



MASCOPRINT

DEVELOPMENTS LTD

SCREEN & PAD PRINTING EQUIPMENT AND SUPPLIES

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TG 60

SMALL COMPONENT PAD PRINTING MACHINE

Tampograf of Italy have been established since 1968 and are now firmly regarded as one of Europe's leading designers, innovators and manufacturers of pad printing machinery. The ethos of the company is to build machines that are inexpensive to purchase, simple to operate, reliable to use and constantly at the forefront of pad printing technology.

The **TG 60** model is an electro-pneumatic machine, designed specifically for high speed printing as part of an automated printing line. This small compact machine will print text and logos onto any flat, raised or contoured surface up to a maximum area of 50mm in diameter.

All Tampograf Pad Printing machines utilise a state of the art closed cup system with a patented reversible ceramic doctoring ring. The main advantage of the closed cup system is that the ink and thinners mixture is contained within the upturned cup, maintaining the ink at the correct printing viscosity for longer periods with minimum solvent evaporation and odour.

The cliché plates used can be either high quality photopolymer or thin band steel. Cliché plates are secured on the machine using punched location holes and lockable pins. The complete cup and cliché plate can be introduced or removed from the machine in a matter of minutes enabling a quick change over from one job to another.

Silicone pads are widely available in various shapes and shore hardness to suit the size of the artwork to be reproduced and equally importantly the design and contours of the component to be printed.

The silicone printing pads are fitted to the machine via a quick release pad holder, connected to an air regulated pneumatic cylinder. This cylinder controls the pressure of the pad as it collects the image from the cliché plate and reproduces it onto the printed substrate. This method of operation is quite unique as it allows the pad to print below the level of the cliché plate giving more space to load larger components.



FEATURES

- High speed electro-pneumatic operation
- Single or automatic cycle
- Advanced closed cup system with patented reversible ceramic ring.
- Independent setting controls for all machine movements.
- Quick release fittings for ease of set up and changeover.
- Open aspect to allow larger components to fit under the cliché plate.
- Pin registered cliché plate for accurate alignment.
- Independently tested and fully CE certified.

TECHNICAL DATA

Speed:	Maximum machine speed 3600 cycles per hour.
Ink-cup:	Size 60mm (outside diameter).
Print area:	Absolute maximum printable area 55mm Ø (diameter).
Cliché plate:	Thin band steel or photo-polymer 70mm x 140mm with 2 punched location holes.
Pad fixing:	Pad screwed to pad holder with screwed release attachment to cylinder.
Operation:	Single cycle via push button or switchable to continuous cycle.
Pad stroke:	Variable pressure downward motion up to a maximum depth of 80mm self-adjusting.
Pad force:	Maximum pressure 300 Newton.
Air Supply:	Requires maintained compressed air supply at 60psi (4kg/cm ²)
Dimensions:	100mm x 585mm x 342mm.



Screen Printing Association



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