

INSTALLATION

1. PREPARATION

Safety measures

The buyer will take all the necessary safety precautions to guaranty a safe transport and functioning of the machine.

Transport

The customer will ensure the transport of the machine to its final place in the working area (adapted crane, fork lift truck).

Room temperature

The temperature inside the workshop should be between 15°C and 35°C. Special precautions will be taken in case of temperatures less than 15°C and greater than 35° C (for instance: cooling system in the electrical cabinet).

Installation

Ensure the supply of utilities (electricity, air, etc.) before installation of the machine.

Avoid high levels of high frequency electrical interference.

Avoid excessively dusty environments.

Floor

Check the loading capacity with an expert.

The floor should be able to carry the total weight of the machine.

2. HANDLING

Before handling the machine, check that there has been no damage to the machine during transportation.

All the damages or defects noted, for instance incomplete delivery, should be notified without delay in writing to the sender or the forwarder.

The machine must be handled by an adapted crane and 4 ropes secured to the 4 lifting bolts located on each side of the machine.

Use a lifting beam to ensure the perfect verticality of the ropes.

Do not attempt to lift the machine by securing the ropes to any mechanical part of the machine.

3. LEVELLING OF THE MACHINE

The machine is equipped with six levelling bolts, diameter: 130 mm. Each of them supports about 1000 kg, ensure the floor loading capacity is not exceeded.

The levelling bolts should be adjusted in order to ensure the machine is perfectly horizontal.

4. ELECTRICAL HOOK UP

The electrical hook up should be done by skilled personal.

The protective earthing should be installed with care. Any wrong connection could lead to a danger of death.

The electrical drawings are located inside the door of the electrical cabinet and should always remain attached to the machine.

Check with the electrical drawings and on the coupling of one of the electrical cabinet transformers for the correct wiring voltage.

Make sure it corresponds to the system. Hook up wires of the system at the input terminals of the machine.

Use suitable cable for the appropriate circuit breaker rating. The fuses can only be replaced by equivalent types.

5. PNEUMATIC HOOK UP

The machine is equipped with two air-inlets, one for the general machine supply, the other for the flame treatment supply.

The central air regulating and filtering system (0.4 to 10 bars) supplies the different air cylinders through the instrumentality of an electrical drive distributor of airing.

A pressure controller located down-stream of these devices prevents the machine from working without an air supply.

Each air-inlet is equipped with a thread connection 1/2" for flex, interior diameter: 16 mm.

The general air-inlet must be connected to a 6-bar pressure system.
The flame treatment air inlet must be connected to a 4-bar pressure system.

The air treatment device is located on the left side of the infeed module.

6. GAS HOOK UP

The gas connection is located on the left side of the infeed module, above the air-inlet for flame treatment supply.

The machine is fitted with 2 separate gas inlets, one for each flame treatment station.

7. HOOK UP OF THE CURING UNIT EXTRACTION

Hook the cooling fan of the UV curing unit to the exterior of the workshop.
See chapter "Safety" for the installation conditions.

8. ELECTRICAL START UP

Before machine start up, check:

- electrical voltage
- feeding voltage, relays and electrovalves
- oil levels

Turn upward the main disconnecting switch located on the control cabinet.

The pilot light "Power on" lights on. If it does not light on, check the hook up to the system, the system power supply and the disconnecting switch fuse.

Check that no emergency stop is engaged, and press the button "RESET".

Engage the emergency stop buttons and check their working condition. Control the safety devices and their working condition.

Before running the machine, and after each disconnecting of the system, the sense of rotation of the three-phase AC motor must be checked.

To do this, turn the disconnecting switch of the UV control cabinet placed inside the main control cabinet and start the cooling fan.

Check the revolution of the fan is in the correct direction.

Otherwise, shut power of the machine and change over two of the input wires, on the terminal, in order to reverse the rotation of all elements.