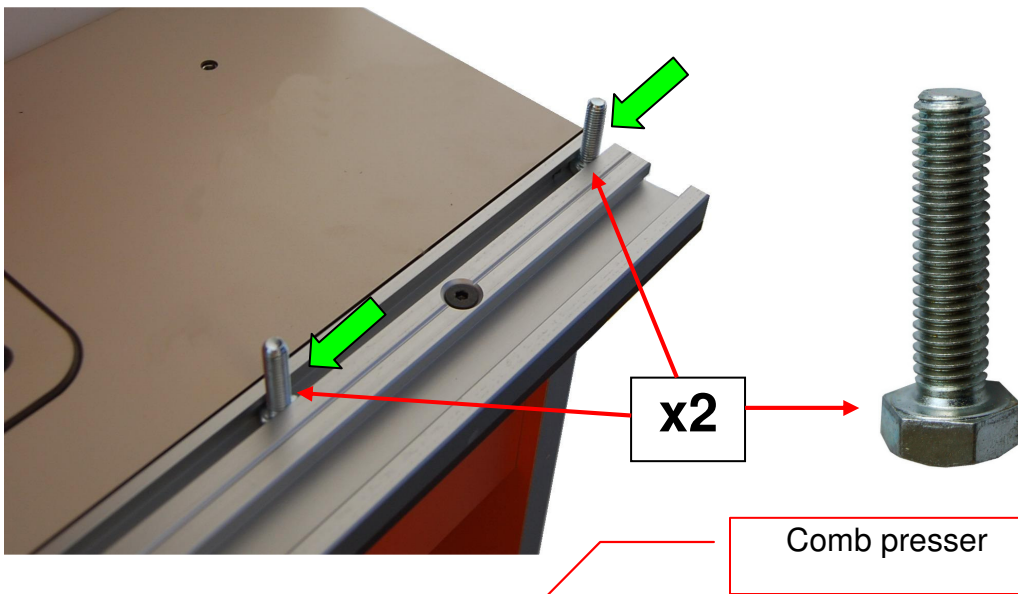
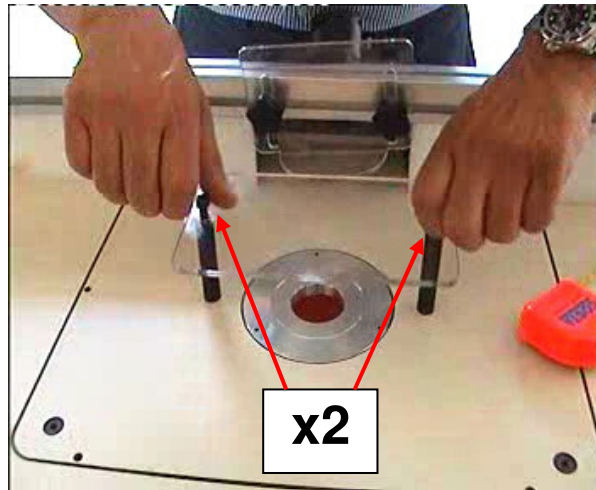
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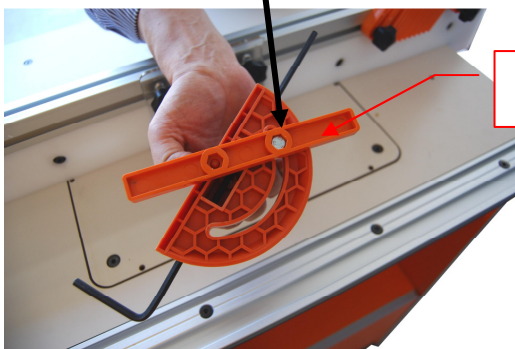
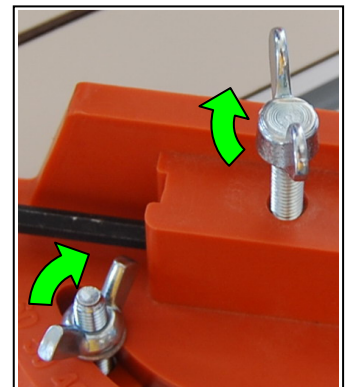
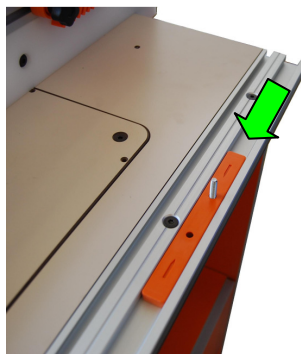
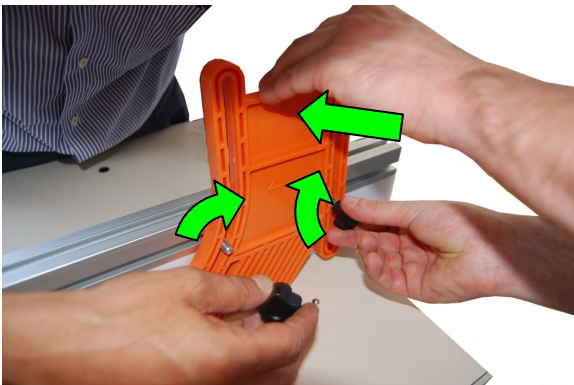
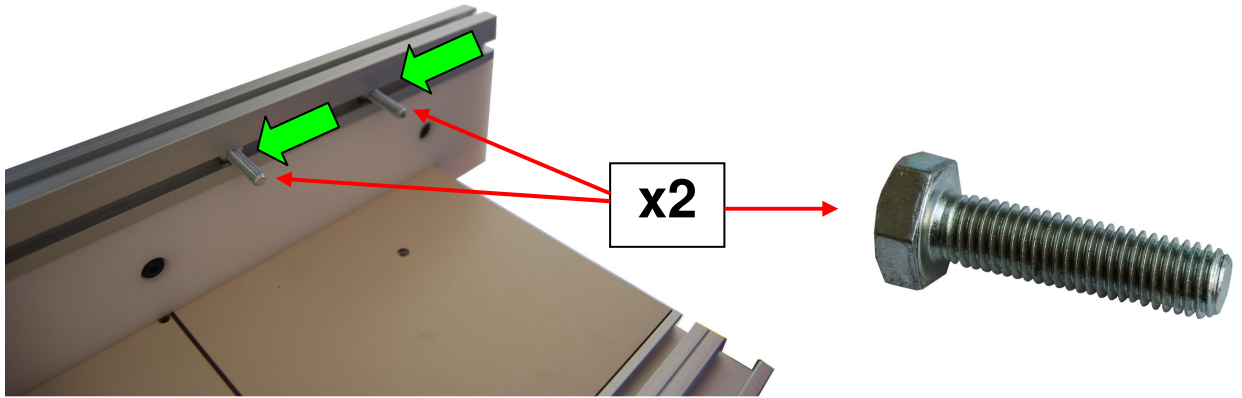




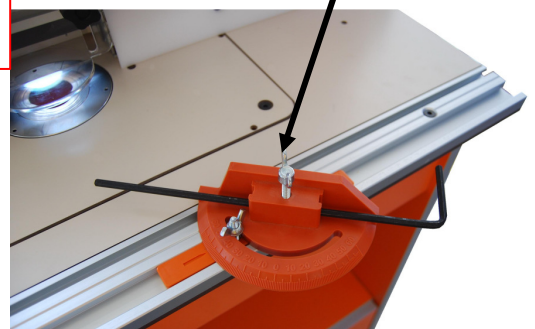
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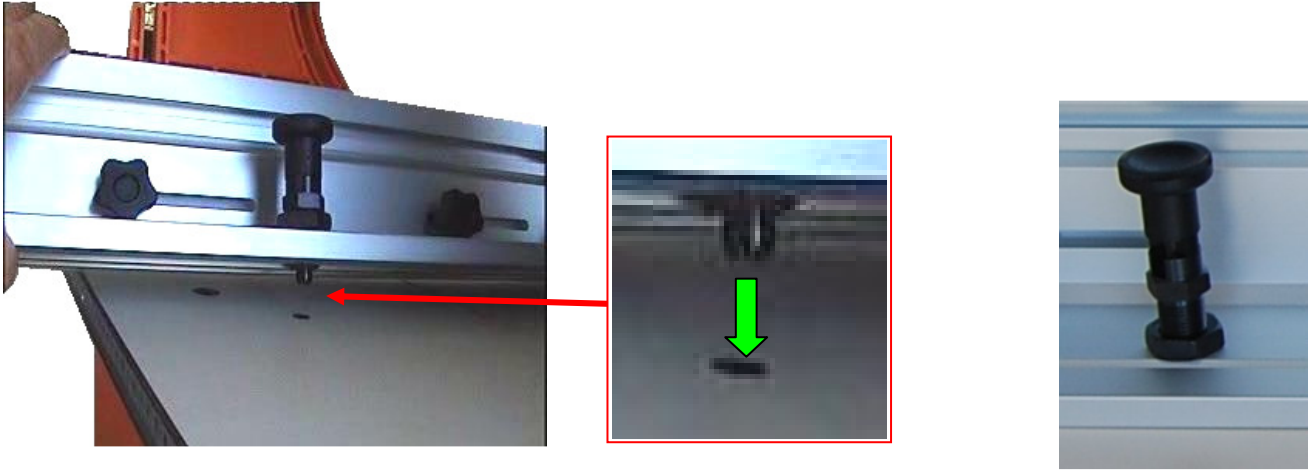




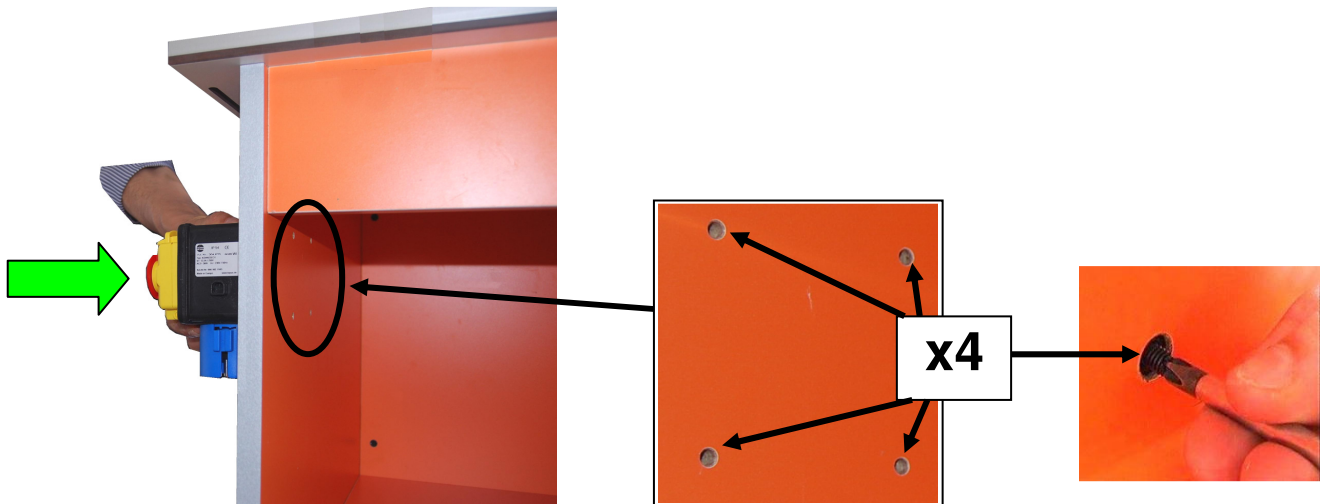
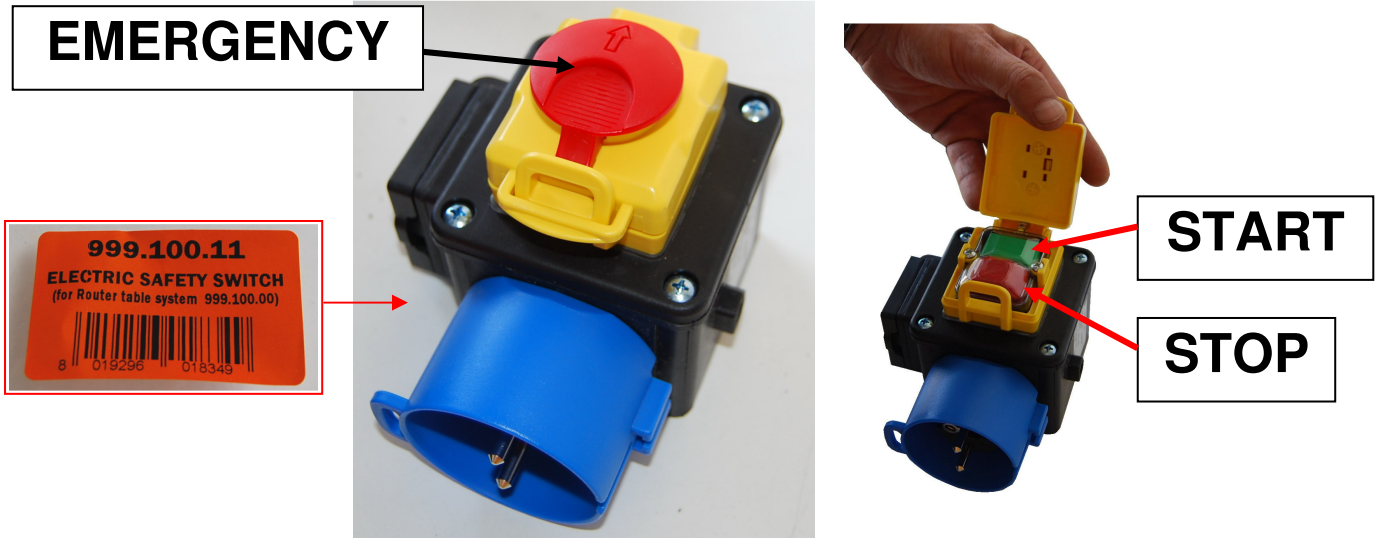


Graded guide





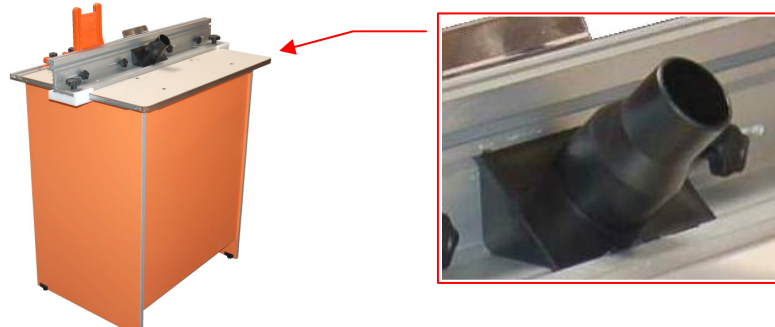
Installing the main switch with emergency stop



Information on safety devices

Connecting to the suction system

During milling operations the machine produces dust and waste that must be sucked up. To do this, it is fitted with a special manifold for connection to a suction system, which must be present on the premises in which the machine is being used. In the event of non professional use, the user must fit the machine with a suction system to collect machining waste and dust.



THE MACHINE MUST NOT BE USED UNLESS IT IS PROPERLY CONNECTED TO A FULLY FUNCTIONAL SUCTION SYSTEM. DO NOT SMOKE OR USE LIVE FLAMES



ALWAYS CHECK THE STATE OF THE SUCTION SYSTEM AND THE BAG OR EQUIVALENT CONTAINER IN WHICH THE WASTE IS DEPOSITED.

Notices for connection to the suction system



The machine must be connected to the suction system by trained technicians authorised to do so by the owner of the company in which the machine is installed.



THE INTERVENTION OF UNAUTHORISED PERSONS IS PROHIBITED



BEFORE PERFORMING ANY OPERATION, DISCONNECT THE MACHINE AND THE SYSTEM FROM THE ELECTRIC POWER SUPPLY



THE CONNECTION MUST BE SAFE AND MUST NOT BE LEFT HANGING. FURTHERMORE, IT IS ESSENTIAL THAT YOU COMPLY WITH THE INDICATIONS PROVIDED BY THE SYSTEM MANUFACTURER AND PROVIDED IN THE RELEVANT USER MANUAL.

During connection operations:



DANGER OF INJURY



WEAR SUITABLE PERSONAL PROTECTION DEVICES (GLOVES AND SUITABLE CLOTHING) AND USE SUITABLE TOOLS

Guards

The machine is fitted with two guards, made of transparent polycarbonate. One is adjustable and the other is fixed.

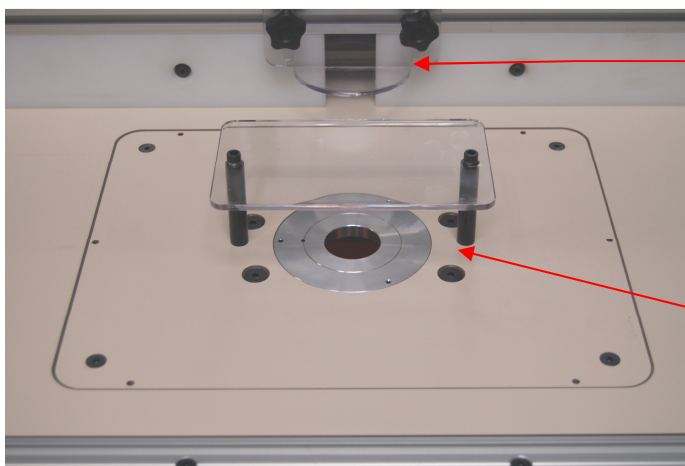
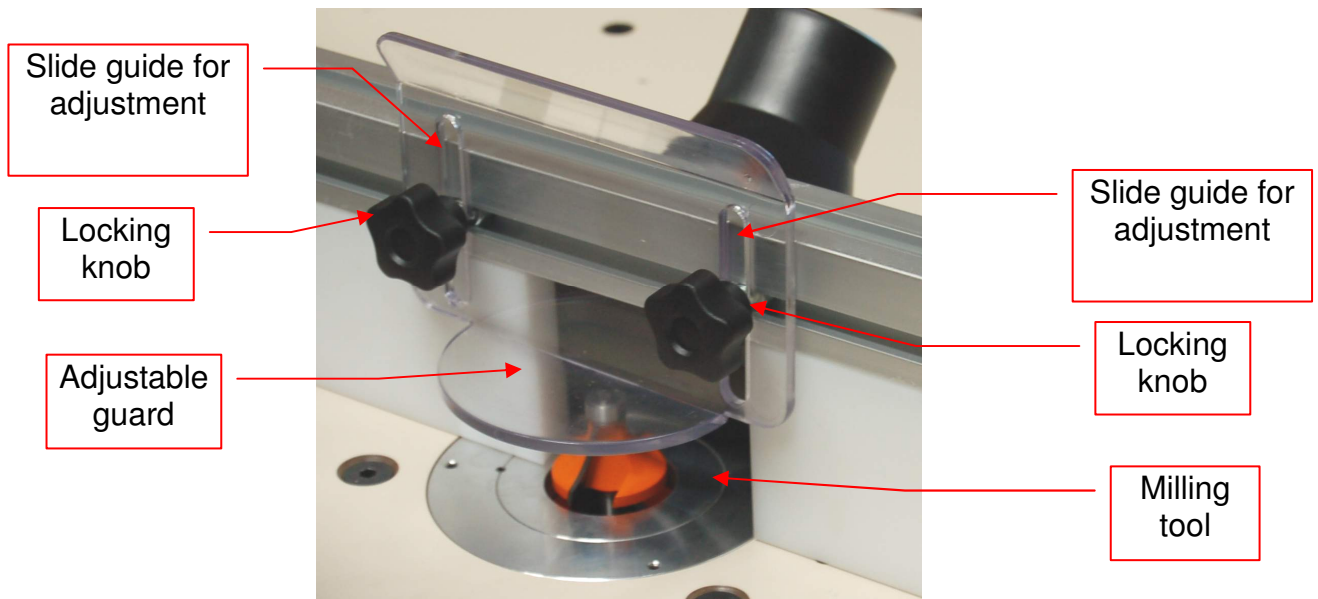
The adjustable guard is used to cover the dangerous working area in which the tool operates.


It is adjusted by unscrewing the locking knobs, sliding the guard in the guides provided, and finally locking the knobs again. The other guard is fixed.

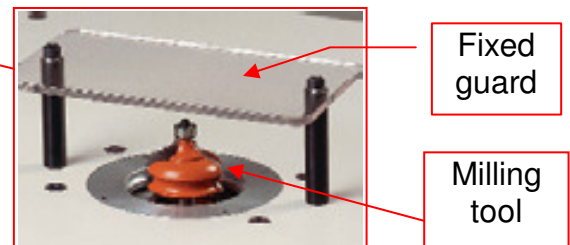
The guard must be adjusted so that only the part required for machining is left uncovered. The fixed guard is fitted to the columns provided, and must be locked to them.



THE ADJUSTABLE GUARD MUST BE POSITIONED SO THAT ONLY THE PART REQUIRED FOR MACHINING IS LEFT UNCOVERED.



 When the fixed guard is fitted, the adjustable guard must be moved back together with the stop guide upon which it is fixed

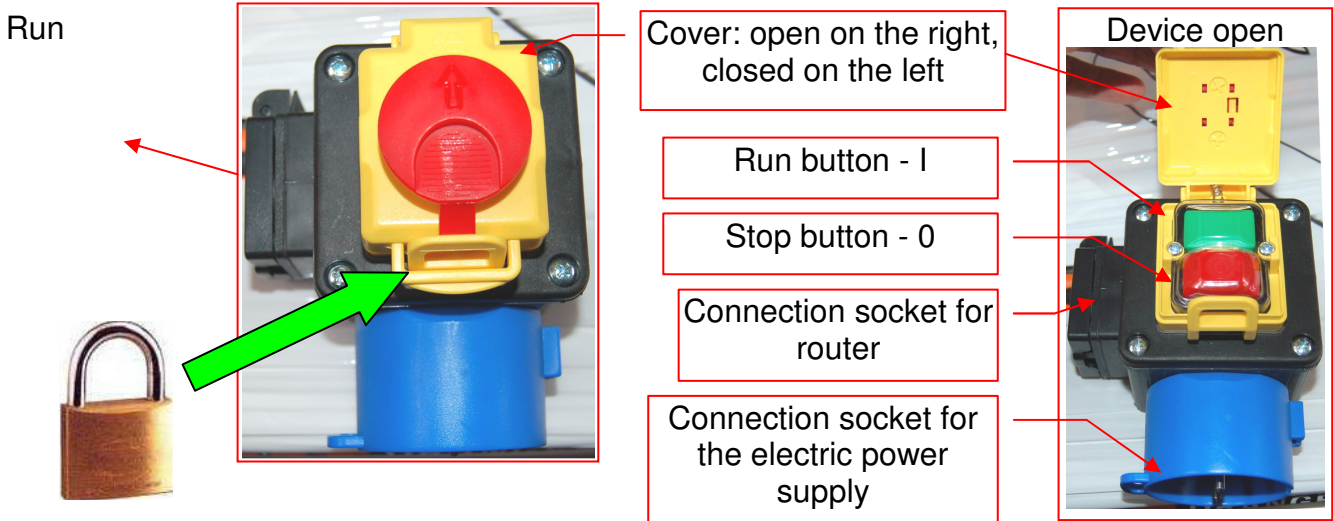


NON RIMUOVERE I DISPOSITIVI E LE PROTEZIONI DI SICUREZZA

**The safety guards must never be tampered with and/or removed.
The machine must never be used with missing or damaged guards.
The machine must never be used by untrained and unauthorised persons.**

Electrical connection device and controls

The machine may be fitted with a device that has a special cover which, when open, allows access to the run and stop buttons, and when closed also acts as an emergency stop device. This type of device is fitted with a slot, which can be used when the cover is closed. The slot is used to lock the switch mechanically, using a padlock; this is done when carrying out maintenance or to prevent the machine from being used.

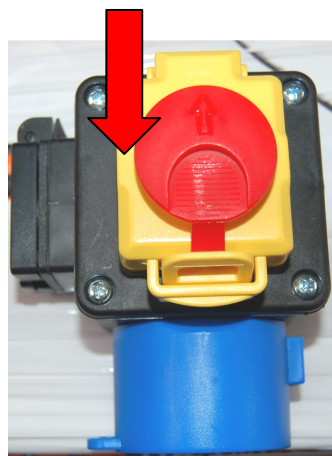


NEVER LEAVE THE KEY IN THE PADLOCK.

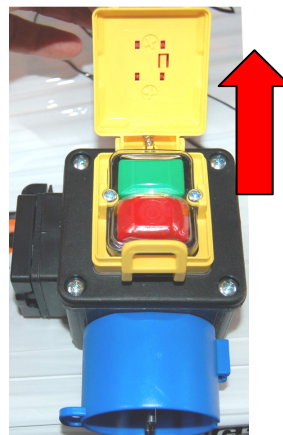
THE KEY MUST BE KEPT BY THE MAINTENANCE TECHNICIAN, AND MUST ALWAYS BE STORED IN A SAFE PLACE.

Figure 1 - Electrical connection device and controls

The cover over the buttons acts as an emergency stop. When it is closed it presses on the stop button and the machine stops. It is unlocked by opening the cover.



Stop command



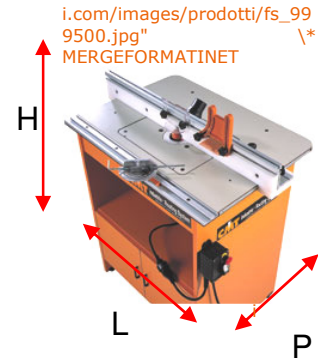
Unlock

Transport and movement of assembled table

The machine dimensions and weight are:

W = Width	79	cm
D = Depth	59	cm
H = Height	93	cm
Weight	55	Kg

Table 1 - Machine dimensions and weight



Moving

The machine can be picked up using a suitable fork lift truck and positioned within the premises in which it is to be installed, as follows.

1. Position a suitable fork lift truck in the vicinity
2. The machine must be lifted by two people
3. Rest it properly on the fork lift truck



Work two people together, implementing all the procedures relating to manual movement of loads



MANUAL MOVEMENT OF LOADS

The following warnings apply:



DANGER OF INJURY



DANGER OF CRUSHING



WEAR SUITABLE PERSONAL PROTECTION DEVICES: GLOVES AND PROTECTIVE FOOTWEAR

WARNING



Unloading operations must only be carried out by experienced, authorised staff, with the aid of a suitable transport system (fork lift truck or pallet loader suited to the weight to be moved).



Implement all the safety precautions relating to movement;



Check that the lifting capacity of the vehicle used for transport is compatible with the weight to be transported;



Pay particular attention to ensure that the load remains stable during movement;



Implement all the safety requirements foreseen by current law;



During movement pay great attention to hanging loads, and make sure that there are no persons, property or animals that might obstruct movements and cause or suffer danger.



CAUTION IN THE USE OF FORK LIFT TRUCKS



FORK LIFT TRUCKS MUST UNDER NO CIRCUMSTANCES BE USED BY PERSONS NON EXPRESSLY AUTHORISED TO DO SO BY THE OWNER, AND WHO HAVE NOT BEEN ADEQUATELY TRAINED

Installation



The operations required to install the machine must be carried out by experienced staff.

The choice of the room in which the machine is to be installed must be made taking into account not only the dimensions, weight and static load of the machine, but also the following points.

- The environment within which the machine is to be installed must not be dusty; the presence of dust may be detrimental to proper operation of mechanical, electrical and electronic components.
- The environmental parameters must always be within the following values:
 - Minimum temperature $\geq 10^{\circ}\text{C}$
 - Maximum temperature $\leq 40^{\circ}\text{C}$
 - Maximum relative humidity $\leq 50\%$ at 40°C



The floor on which the machine is to rest must be capable of bearing the weight of the machine, and must be flat.

The work table is fitted with four special support feet.

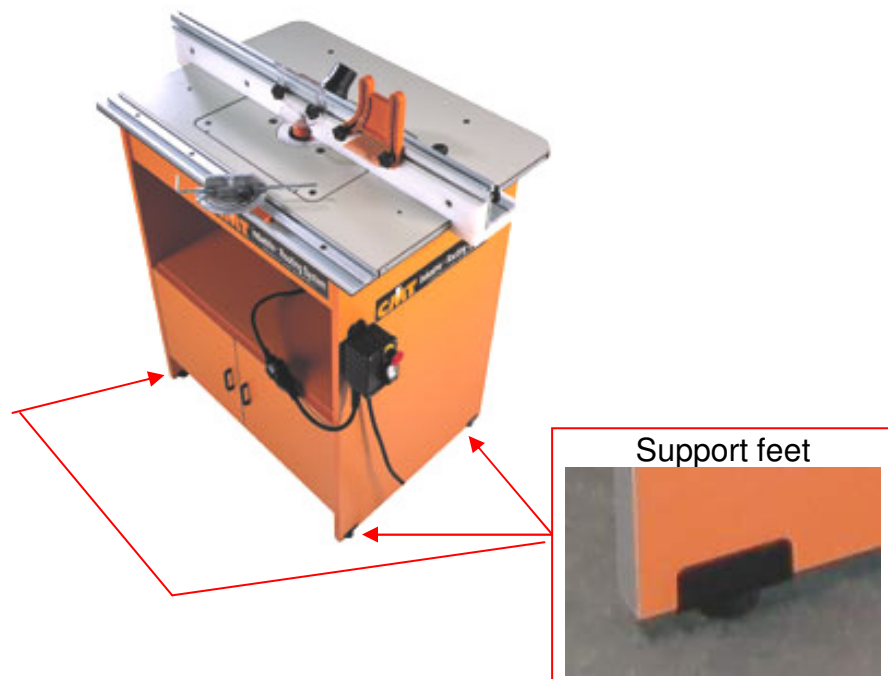


Figure 2 - Machine feet

Lighting

Reference standard: EN 12464-1:2004 (Lighting in the workplace part 1: indoor workplaces)

The lighting must comply with the requirements necessary to allow the operator to carry out his work. When designing the machine, the manufacturer used the values recommended by standard EN 12464-1:2002 on the lighting values that must be present in the building in which the machine is installed. Consequently, in line with the above standard, the machine in question must be installed in an area with the average lighting values (lx) indicated below. The lighting value must also extend to an area at least 0.5 m wide all around the working area.

The lighting present must also comply with the following safety principles:

- ↪ it must not flicker;
- ↪ it must not produce any type of glare;
- ↪ there must be no shadows that might cause confusion;
- ↪ no strobe effects must be created;

Lighting requirements recommended by standard EN 12464-1:2004

Item to be machined having rough or medium machining specifications: tolerance: 300 lux
Item to be machined having fine machining specifications: tolerance: 500 lux

Machine lay-out

The machine must be installed taking into account the requirements foreseen by current laws: specific Directives, Legislative Decree 81/2008 and subsequent additions and modifications, relating to current fire prevention regulations and standard EN ISO 14738:2009.

Those designing the work places and systems must comply with the general health and safety principles

Installers and plant, machine or other technical maintenance technicians must comply with the rules for safety and hygiene in the workplace, and with the instructions provided by the manufacturers of the machines and other technical equipment for which they are responsible.



In other countries, refer to the specific legislation in force.

Area for the machine operator

As regards the area available for the operator, remember that current legislation requires a surface area of at least 2 m² and a volume of not less than 10 m³ must be available for the operator. The surface area and volume are understood to refer to the gross area, that is to say without deducting furniture, machines and fixed installations. It must also be noted that standard EN ISO 14738:2002, on the Anthropometric requirements for design of workstations at machinery, provides the following indications regarding the minimum spaces to be occupied.

The visual needs of the task frequently determine the positions to be taken by the body. Design of the working area must take the following factors into account:

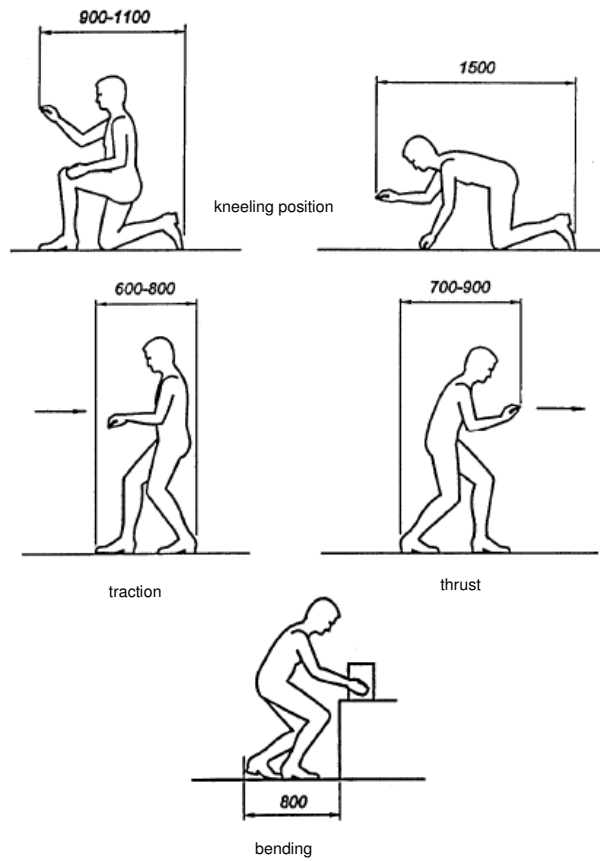
- angle of vision;
- viewing distance;
- ease of visual discrimination;
- duration and frequency of the task;
- any special limitations for the group of users, for example glasses or eye protections.

If the working area to be concentrated on is slightly to the side, people tend to turn their heads to see better. If the working area to be concentrated on is further to the side, people tend to turn their entire bodies. In this situation, space must be provided to allow legs and feet to follow the movement of the torso.

If the working area for the arms is to one side, people tend to turn their entire bodies to reach the area.

In these situations, space must be provided to allow legs and feet to follow the movement of the torso.

The figures below give indications of the main positions that may be taken by a worker while carrying out his job.



The figure provides information on the additional space required for the various dynamic positions of the body that may be used during normal operation and maintenance, when moderate force is to be employed.



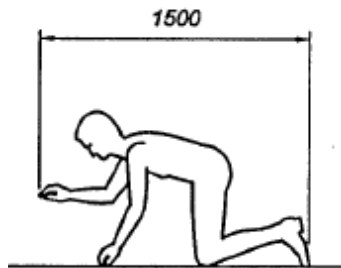
As foreseen by current legislation and by standard EN ISO 14738:2009 it is recommended that a free area of at least 1000 mm be left to allow movement of the body.

Area for the maintenance technician and emergency transit

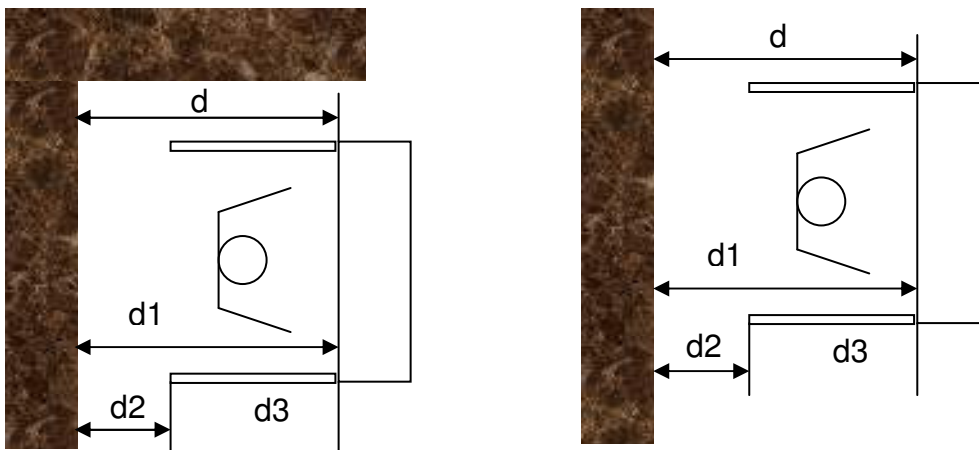
Bearing in mind that:

current legislation requires that when the machining operations and materials in a room do not involve any risk of explosion or specific fire risks the minimum width of passageways must be in excess of 800 mm; whereas in rooms housing machining operations and materials involving a risk of explosion or specific fire risks the minimum width of passageways must be greater than 1200 mm;

standard EN ISO 14738:2009 on the Anthropometric requirements for design of workstations at machinery, provides information on the additional space required during normal operation and maintenance involving a moderate use of force, specifically, in the kneeling position, which is the one requiring most space, a minimum additional space of 1500 mm must be foreseen;



in the presence of internal compartments containing operating devices, and machine side or free standing command and control cabinets, these must be positioned as indicated below



d = distance of the structure from the wall

d1 = additional space = min. 1500 mm

d2 = safety passage = 800 mm or 1200 mm according to the type of business.

d3 = dimensions of the mobile guard



As foreseen by current legislation and by standard EN ISO 14738:2009 it is recommended that the space required to carry out maintenance operations in safety and allow safe movement of operators be provided around the machine, the cabinets, the sub units, etc.
This space must be of a size based on the indications given above.

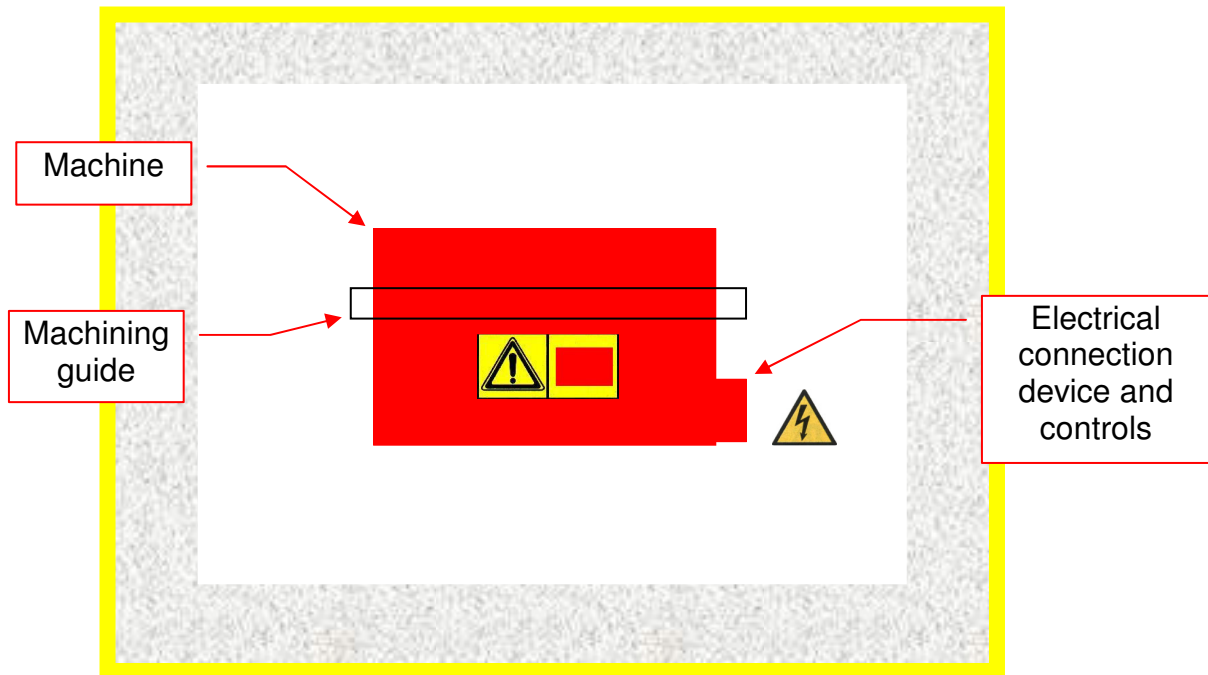


Figure 3 - Positioning the machine



After positioning the machine, it can be connected to the power supply.

Tasks and Position of the Operator

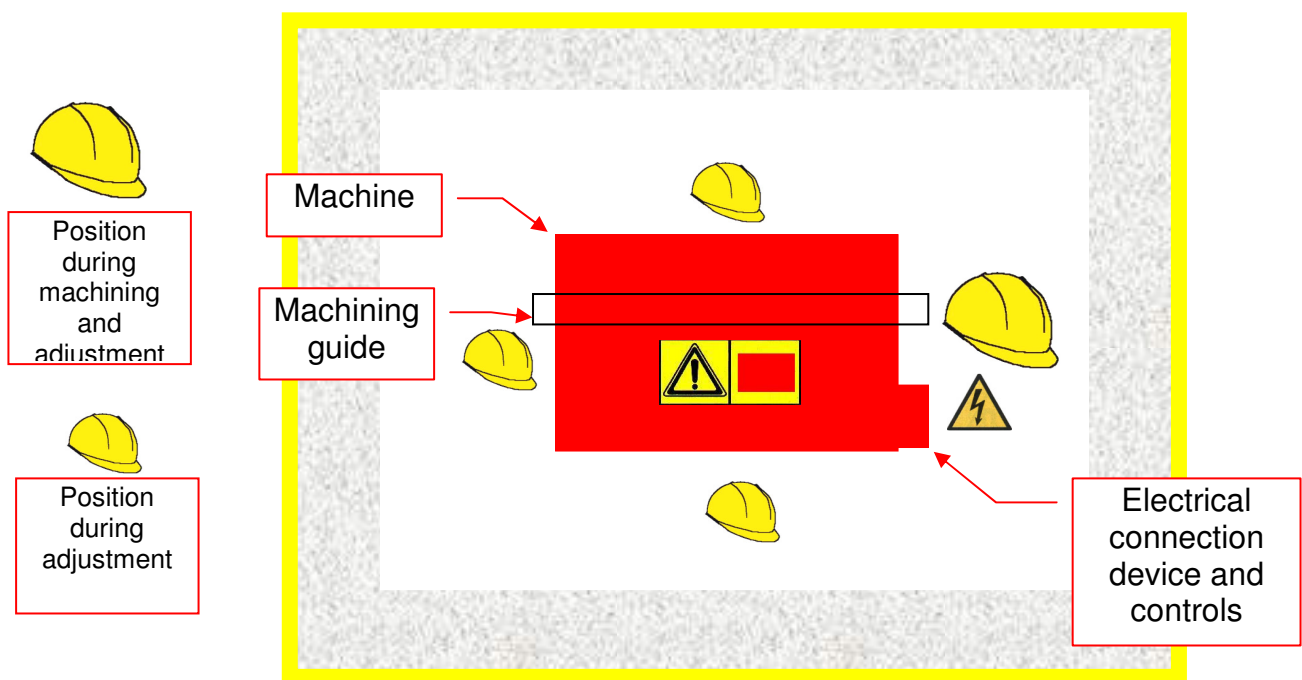
The operator has the job of:

- Fitting and adjusting the guards and accessories, according to the machining operation to be carried out and the shape of the pieces to be machined;
- Connecting the machine to the power supply (See relevant paragraph);
- Enabling the router for operation, using the commands;
- Pushing the piece to perform the machining operation;
- Carrying out periodic maintenance and cleaning of the machine.



The machine requires the constant presence of an operator to handle the material being machined and to adjust it.

The positions taken on by the operator while carrying out the actions described above are illustrated in the figure.



OPERATOR

Person in charge of installing, operating, adjusting, carrying out normal maintenance and cleaning the machine.

Figure 4 - Tasks and positions of the operator

Fitting a router on the table

The “INDUSTRIO™ ROUTER TABLE”, hereafter referred to as table or machine, is destined to be used for small workbench operations, either at industrial or non professional (hobby/DIY) level. When equipped with the specific accessories, which can be purchased separately, the table can be fitted with a router that allows milling of wooden profiles and the like.

The INDUSTRIO™ ROUTER TABLE is a piece of interchangeable equipment, and has therefore been designed and built in such a way that it can be assembled by the user to house a portable mill.

Assembly of the table with a portable mill creates a machine of the type foreseen in Annex IV to Directive 2006/42/EC.

In this case if the INDUSTRIO™ ROUTER TABLE is assembled with a router manufactured by CMT SpA type CMT7E, and assembly, use and maintenance are carried out as foreseen in this manual the resulting machine is to be considered to comply with the requirements of said Directive.

If this is not the case the assembler must carry out the specific certification procedures.

This paragraph provides all the instructions necessary to install the electric tool safely. These instructions apply to routers manufactured by CMT SpA.

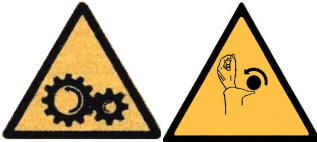
The complete user and maintenance manual for the machine comprising the INDUSTRIO™ ROUTER TABLE when assembled with a router manufactured by CMT SpA of type CMT7E is available on the CMT SpA website at the address www.cmtutensili.com.

Residual Risks

Even with the guards fitted and all precautions taken, the machine still involves the following residual risks for the operator when used with a router:



DANGER OF CUTTING AND AMPUTATION



DANGER OF CATCHING AND DRAGGING: ROTATING TOOL



DANGER OF INJURY AND IMPACT DUE TO REJECTION OF PIECE



DANGER OF INJURY



DANGER OF DUST AND NOISE



DANGER OF TOOL EXPLOSION



DANGER OF ELECTROCUTION DUE TO THE PRESENCE OF ELECTRICAL DEVICES CLOSE TO THE WORKING AREA



DANGER OF FIRE IN THE PLACE WHERE THE MACHINE IS INSTALLED, DUE TO THE PRESENCE OF WOOD, WOOD CHIPS AND SAWDUST.



ALL THESE DANGERS ARE HIGHLIGHTED BY SUITABLE SIGNS.

Cleaning

General instructions

Cleaning is considered to be a routine maintenance operation. These are regular or repeated basic maintenance operations that generally do not require any special qualification, authorisation or equipment.



Cleaning is an operation carried out with the machine disconnected from the electrical power supply.



Cleaning must be carried out:

- ⇒ **every time the machine is used. The machine's proper operation and working life also depend on how it is kept.**
- ⇒ **optionally during use, if considered necessary.**

The machine does not use dangerous substances; it can be cleaned following the procedures described in this chapter.

Within the limits allowed by their functions, the machine is free from sharp corners and edges, and from rough surfaces that might cause injury.

WARNING



**DANGER
DAMAGE MAY BE
CAUSED TO THE
MACHINE**



**DO NOT USE JETS OF WATER
TO CLEAN
DUE TO THE PRESENCE OF
ELECTRICAL COMPONENTS**



The working areas or other parts of the machine must be cleaned using equipment, methods and products suited to the purpose and to the specific environment, and using suitable PPDs.

Removal of dust, dirt or other elements from the working area or other parts of the machine must be carried out, if necessary, using equipment and methods suited to the purpose (for example a suitable vacuum cleaner).



Cleaning with compressed air must only be carried out using dry compressed air.

It is recommended that the operator wear a mask to protect his breathing system, a pair of goggles to protect his eyes and suitable clothing.

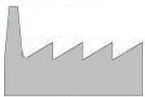
When using compressed air the operator must ensure that no other persons are present within his range of action.



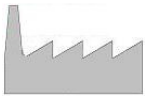
For details of how to clean the appliances making up the machine, please consult the relevant manuals (router and work table).



Remember that when cleaning substances are used by workers, the indications provided in the relevant safety sheets for those substances must be put into practice. These safety sheets must be supplied by the manufacturer and must always be available in the factory.



Assessment must be carried out in compliance with the requirements of Leg. Decree 81/2008 Section IX Dangerous Substances, Point I Protection from Chemicals. In other countries, refer to the specific legislation in force.



Remember that when cleaning substances are used by workers, the indications provided in the relevant safety sheets for those substances must be put into practice. These safety sheets must be supplied by the manufacturer and must always be available in the factory.



Inspection of the machine by cleaning

Dirty machines frequently cause problems.

Inspection of the machine during cleaning makes it possible to see situations that might not be noticed otherwise.

This paragraph gives certain general indications on how to inspect the machine during cleaning, indicating certain controls that are common to the majority of machines; it is not a complete list, but only an indication.

Mechanisms, components subject to wear, rotating parts, etc.

Main points to be checked:

- a) Dirt, chipping, differences in level due to wear, bumps on parts subject to wear and movement;
- b) Excessive play in moving parts and in rotating parts
- c) Screws that have come loose
- d) Damage to bearings;
- e) Etc..

Electrical system and control system

Always work with the assistance of an electrician

Main points to be checked:

- a) Dirt on control devices;
- b) Damage to control devices.

It is recommended that the trained technicians required take part in the inspection during cleaning, for instance:

- ⇒ Production technicians expert in materials, products, process methods;
- ⇒ Maintenance technicians experienced in the practical use of systems, the mechanical system, the electrical system and the electronic system;
- ⇒ Technicians experienced in instruments, measurement and management of safety.

Decommissioning the machine

The contents of this chapter must be followed absolutely when the company decides to stop use of the machine in its production cycle.



- Disconnect the machine from the electrical power supply by removing the relevant plug from the socket.
- Remove the plug from the power cable.
- Dismantling operations must only be carried out by qualified staff, following all the operating procedures given in this user manual carefully.
- Pack the machine up completely or place it in a suitable crate in order to prevent any damage during periods of storage.
- Transport the machine to the place of storage using a suitable fork lift truck.



CAUTION IN THE USE OF FORK LIFT TRUCKS

- Store in a dry, covered location, free from damp and well away from flammable substances.
- **NEVER** climb onto the machine or onto the crate containing it.



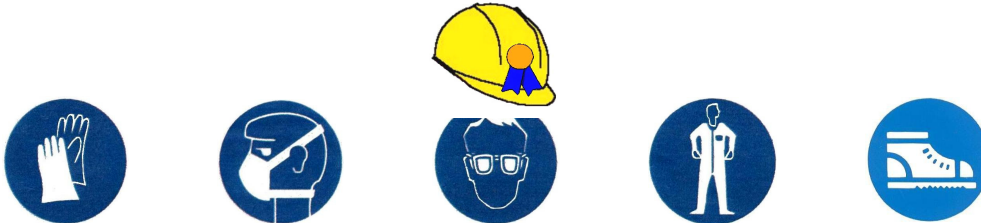
DANGER OF INJURY

Dismantling

The machine is mainly made up of iron components (structure, panels, mechanisms, etc.), other metals, plastic and cables, etc., which do not require any particular treatment when dismantled.

At the time of demolition it is advisable to separate the plastic parts from the metal ones, so that they can be sent for recycling according to the laws in force in the country in which the machine is installed.

As regards the metal parts of the machine, it is sufficient to divided the steel parts from those made of other metals or alloys, so that they can be sent for recycling.



Machine users are reminded that when disposing of components and substances that are harmful for the environment it is necessary to follow current regulations.

The user is responsible for keeping up to date with the substances that require special disposal procedures, and with the laws in force at the time of disposal.

The user is also reminded of his obligation, at the time the machine is demolished, to destroy the identification plates and documents relating to the machine.

Directive 2002/96 – Waste electrical and electronic equipment (WEEE)

As regards the WEEE Directive (Waste Electrical and Electronic Equipment), the necessary actions must be taken, in particular:

- remember that the substances contained in electrical and electronic equipment may be dangerous and may cause damage to persons and to the environment if improperly used or disposed of;
- never dispose of WEEE with normal urban waste, but send it for separate collection (for example at collection points provided by the public administration);
- check whether it is possible to use dedicated collection systems;
- check whether it is possible to return old appliances to the seller or to the manufacturer when new ones are purchased;
- check whether it is possible to reuse, recycle or recover the appliances in any way.

Also, remember that you will be liable for a fine if you dispose of dangerous waste illegally.



equipment must be disposed of separately.

Disposal that does not comply with the above indications will be punished according to art. 50 and following of Legislative Decree 22/97 (Ronchi Decree).

Directive 2002/95 – Restriction of the use of certain dangerous substances in electrical and electronic appliances (RoHS)

As regards the RoHS Directive, the machine does not involve components or parts containing:

Lead and compounds thereof, Mercury and compounds thereof, Cadmium and compounds thereof, Chromium VI and compounds thereof, Polibrominated biphenyl (PBB), Polybrominated diphenyl ethers (PBDE).

Construction and testing

The machine has been designed by highly qualified staff who have taken into account all the safety regulations currently in force and has performed careful analysis to prevent any accidents.

It has been constructed by operators of proven experience.

Both during manufacture of the components making up the machine and during assembly, tests have been carried out to prevent any problems.

Proper operation of the machine has been checked by means of severe testing.



This manual contains a quality control sheet certifying that operation of the machine has been tested successfully.

Warning notices

Suitable labels are provided giving warnings, notices and information.

CE Mark

The plate attesting "CE" marking is fixed to the structure of the table using rivets.



General warnings during machining

During machining operations certain things are prohibited:



Never put your hands near the machine's working parts when it is in operation;



Never use the machine if the safety devices have been removed or are broken, faulty or disabled;



Do not smoke or use live flames in the room where the machine is installed.



During machining, always remember that:

- ⇒ **The machine has been designed to process wood and materials with the same consistency as wood;**
- ⇒ **Do not stand near the machine, and do not allow others to do so;**
- ⇒ **Always respect the safety distances;**
- ⇒ **Never wear scarves, ties, loose clothing, bracelets, rings and anything else (belts, cords, etc.) that might get caught up during machining operations;**
- ⇒ **Never put anything into the moving components.**

General Safety Precautions

The indications provided in this chapter **MUST** be complied with.



General safety precautions

- Use, running, maintenance and repair of the machine by unskilled persons and/or unapproved persons and/or persons who have not been authorised by the factory overseer is strictly prohibited.
- Do not climb on the machine.
- Do not work on moving components.
- Do not allow untrained and/or unauthorised persons to stand at a distance of less than 1.2 m from the machine and from the working area.
- Do not carry out repairs with the machine turned on or connected to the electric power supply.
- Never wear scarves, ties, loose clothing, bracelets, rings and anything else (belts, cords, etc.) that might get caught up during machining operations.
- Never tamper with and/or modify any system and/or structure.
- Before carrying out any operation and/or using the machine always consult the manual and follow the instructions provided carefully.



Obligations of the owner of the company in which the machine is used

All operations relating to running, programming, maintenance, repair must be carried out by qualified staff who are authorised to do so by the company owner. The owner of the company using the machine is required to train the operator/operators, machine technician/s and staff on control and on how to carry out the required maintenance operations.

This training must be carried out following the indications provided in the general safety precautions in the strictest possible manner.

Furthermore, the following must be taken into account:

- The relevant warnings, providing staff with detailed explanations of their meaning and the consequences deriving from failure to comply with them;
- The contents of this user manual;
- Assembly and dismantling operations must only be carried out by qualified staff, following all the operating procedures given in this user manual carefully.

General Precautions in the event of Fire

The contents of this chapter must be complied with strictly in the event of a fire in the machine or in the vicinity thereof.



Fire Extinguisher



Check that a fire extinguisher is present in the machine's working area, and if not, provide one.

Check that the type of fire extinguisher present is compatible with the class of fire that might break out in the working area where the machine is installed.

Where to place the fire extinguisher

- Position the extinguisher in places that are easily accessible and clearly visible;
- Mark the presence of the fire extinguisher;
- Keep it in a state of complete efficiency;
- Pay attention to the instructions printed on the label;
- Perform maintenance every six months.

What to do to prevent fires

- Do not smoke;
- Do not use live flames;
- Do not store flammable substances near the machine.



What to do in the event of a Fire

Signal the Danger

Anybody who notices that a fire has started or sees anything unusual (the presence of smoke, floods, bursts, falling articles, loose flammable substances, etc.) must advise the factory overseer immediately and, if not properly trained, must request the immediate intervention of the firefighting officer, who must immediately carry out the following actions:

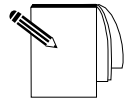
- disconnect the machine from the electricity using the specific switch located upstream of the machine itself;
- remove any material that might burn or represent any other danger.
- In the presence of smoke or flames it is advisable to cover your mouth and nose with a handkerchief, if possible damp, and to bend over while moving.

How to use the fire extinguisher.

- Remove the safety pin;
- Grasp the nozzle;
- Press the control lever all the way down and direct the jet towards the base of the flames;
- Stand at a suitable distance from the flames;
- If possible, to reduce waste, use the extinguisher intermittently;
- If a number of fire extinguishers are being used by several people, it is advisable for them all to stand on the same side (upwind) and in a position such that they do not interfere with each other.

Internal control sheet

Name	INDUSTRIO™ ROUTER TABLE
Model	
Serial Number	
Year of manufacture	



The following controls have been carried out:



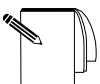
Check on proper operation of controls

Check on the presence of accident prevention warnings as indicated in the user manual

Check on the user manual

CHIUSA DI GINESTRETO PESARO

The Tester



Date _____



"CE" DECLARATION OF CONFORMITY**I, THE UNDERSIGNED****Mr. TOMMASSINI MARCELLO, acting as Legal representative of the company****C.M.T. UTENSILI S.p.A.****Via della Meccanica - 61122 Chiusa di Ginestreto PESARO (PU) - ITALY
Tel. +39 0721.48571 Fax +39 0721.481021****AS MANUFACTURER HEREBY DECLARE
UNDER MY SOLE RESPONSIBILITY THAT THE MACHINE**

Name	INDUSTRIO™ ROUTER TABLE	
Model		
Serial Number		
Year of manufacture		
Person authorised to draw up the Technical Folder	Global Service Italia Srl Via Garibaldi, 99 63029 Servigliano (FM) Italy	CIAVAGLIA Sergio

The **INDUSTRIO™ ROUTER TABLE** **COMPLIES** with the basic health and safety requirements of Directive 2006/42/EC and subsequent updates applicable thereto.

CHIUSA DI GINESTRETO PESARO

TOMMASSINI MARCELLO

dated _____

**Certificate of proper installation and successful testing for the buver**

Buyer

Company where the machine is installed

Order N°

date

Delivery date

Document N°

Name	INDUSTRIO™ ROUTER TABLE
Model	
Serial Number	
Year of manufacture	

Installation carried out by:

on

Testing carried out by:

on

Representing the user

The following were present during testing

At the end of installation and testing it is declared:

- * Installation has been properly carried out;
- * The machine is fully functioning;
- * All the guard devices are present and fully operational;
- * The Installer has provided all the information required for proper running, use and maintenance of the machine;
- * The Installer has provided all the information required for proper accident prevention;
- * The user manual is present.



For the Purchaser

For the User

For the Installer

This declaration is invalid if it is not properly filled in and signed. Copy for the Purchaser to be attached to the user manual.

Certificate of proper installation and successful testing for the manufacturer

Buyer

Company where the machine is installed

Order N°

date

Delivery date

Document N°

Name	INDUSTRIO™ ROUTER TABLE
Model	
Serial Number	
Year of manufacture	

Installation carried out by:

on

Testing carried out by:

on

Representing the user

The following were present during testing

At the end of installation and testing it is declared:

- * Installation has been properly carried out;
- * The machine is fully functioning;
- * All the guard devices are present and fully operational;
- * The Installer has provided all the information required for proper running, use and maintenance of the machine;
- * The Installer has provided all the information required for proper accident prevention;
- * The user manual is present.

For the Purchaser

For the User

For the Installer

This declaration is invalid if it is not properly filled in and signed. Copy for the Installer to be sent to the Manufacturer.

The Purchaser and the Installer who fill in this certificate, hereby authorise the manufacturer of the machine to process the information provided herein, as required to manage the guarantee and ensure traceability of the product, under Legislative Decree 196/2003 "Safety of personal information" (Privacy).