



**acesories**

**SERVO DIE SPRAY UNIT**

# CHARACTERISTICS

## SERVO MOTORIZED DIE SPRAYERS

The new 450, 600 and 800 model sprayers offer features not included in normal pneumatic cylinder sprayers. These new sprayers, based on servomotors, enable a high level of automation as regards both programming intermediary stops and speed control.

This system enables you to programme up to four timed spray stops, specifying the measurement values and the length of the stop period, as well as the approach, spray, blowing and return speeds.

Furthermore, the system is compatible with the programmes used by pneumatic sprayers.

Another major advantage is the low maintenance of the system, which is built using components that have a long working life. Maintenance is only required on the head.

The new electrical sprayers can move forward at speeds of up to 2m/s with an accuracy of 1dmm and an acceleration of up to 1m/s<sup>2</sup>.

Normal acceleration parameters are 0.5m/s<sup>2</sup>, and the normal feed speed is 1m/s.

1. Three-phase servomotor which enables precise control over speed and position, with a pressure of +/- 0.2 mm and a maximum speed limit of 2m/s.
2. Valves with a large flow capacity for a perfect distribution of the demoulding liquid and even the elimination of mould burrs.
3. Linear units consisting of a hollow aluminium section which protects the toothed belt from splashes and entrapment. The mobile slide is adjusted by means of rollers which run along two roller guide rails. The slide requires no maintenance. The tension of the toothed belt can be adjusted by means of a simple screw.

The maximum linear speed permitted along the linear guide rail is 8m/s, although in practice, the speed is limited to 2m/s.

The sprayer also has mechanical and electrical limit switches for delimiting the ends of the slide travel.

4. Practical, simple and sturdy system for attaching the sprayer to the fixed plate, enabling it to be adjusted to each mould size and removed quickly when a changeover operation is required.
5. Membrane valve cutting system, along with blowing and spraying strips. The number of these guns is selected by customers themselves, and all are interchangeable within the same cutting unit.