

# MASCOPRINT

DEVELOPMENTS LTD

SCREEN & PAD PRINTING EQUIPMENT AND SUPPLIES

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## TG 150 NT - 1 COLOUR MEDIUM TO LARGE 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 **TG150 model** is a single colour large format electro-pneumatic, semi-automatic machine, ideally suited to printing text and logos over a potential surface area of 600mm x 175mm. This machine utilises a patented transversal ink cup movement and is available with optional ink cup sizes up to a maximum of 180 mm 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. Pad alignment is all on a potted magnet system and is simply a matter of twisting and sliding the pad into position.

### FEATURES

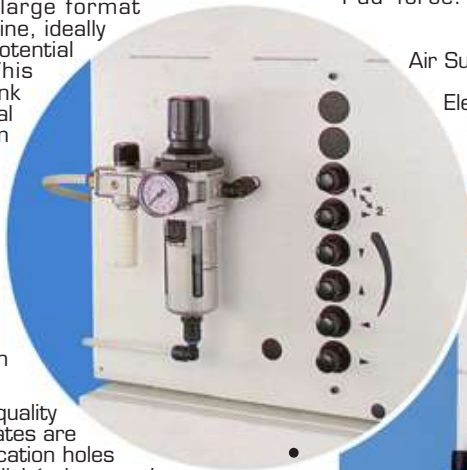
- Electro - pneumatic operation.
- Single or automatic cycle.
- Advanced Closed Cup system with patented reversible ceramic ring.
- Independent setting controls for all machine movements.
- Step by step control for machine set up.
- Quick release fittings for ease of set up and changeover.
- Open aspect to allow larger components to fit under the cliché plate.
- Pin registered cliché plate for accurate alignment.
- X,Y,Z table with height adjustment.
- Independently tested and fully CE certified.

### TECHNICAL DATA

Speed: Maximum machine speed 900 cycles per hour in automatic setting.

Ink-cup: Various sizes up to a maximum 180mm Ø (diameter).  
Print area: Absolute maximum printable area 600mm x 175mm  
Cliché plate: Various sizes up to a maximum of 850mm x 250mm in thin band steel or high quality photo-polymer.

Pad fixing: Pad screwed to pad holder with quick release attachment to cylinder. Magnetic X,Y,Z adjustment.  
Operation: Single cycle via foot pedal, push button, or switchable to continuous cycle with pad isolation if required.  
Pad stroke: Variable pressure downward motion  
Pad force: 3600 Newton of pad pressure as standard, although machines can be supplied with up to 5500 Newton of pad pressure.  
Air Supply: Requires maintained compressed air supply at 7 BAR.  
Electric: Requires 220v, 50Hz supply.  
Dimensions: Overall machine dimensions 1000mm x 1200mm x 1900mm



Screen Printing Association



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