

0 1 x 0001**GENERAL EQUIPMENT FEATURES OF OFFER FOR SPRAY LINE**

Passline Height: 900 mm

Operating side: RH, as viewed from inlet of line. LH available.

Workpiece Dimensions (Approx.):

Min. - max. length: 12" - 12'

Min. - max. width: 3/4" - 48"

Min. - max. thickness: 1/4" - 3-1/2"

Max. weight: 150# per piece

Speeds:

Mechanical speed: 1-3 m/min

Avg. production speed: 2 m/min

Connections:

Voltage: 480 V/ 3 Ph + Ground / 60 Hz

Standard distribution system: TN-S

Compressed air: 6 bars

Thermal connection Required: electric (option: hot water, steam)

Product: Cabinets

Coatings: Water Base

These line specifications supersede the individual machine descriptions in the case of any disagreement.

1 1 x 041601 AUTOMATIC SPRAY MACHINE MINI

With paper protective system for belt conveyor.

CONVEYING SYSTEM AND PAPER PROTECTION DEVICE

In-feed and out-feed driven roller conveyor system.

Central belt conveyor with protective paper device.

The paper function is to absorb the overspray, thus protecting the conveyor belt underneath.

The machine is equipped with a paper roll unwinding system at the in-feed and rewinding system at the out-feed.



The supply includes one roll of paper.

Technical data:
 Paper roll width 1600 mm
 Max. paper roll diam. 300 mm

1 x 041600

GENERAL DESCRIPTION

The automatic through-feed spraying machine mod. MINI achieves the advantages of automatic spraying process with a limited investment.

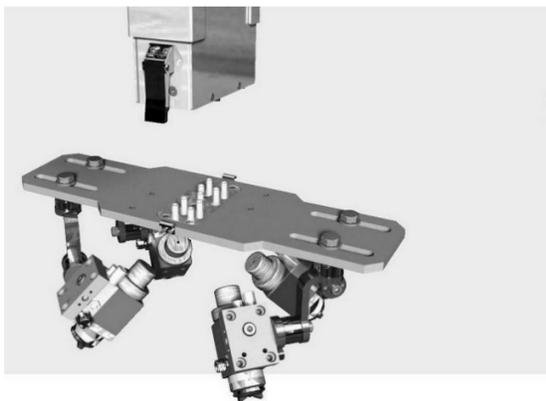
SPRAYING ARM AND LACQUER CIRCUITS

Lacquer application system consisting of a reciprocator with single arm driven by brushless motor and sliding on a high precision linear guide.

Accurate motion guaranteed by high precision reducer.

The arm is equipped with guns holder supporting up to max four guns, with two lacquer circuits.

To achieve a higher level of flexibility, the MINI features, as standard, the QUICK-CHANGE system for the guns holder.



2 atomizing manometers placed on the outside of the cabin, each to control 2 guns.

Based on the type of product as well as the grammage to be applied, it is possible to use three different types of guns (not included in the supply):

- Low pressure guns
- Airmix guns
- Airless guns

ENCLOSING CABIN

Controlled spraying environment thanks to the enclosing cabin with a highly efficient double side air suction system with dry filters.

Perfectly balanced suction air flow thanks to separate exhausts for the left and right filter tanks.

Filtration by means of double stage dry filters.

The cabin is also equipped with an inspection window on the workpiece in-feed and out-feed.

The machine structure integrates all necessary items: control cabinet, exhaust fans, pump support.

See below for included down draft option,
 code 1 x 049669 PRESSURIZATION SYSTEM
 PLC CONTROLLED



The automatic detection of the required working width along with the PLC control allow the reduction of lacquer consumption and achieves consistency in the quality results.

- "B&R" PLC control with 5,7" colour touch screen mounted on board of the machine, to set and control the automatic spray guns opening and closing in agreement with the conveying speed and with the recognised necessary working width.
- Easy to use control software OPTISPRAY

TECHNICAL FEATURES:

Working width	1300 mm
Max. work-piece thickness	120 mm
Working table height	900 +/- 20 mm
Feed speed	1-3 m/min
Compressed air consumption approx.	1800 NI/min. (with 4 airmix guns)
Exhaust air volume	8000 m3/H
Installed power	9 kW
Colour grey RAL	9002
Operating side right hand (left by request)	
Infeed roller conveyor length	676 mm
Outfeed roller conveyor length	707 mm
Cabin height	2157 mm
Cabin width	3670 mm
Cabin length	2150 mm
Total machine length	3533 mm

Machine executed according to the European norms, suitable to be used with solvent-based lacquers. The correct use of the machine allows to keep the area with risk of explosion (Zone2) inside the machine.

Machine to be positioned in a safe environment (not classified as an area with risk of explosion).

Control cabinets have no explosion-proof devices and have to be placed in a safe environment.

1 x 049601 **STD USA = 480 V /60 HZ - NORME UL**
Execution according to USA UL standards and voltage 480V/60Hz.

1 x 049611 **EXECUTION OF THE HOLDING PLATE FOR AIRMIX/AIRLESS GUNS**
Holding plate execution for airmix/airless guns

2 x 049648

EXECUTION OF LACQUER PIPE FITTINGS IN STAINLESS STEEL (for 2 circuits)

Execution of the pipe fittings for 2 lacquer circuits in stainless steel, instead of galvanized.

1 x 049669

PRESSURIZATION SYSTEM

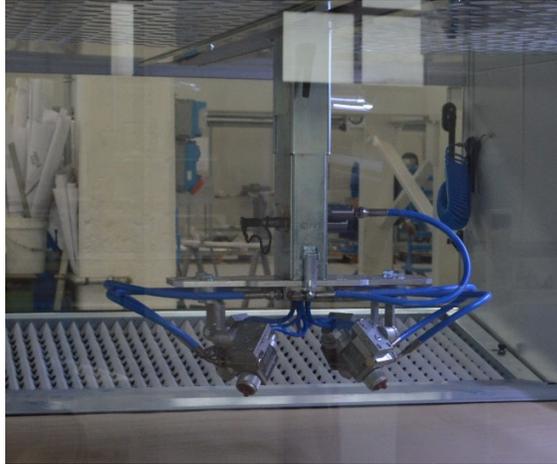
The pressurization system consists of two air intake blowing fans combined with a prefiltering system located on the two sides of the cabin, allowing easy access for inspection, as well as a filtering roof inside the booth.

1 x 049671

READING BAR

Reading bar as an alternative to the side sensors; a full reading bar across the entire width to identify the spaces between side-by-side panels or any windows.

1 x 049672

**SPECIAL EXECUTION OF THE PAINT CIRCUITS FOR MANUAL
QUICK COLOR CHANGE**

Paint circuits in special execution with:

- 3 closed loop material feeding circuits (6 pipes) for 3 different colours or coating materials
- 1 open end circuit for cleaning agent
- 4 quick change connectors on 1/4" piping

PUMPS & GUNS

1-S 1 x 76212MINI3 4 AA GUNS + 3 H P PUMPS + 3 FL REGS + 2 RECIRC VLVS + 2 AGITS



FOR 3 CIRCUITS

- 2 of which require agitation and recirculation (usually a color and a stain)

- 1 for clears with standard manual L ported valve (without agitator, recirculates manually via the L ported valve)

Consisting of, in total:

- 4 air-assisted airless or airless guns complete, with 1 set nozzles (Kremlin AVX)

- 1 set spare nozzles in a different size

- connection piping for 3 circuit & solvent flush

- 3 high pressure pump, able to feed up simultaneously 4 spray guns, with air regulator, fluid filter, fluid pressure gage, and 5-gallon suction tube (Kremlin 20-50T)

- 3 fluid pressure regulators with gages, 1 for each 20-50T pump

- 2 recirculation valves, for 2 of the pumps

- 2 stainless steel agitator assemblies for 5-gallon pails, for 2 of the pumps

- 1 manual L ported valve, for 1 of the pumps

- 1 flush pump, 10-25 Kremlin, with 5-gallon pick up rod

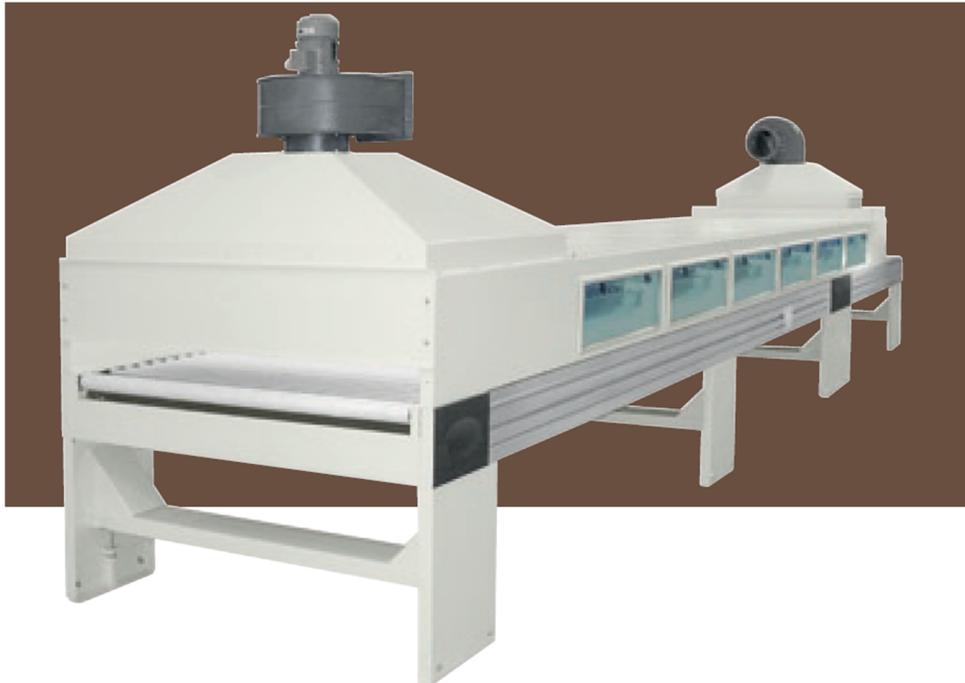
- 1 Superfici pump stand

- hoses, fittings, etc. for air and fluid

Total

2 1 x
UMIUMA75

LAMINAR DRYER 7.5M



CONSISTING OF:

1 x 2316 MODULAR UNIT UMA 1000/13
Modular unit UMA 1000/13, length 1000 mm, working width 1300 mm. Hood installed on support unit, complete with fan (air supply flowrate 3000: 6000 m³/h according to the length of the dryer), motor power 2,2 kW. Exhaust duct 300 mm longer than hood.

1 x 2317 AIR INLET UNIT UMI 1000/13
Air inlet unit, length 1000 mm, working width 1300 mm. Hood equipped with distribution plenum and blowing fan (air supply flowrate 3000 :6000 m³/h according to the length of the dryer) complete with filter, motor power 2,2 kW, electrical equipment and control cabinet.

1 x 2378 UMA HOOD COMPLIANT WITH ATEX DIRECTIVE
Machine executed according to the European norms, suitable to be used with solvent-based lacquers. The correct use of the machine allows to keep the area with risk of explosion (Zone 2) inside the machine. Machine to be positioned in a safe environment (not classified as an area with risk of explosion). Control cabinets have no explosion-proof devices and have to be placed in a safe environment. See below for further explanation.

1 x 2320 ELECTRICAL HEATING COIL
Electrical heating coil (non-Ex-proof execution) with electronic temperature adjustment, installed power 40 kW.

5.5 x 2371 COVERING
Covering for counterflow tunnels, width 1400 mm. Each 1000 mm length.

3 x 2373 SIDE WINDOWS
Side windows, dimensions 300 mm x 900 mm. 2 R, 1 L

1 x 1223 BELT CONVEYOR TYPE TT1 7500 MM



Conveyor length 7500 mm

This type of conveyor is specially used for handling workpieces in automatic lines.

Modular construction with aluminium extruded profiles.

Solvent-proof belt made of anti-slip fabric. The guided belt system allows a safe and quiet operation even at high speeds and with very short pieces.

Tension frame for belt adjustment.

Machine legs are adjustable in height to assure perfect levelling.

Feed speed adjustable by inverter.

Cee standard execution. Conveyor executed according to the European norms, to be positioned in a safe environment (not classified as an area with risk of explosion).

The machine cannot be located in a hazardous area (due to its motor drives), however, solvent borne materials can be dried inside the dryer as they are enclosed in the above.