

Unpacking Manual

Thor



ORIGINAL INSTRUCTION

Code:

Year: 2019

Rev.: 02

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2. UNPACKING

2.1. GENERAL RECOMMENDATIONS




The machine is delivered on a wooden pallet covered with corner protectors and triple wall cardboard in order to avoid any risk of damage during transport.

All the accessories supplied are contained in the same wooden case.

2.1.1. DIMENSIONS OF THE PACKAGE

The dimensions of the package depend on the machine configuration.

	ThorTinting (Master)	Thor Muletto
Pallet width (mm)	75	75
Pallet depth (mm)	80	80
Height on pallet (mm)	183	183
Weight of packed Thor (kg)	242 (271)	191

	WARNING: DO NOT PERFORM ANY OPERATION BEFORE CAREFULLY READING THE WHOLE OPERATOR'S MANUAL.
	WARNING: HANDLE WITH A DOUBLE FORK-LIFT TRUCK, TRANSPALLET OR SIMILAR DEVICE WITH A CAPACITY OF AT LEAST 500KG.
	NOTE: NEVER DISPOSE OF THE MACHINE PACKAGING IN THE ENVIRONMENT AFTER UNPACKING. TAKE IT TO THE SPECIFIC COLLECTION POINT.

2.2. UNPACKING

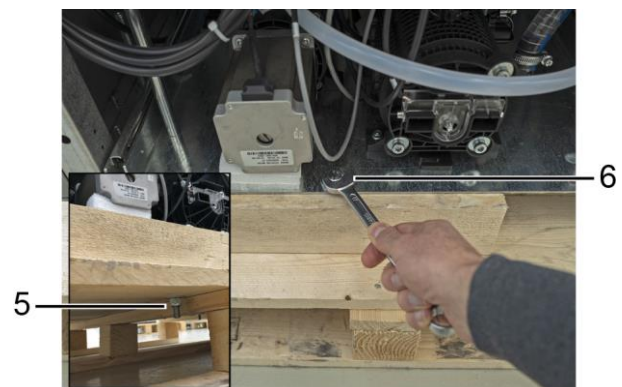
The unpacking procedure described in this paragraph is conceptually valid for all the individual packages, regardless of the configuration.

- Using a cutter, carefully remove the straps.
- Lift the wooden cover (1), remove it and place it on the ground close to the machine.
- Slide the cardboard box upwards and remove the internal Pluriball protections of the machine.
- Cover (1) has to be stored undamaged. It can be used as a ramp to unload the machine from the pallet.



To free the machine from the pallet, remove the cover outer panels and the fixing screws securing the machine to the pallet. In order to do so, proceed as follows:

- Remove the low rear panel by loosening no.4 button head M6x12 retaining screws (2) with a 4 mm Allen key.
- Remove the two side panels by loosening the M6x12 TCEI screw present under each panel (3) using a 5mm Allen key; then slide the panel towards the back of the machine so that the slots present in the lower part of the panel (4) are released from the anchor pins present on the base.
- Using two 17 mm wrenches, block the nut under the pallet (5) and loosen the no.3 M10x150 screws (6) securing the base to the pallet.
- Similarly, loosen the two screws on both sides of the machine (7).
- Adjust the wheels so that they slightly touch the pallet, then remove the wood spacers that are between the machine and the pallet (8).



- Slowly push the machine on the pallet by letting it slide on the wheels.

This operation must be performed by at least two operators, keeping the machine from both sides to avoid unbalances, overturning or loss of control during the descent. Check that the footboard does not move when the machine passes from the pallet to it.



- Place the machine in its installation place, on a surface suitable for sustaining its weight or on perfectly smooth and level flooring.

Refer to chapter 3 – INSTALLATION to lower the supporting feet and complete the installation.

2.3. OPENING PACKAGE AND CHECKING THE CONTENT

After unpacking, make sure all parts are in place and that the machine does not show any internal or external damage or evident fault.

The supplied accessories are housed in a well-visible position.

Make sure all these accessories are provided:

- Power cable;
- Connecting cable;
- Ethernet cable;
- User's manual;
- Spare fuse kit;
- Autocap sponge kit.



2.4. MOVING THE MACHINE

Thor must only be moved under conditions of maximum safety.

In order to move the machine with the cabinet, it is possible to raise the support feet and use the dedicated wheels.

IN ORDER TO AVOID THE RISK OF PAINTING SPILLS INSIDE THE MACHINE, NEVER MOVE THE MACHINE WITH THE COLORANT CIRCUITS FULL.

BEWARE OF ANY STEPS OR IRREGULARITIES IN THE FLOORING/TERRAIN THAT COULD RESULT IN SUDDEN STOPPAGES, AS THESE COULD CAUSE MACHINE TO BECOME UNBALANCED. ALWAYS PROCEED AT A LOW SPEED WITH TWO PEOPLE HANDLING THE MACHINE AT ALL TIMES.

For bigger movements, it is necessary to use a suitable lifting mean. In this case, proceed as follows:

- Switch the machine off and disconnect all electric connections (power supply, ethernet, etc.);
- remove PC, keyboard, monitor and any other device from the machine bearing surfaces;
- Push the machine on the forks of a forklift truck or a manual lift truck having a suitable capacity, after checking the weight of the configuration in section 1.5.4 of the operator's manual;

EMPTY ALL TANKS OR BRING THEM TO MINIMUM LEVEL BEFORE LIFTING AND/OR MOVING THE MACHINE.

LIFT THE MACHINE CAREFULLY, TAKING CARE TO MAKE SURE THAT IT IS GRIPPED PROPERLY AND IS NOT AT RISK OF TIPPING OVER

- Handle the machine using the forklift truck and position it in the required space.

Always place the machine on a surface suitable for sustaining its weight or on perfectly smooth and level flooring.

Once the movement has been completed, lower the support feet to stabilise the machine and reconnect the electrical circuits. Use a spirit-level to level the machine.

3. INSTALLATION

3.1. CHOOSING THE ROOM

The machine must be installed in a manned room, complying with the requirements in chapter 1.

DO NOT INSTALL THE MACHINE OUTDOORS OR ANYWHERE EXPOSED TO WEATHER.

THE EQUIPMENT IS NOT SUITABLE FOR INSTALLATION IN AREAS WHERE WATER SPRAY COULD BE USED.

ONLY INSTALL ON SMOOTH, FLAT AND STEADY FLOOR, ABLE TO SUSTAIN THE MACHINE FULL-LOAD WEIGHT.

THE MACHINE MUST BE POSITIONED ON A HORIZONTAL SURFACE (FLOORING WITH A GRADE BELOW 2%)

INSTALLATION ON INTERMEDIATE FLOOR IS ALLOWED ONLY IF THE REQUIRED LOAD BEARING CAPACITY IS VERIFIED (>1000KG/SQ.M).

INSTALL THE MACHINE AT 5-10 CM FROM THE WALLS, AND ENSURE THAT THE ROOM EASILY ALLOWS YOU TO EASILY OPEN THE SERVICE COMPARTMENTS AND THAT THE CIRCUIT BREAKER CAN BE EASILY ACCESSED.

3.2. PRODUCT LABEL AND ELECTRICAL CONNECTION

Make sure that the system meets the electrical requirements specified on the machine nameplate, then connect the power cable to the socket.

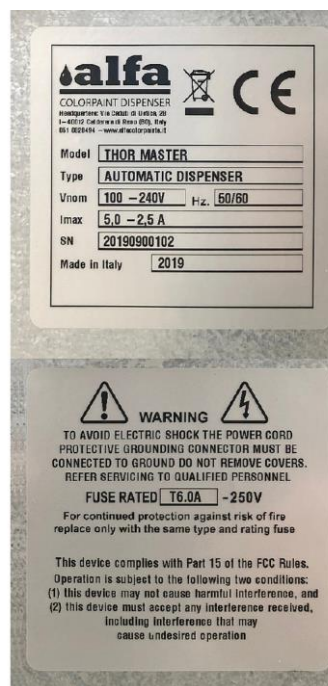
- Model: machine model
- Type: machine type
- Vnom: power supply voltage
- Hz: mains frequency
- Imax: absorbed current*
- SN: serial number
- Made in Italy: year of manufacture
- Fuse Rate: fuse value

The machine is equipped with a detachable power cable for connection to the mains.

Connect the machine to the mains using exclusively the cable supplied.

Always make sure that the voltage output from the mains is compatible with the nameplate specifications.

* maximum absorbed current in case of use of Thor at full load and of AUX sockets (see chap. 1 – ELECTRICAL CONTROL PANEL) with load of 200W.



USE ONLY LISTED DETACHABLE POWER SUPPLY CABLES NOT EXCEEDING 4.6 M. LENGTH, TYPE SVT OR SJT, 3X18 AWG 10 A, WITH GROUND CABLE.

To ensure the correct machine operation and the highest safety level, it is essential that the machine is connected to ground. Make sure that the system is connected to a power supply with an efficient ground.

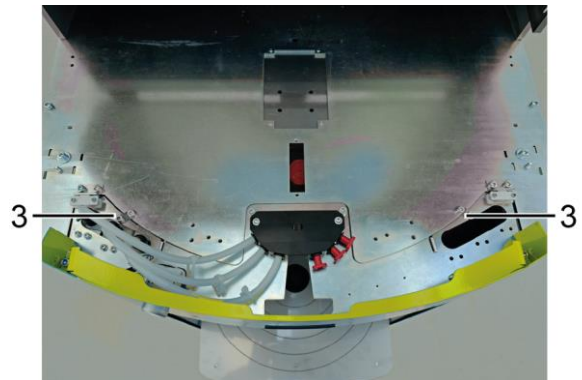


WARNING: ONLY CONNECT THE MACHINE TO ELECTRIC SYSTEMS PROVIDED WITH GROUND CIRCUIT CONNECTION COMPLIANT WITH THE NATIONAL STANDARDS.

3.3. COMMISSIONING - INSTALLATION

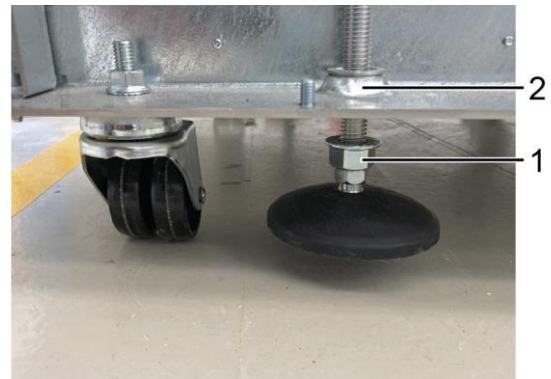
3.3.1. REMOVING THE MECHANICAL AND PARKING RETAINERS

- The semi-finished product carriage is secured to the machine by means of two small brackets. Loosen the screws and the brackets (1) with a 4 mm Allen key.



Once the machine is in the correct position, it must be stabilized on the adjustable supporting feet, acting as follows for each one of the 2 feet:

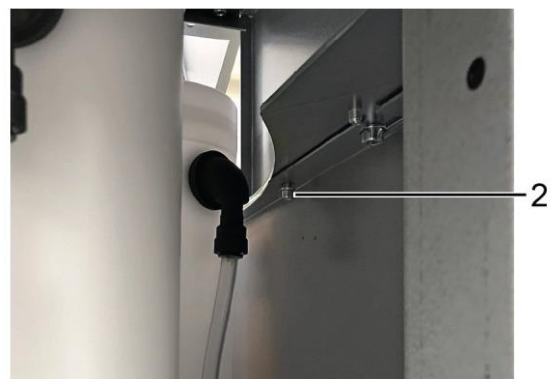
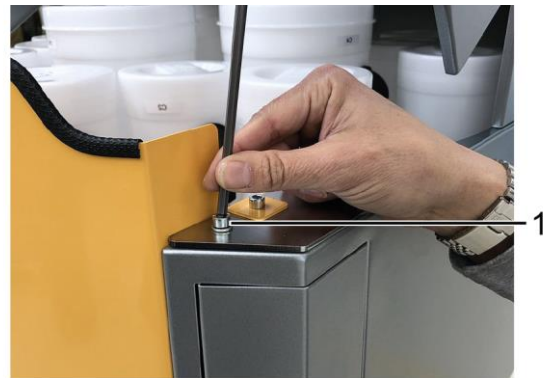
- Work on the nut/recess located at the base of the screw (1) with a 10mm wrench to lower the foot until the nearby wheel is completely lifted. As an alternative, tighten an M12 nut fully home on the insert (2) and work on it to lift or lower the foot using a 19mm wrench.
- Use a spirit level to correct the height of the 2 feet until obtaining a good alignment.
- Use an M12 nut to lock the foot;



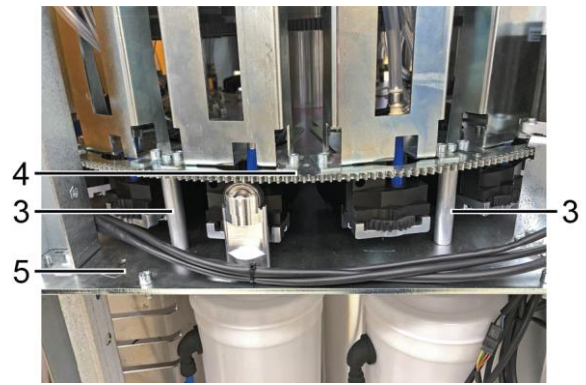
3.3.2. UNLOCKING TURNING TABLE

The turning table is fixed to the cabinet by 4 columns that prevent rotation during transport. Unlock the turning table as follows:

- Remove the upper side panels by loosening the M6 TCEI screw (1) with a 5 mm Allen key and the M5 TCEI screw (2) inside the machine with a 4 mm Allen key. To reach the internal screw access from the rear panel. The side panel can then be removed by sliding it towards the back of the machine.



- Remove the 4 columns (3), two on each side of the turning table securing the turning table (4) to the fixed base (5) by loosening the corresponding M5 TCEI screws on top of each column and the M6 TCEI screws under each column.



3.3.3. SEMI-FINISHED PRODUCT CARRIAGE EXTRACTION

To extract the base carriage from the cabinet the safety lock has to be released:

- Press button (1) and extract the cabinet by acting on handle (2).

