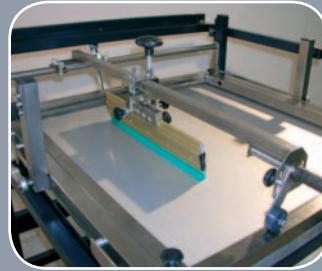
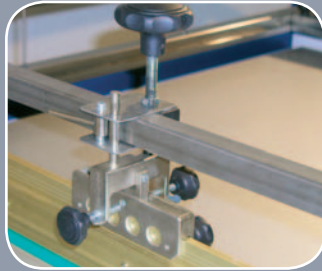
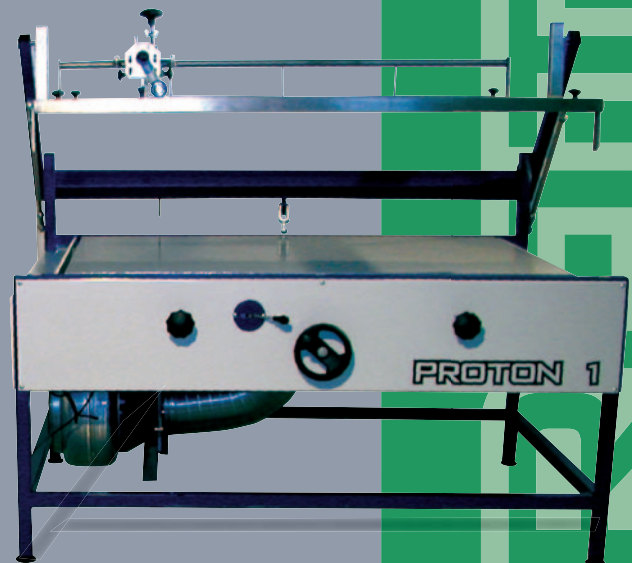


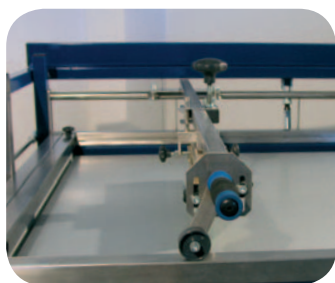
Screen-Printing Tables
PROTON



**PROTON Manual
Screen-Printing Tables**



Screen-Printing Tables



The **PROTON** series of manually operated screen-printing tables are equipped with pneumatically controlled parallel screen lift and a squeegee operated in a single movement. The three models produced, **PROTON Mini**, **PROTON 1** and **PROTON 2**, provide a prescribed choice of print sizes.

The Mini is the latest addition to the **PROTON** family. Although the smallest model, it includes pneumatic control and parallel horizontal screen lift. Its maximum print size is 700 mm × 700 mm. It allows a B2 format to be printed in both portrait and landscape mode. Continuously adjustable substrate thicknesses up to 20mm can be accommodated.

The larger **PROTON 1 & 2** models have a maximum print size of 1070 mm × 760 mm and 1250 mm × 880 mm, respectively. These machines are designed to accept a continuously adjustable substrate up to 50 mm, including such materials as: plastic bags, chipboard and small boxes.

All **PROTON** tables have a hard-ground aluminium printing bed with automatic vacuum assistance. Precise registration is maintained by three micrometer screws in x and y coordinates. The printing frame is secured in stainless steel housing by four clamps. Two detachable bars facilitate variations in print frame dimensions. The off-contact distance between screen and table surface is adjusted by a wheel at the front of the machine. Additionally, the unobstructed sides of the printing table permit the introduction of long, narrow formats such as belts or banners.

The mounted screen is controlled pneumatically by the front lever and is held in the printing position by back-pressure. The

squeegee's printing and flooding tolerances can be adjusted by the swivel on top of the carriage. The squeegee angle can also be altered. The squeegee carriage is mounted on the housing frame to facilitate large format printing.

All three models are equipped with a built-in low-pressure vacuum pump and a full size standard FIMOR squeegee for maximum print sizes. However, squeegees of varying size and hardness can be supplied on request, and the carriage can be adapted for this purpose.

The **PROTON** table is designed especially for short runs and medium-sized screen-printing workshops. In its field, **PROTON** represents the cutting edge of precision industrial and graphic hand-operated screen-printing. Due to its accuracy, simplicity, functionalism and user-friendly qualities, **PROTON**'s exceptional versatility enables it to print on paper, self-adhesive foils, cardboards, rigid polystyrene and PVC boards, plastic bags, organic glass, metal sheets, transfer matrixes for textiles, switch membranes, labels, chipboards, etc.

The highest technical and quality control standards are applied to **PROTON** products under the supervision of Quality Management System ISO 9001:2000. The flair of many experienced designers and the expertise of numerous printers has been incorporated into the PROTON table which now bears CE certification. **PROTON** is supplied complete with full technical documentation and a 12 month warranty. All servicing and maintenance is undertaken promptly.

Technical data	PROTON 1	PROTON 2	PROTON mini
Printing size	760 × 1070 mm	860 × 1250 mm	500 × 700 mm
Printing bed size	1000 × 1400 mm	1200 × 1700 mm	1000 × 1000 mm
Max. frame size	1050 × 1520 mm	1250 × 1750 mm	870 × 870 mm
Max. substrate thickness	0–60 mm	0–60 mm	0–20 mm
SMC pneu. comp.: operating pressure	6 bar	6 bar	6 bar
max. pressure	10 bar	10 bar	10 bar
vacuum pump input	320 W	320 W	180 W
Dimensions: width	1900 mm	2200 mm	1250 mm
length open/closed	1900/1500 mm	2100/1700 mm	1350 mm
height open/closed	1800/1300 mm	1800/1300 mm	1500/1200 mm
printing bed height	860 mm	860 mm	850 mm
Weight	170 kg	280 kg	110 kg
Main electrical connection	1 N PE 230 V, 50 Hz, 10–16 A	1 N PE 230 V, 50 Hz, 10–16 A	1 N PE 230 V, 50 Hz, 10–16 A
Accessories	760 mm squeegee, 4 clamps	880 mm squeegee, 4 clamps	500 mm squeegee, 4 clamps

Do not hesitate to contact our technical department when we will be delighted to arrange a demonstration of screen-printing at its most sophisticated.