

Sillem Twin Bed Reciprocating Automated Polishing Machine

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Stock No	PS992S
Manufacturer	Sillem
Model	EOLO 2T 1000 x 3000
Year of Manufacture	2003
Serial	032826
R.P.M.	1000 - 1300 rpm
Hp/Kw	2 x 22kW drive motors
Other Info	Mirror finishing machine
External Dimensions (WxDxH mm)	13510 x 3200 x 2100 mm

Description

The Sillem EOLO 2T 1000 x 3000 is a heavy duty moving head twin table buffing polishing machine for use on either sheet materials, extrusions, profiles, flat bar, hollow sections, or trim, etc.

This moving head design saves on floor space due to the head reciprocating over the whole required length rather than the traditional way with a table moving under a head that would require twice the floor area.

The machine is arranged with two 3000 x 1000 mm work holding tables, so the operator can be unloading or loading the station whilst the machine is working on the second to maximise the work throughput.

Each station has a photoelectric light guard that prevents and safeguards the operator at all times from ingress to the working station. The moving head is also equipped with soft edge detectors that prevent the movement of the head if a foreign body is detected.

Main features of this machine:

- Mobile machine body with twin polishing rolls
- Electrical control cabinet
- Operator control pendant with PLC interface programming display
- 22 KW main wheel drive motors
- 2 x Standard size work hold tables suitable for sheet or components up to 1000 mm wide and 3000 mm long. Fitted with vertical movement for wheel compensation.
- Auto wheel pressure regulation for consistent finishing.
- Variable feed speeds from 1 to 8 m/sec
- Buffing wheel diameters of 450mm
- Buffing wheel variable speed head oscillation unit
- Telescopic table separation guard
- Automatic liquid compo application system
- Titanic wheel changing fixture

The Sillem flatbed polishing systems were developed to provide a cost effective solution to the ever-increasing demands placed on polished components. This unique and highly flexible system offers the right solution for work that cannot be processed appropriately by robotic systems owing to their size or shape.

As in the case of many Sillem systems, this design is based on components installed separately, which bring benefits to the user with respect to system safety and modular construction. The machine can be readily adapted to various components easily and will guarantee economic operation over a period of many years.

The system is very simple to set up and operate and can be quickly reconfigured for varying types of work, so that the increasing demands of "Just-in time production" can be handled without any problems. The user-friendly operator control system as well as a wide range of machine fixture options, means optimal processing results, within the ROBOCELL will always be achieved.

The Sillem flatbed polishing systems have been designed as a modular system. They provide a cost-effective alternative for the processing of mostly straight or slightly bent work-pieces such as profiles, pipes, interior work-pieces and much more. Depending on the variant, processing lengths beyond 6m can be achieved effortlessly by combining both fixture tables as a single work platform.

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Machine Datasheet



Technical specifications:

- Installed power 50 KW
- Nominal current 45 amps
- Polishing wheel diameter 450 mm
- Integrated, motor-operated oscillatory movement 0-70 mm, continuously variable in stroke and speed
- Optional servo motor oscillation freely programmable via the plant controller unit

The system was originally designed and employed for polishing of aluminium profiles in the production of shower enclosures for a world renown shower manufacturer.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.