

**SUPERFICI**

*elmag*

# TOP SPRAY 800



The Top Spray 800 automatic glue-spraying machine has been developed to meet the specific requirements of medium to high volume door manufacturers.

The design criteria used being ease of use, minimum down time, speed of production and consistent results.

The machine, if required, can be linked to Elmag's standard range of drying ovens or the customer's existing facilities.



## SPRAY CABIN

The single reciprocator, which runs on high precision guides, is configured so that all mechanical elements are mounted above the spray cabin.

This ensures that no contamination of mechanical parts takes place during operation.

A plenum chamber is also mounted above the cabin together with the pressurisation fan. Air is evenly distributed over the whole spray area through the filter ceiling.

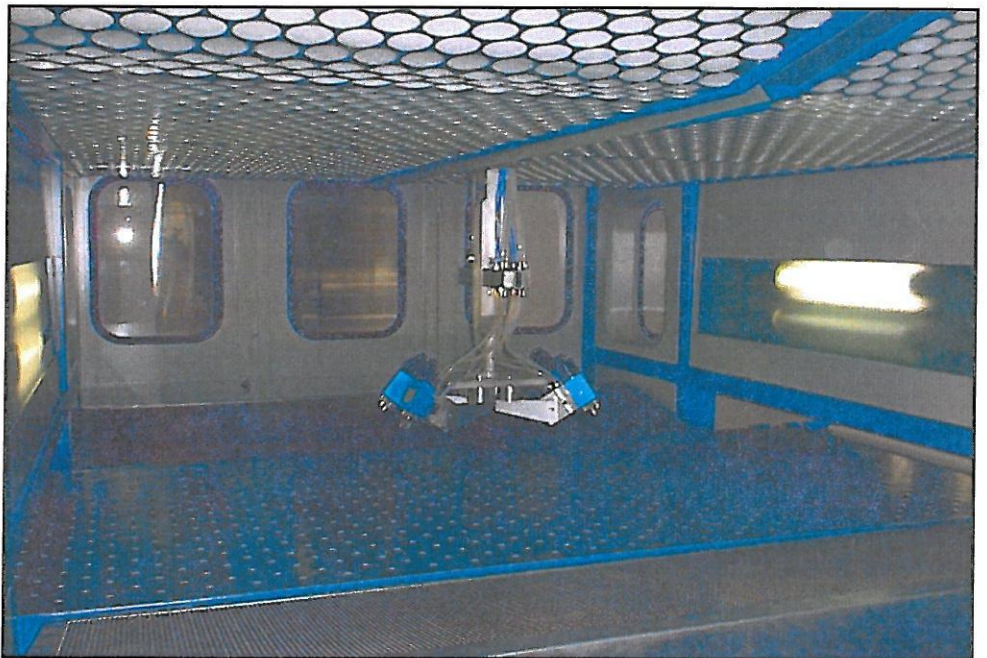
Extraction is via two steel filters mounted on either side of the conveyor. These collect the solid matter and are easily removable for cleaning, by pressure washer or hot water.

A second set of filters is supplied with the machine to ensure continuity of production.

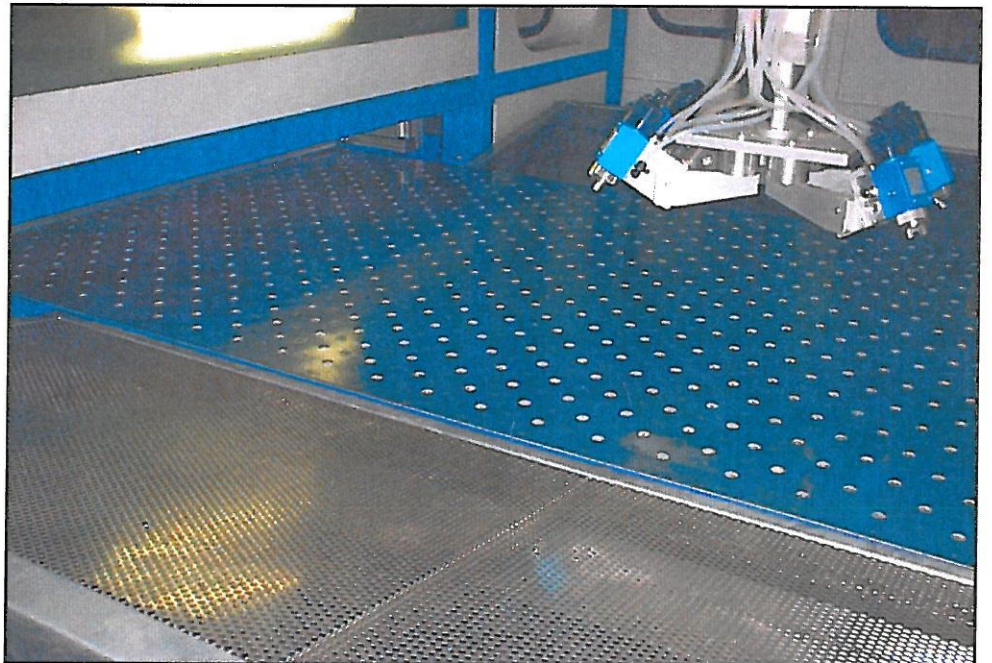
## GUN HOLDER

The carrier has been designed so that up to 5 guns can be mounted at any one time. The ability to individually adjust each gun for angle of attack, air pressure and fan pattern, will give an even film build and consistent results on even the most complex components.

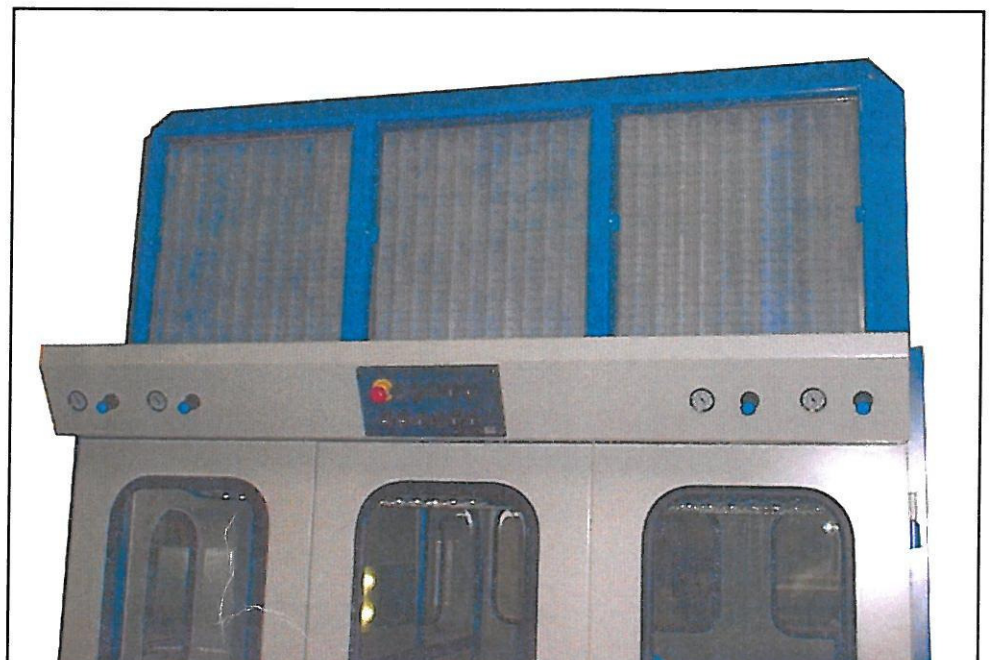
The machine has 3 fluid circuits installed giving total flexibility with minimum disruption to production.



Filter ceiling inside the spray cabin



Side steel filters



Pressurisation chamber



## CONVEYOR

To overcome the problems of many spraying machines, Elmag's unique system provides a simple solution to belt cleaning and overspray collection.

The standard rubber conveyor is protected by a paper roll, which is recoiled at the end of the spray area.

For easy disposal the roll is mounted on its own trolley, which is removed from the side of the machine.

The paper roll protects both the conveyor and the rear of the panel from contamination without resort to complex and expensive to maintain cleaning systems.

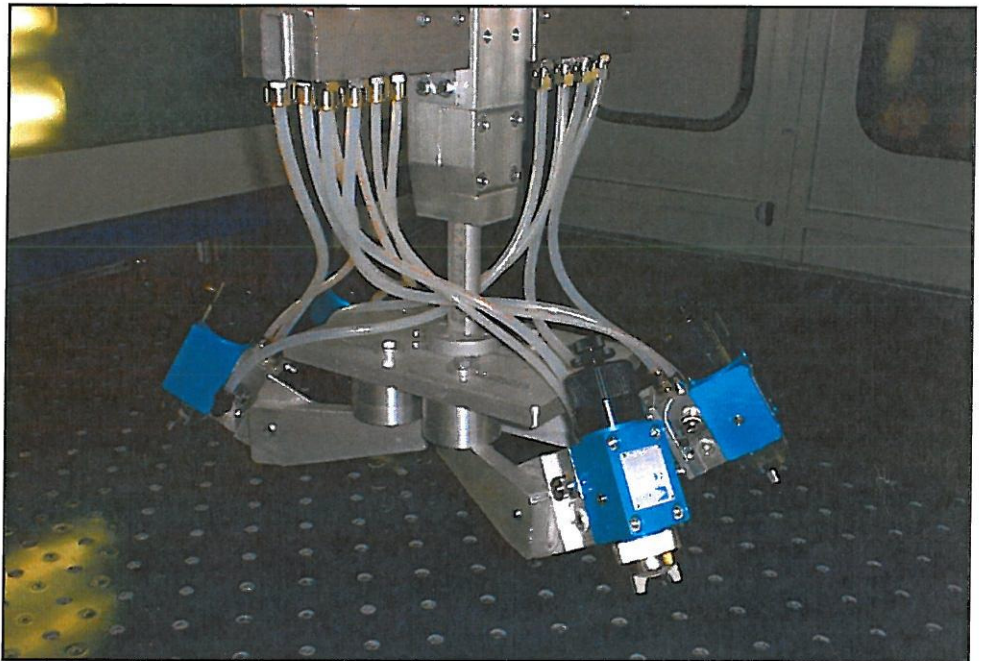
## GUN CONTROL

A simple to use PLC controls the spraying process via an adjustable infeed fence and a photocell, which identifies the presence of a component.

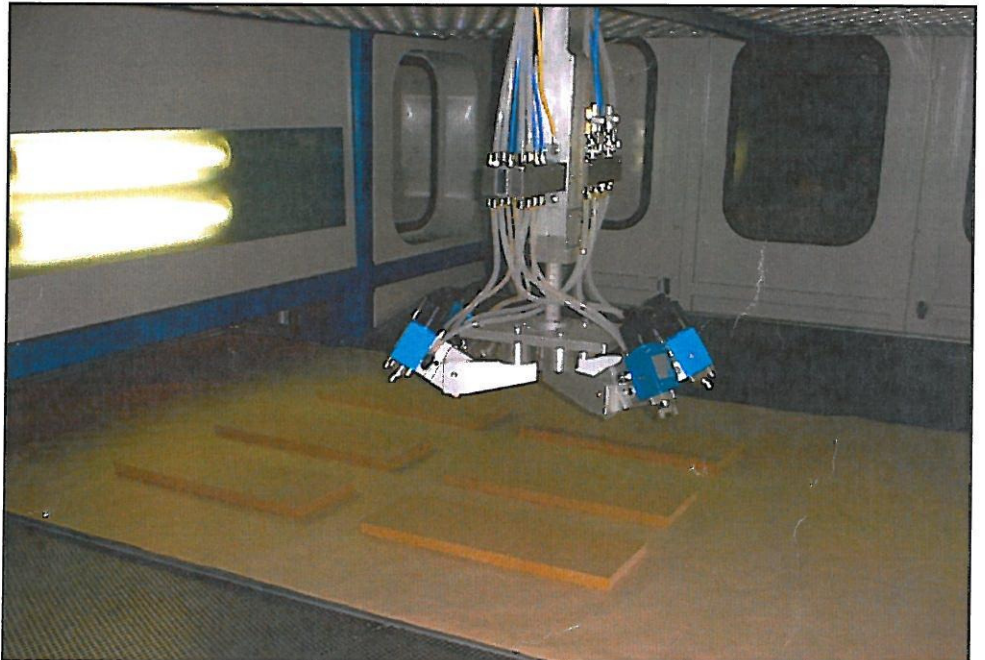
This enables quick and simple optimisation of the spray area, minimising overspray and maximising production time.

The main advantages of the Top Spray 800 can be defined as follows:

- Ease of Use
- Minimum Cleaning
- Cost effective
- Consistent results



Gun holder



Protection paper conveyor



Paper coil

## MAIN TECHNICAL DATA

Total machine length ..... 5.730 mm  
 Total machine width ..... 3.240 mm  
 Total machine height ..... 2.760 mm  
 Working width ..... 800 mm  
 Working height ..... 900 mm  
 Total installed power ..... 14 Kw  
 Infeed conveyor length ..... 2.000 mm  
 Infeed conveyor width ..... 800 mm  
 Infeed conveyor speed ..... 2 - 7 m/min

Spraying width ..... 800 mm  
 Reciprocator motor power ..... 3 Kw  
 Reciprocator cycles ..... 25 cycles/min  
 Reciprocator stroke ..... 1.200 mm  
 Cabin height ..... 2.760 mm  
 Cabin length ..... 5.460 mm  
 Cabin width ..... 3.240 mm  
 Air inlet ..... 8.000 m<sup>3</sup>/h  
 Air outlet ..... 10.000 m<sup>3</sup>/h

