MASCOPRINT
DEVELOPMENTS LTD

SCREEN & PAD PRINTING EQUIPMENT AND SUPPLIES

TEL +44 (0) 1582 791190
FAX +44 (0) 1582 791199
EMAIL info@mascoprint.co.uk
WEBSITE www.mascoprint.co.uk
STAGS END COTTAGE BARN,GADDESDEN ROW,
HEMEL HEMPSTEAD, HERTS, HP2 6HN, ENGLAND

TG 30 - N2

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 30 N2** model is a fully pneumatic, bench mounted, semi-automatic machine, ideally suited to printing text and logos not exceeding an area of 55mm in diameter in two colours onto flat, curved, raised or recessed areas.

The printed component must first be fitted into a suitable tooling fixture attached to a pneumatic shuttle table. During the print cycle it is the shuttle table that transports the component from the first print position to the second. The shuttle table is in turn attached to a fully adjustable table to enable critical alignment.

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.

Silicon 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 silicon 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

- Fully pneumatic in operation.
- Selectable 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 change over.
- 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 1000 cycles per hour in automatic setting.
Ink-cup:	Size 60mm Ø (diameter)
Print Area:	Absolute maximum printable area 55mm Ø (diameter)
Cliché plate:	Thin band steel or high quality polymer 186mm x 200mm with 2 punched location holes.
Pad fixing:	Pad screwed to pad holder with quick release attachment to cylinder. Magnetic X,Y,Z adjustment.
Operation:	Single cycle operation via push button or switchable to continuous cycle with pad isolation if required.
Pad stroke:	Variable pressure downward motion up to a maximum depth of 55mm self-adjusting.
Print reach:	100mm pad travel from cliché plate to component.
Pad force:	Maximum pad pressure 400 Newtons.
Air Supply:	Requires maintained compressed air supply at 60 p.s.i (4kg/cm^2)
Dimensions:	Overall machine dimensions 240mm x 550mm x 700mm.

SPA
Screen Printing Association

INVESTOR IN PEOPLE