

LOGICA MIMICRO

Numerically controlled pad printing machine for either one or two colours print.

Fully electrical operation.

Perfect for the approach to the pad printing process in an economic way or for who wants to realize a flexible system for multicolour printing with high mechanical cadence.

CHARACTERISTICS

- All the mechanical movements are motorized via numerical control, guarantee high precision providing complete flexibility of operation and simplicity without compromise.
- Its exclusive electric operation presents a considerable advantage compared to an equivalent pneumatic machine.
- Manufactured from light alloy and special steel.
- Eco-friendly. Due to its available hermetic ink system preventing solvent evaporation.
- Automatic programmable pad cleaning device (optional).
- Independent adjustment of speeds to each of the six strokes, ability to memorize the pad vertical strokes, six diverse temporizations of the most important phases of the printing cycle.
- Fully interchangeable between the two systems (linking/blade cliché) hermetic and open.
- Changeover time in less than 1 minute, thanks to the consideration given in the design concept to apply the most modern ergonomic principles to the system.
- Due to the mechanical design quality, a guaranteed smooth working function results in an extremely quiet action, thus allowing use in any environment.
- The manufacturing it was also conceived to guarantee a long life of working without maintenance.
- Its modular manufacture allows, with few accessories, the adaptability to numerous production needs.
- Countdown function and memorization up to 16 different work programs for easy set up.
- Ability to print on different surface levels of the same object, adjusting easily the stroke through the keyboard.
- Kit to convert into floor standing model (optional) allows trouble-free movements of the machine and permits the print onto large size objects.
- All adjustment functions can be carried out via the numeric keyboard with alphanumeric display.
- The height of the pad printing head can be independently adjusted from the part holder, based on the operator work position.



Logica MiMicro
2 colours (dia. 60 mm) with bench support,
pad shuttle system Mod. SE 76
and cross table Mod. TO 100

TECHNICAL DATA

- Operation:
electric with numerical control
- Printing force:
400 N (MiMicro)
700 N (MiMicro S)
- Maximum printing speed:
adjustable up to 3600 c/h* (MiMicro)
adjustable up to 5000 c/h* (MiMicro S)
- Number of colours:
1 - 2
- Maximum dia. ink cup:
70 mm
- Standard ink cup sizes:
up to 2 dia. 70 mm
- Vertical stroke:
85 mm
- Maximum pad height:
65 mm (57 mm with pad shuttle system)
- AC supply:
220/240 V - single phase - 50/60 Hz
- Average consumption and weight (basic model):
about 100 W - about 50 Kg

(*) The above mentioned printing speed is the max achievable and will reduce when the vertical pad stroke is increased or when delay times have been programmed into the cycle. The maximum printing speed also depends on the parts loading device.

LOGICA MIMICRO

SERIE LOGICA HIGHSPEED

Logica MiMicro is always supplied with the **bench support (Fig. 1)** and it can be fitted with one or two colours, either open or hermetic system. Both systems are easily and perfectly interchangeable.

Floor stand kit (Fig. 2) is necessary to set up the rotary table TRCN 02 or to allow trouble-free movements of the machine and permits the positioning of large size objects.

To use Logica MiMicro on automatic lines, a **kit for installation on automatic line (Fig. 3)** must be used.

This device, if positioned on **trolley bench of connection (Fig. 4)** allows to set up bigger rotary table (i.e. model TRCN 2.5, TRCN 03, TRCN 04).



Fig. 1



Fig. 2



Fig. 3



Fig. 4

OPTIONAL

Depending on the chosen equipment, various accessories for further simplify the printing process are available.

Cross tables



To obtain faster and more precise positioning on different axes of a single part holder.

Pad shuttle system



For simultaneous two colours printing on a stopped object; perfect even for printing on cylindrical surfaces.

Rotary tables



Suitable for multicolour printing or when high production cadence is required. They are utilized even to realize different production line works.

Automatic pad cleaning device



It can perform a pad cleaning cycle with programmable frequency.

Pre-treatment devices

(Flame and corona treatment).

Drying devices

(air, UV, infrared).

Pre-drying pad devices

Modular.

Remote keyboard kit

Hub kit

To be fixed in the centre of the rotary table for adding devices as automatic ejection, pre-treatment parts, etc.

Automatic ejection unit

To increase the productivity.

LOGICA MIMICRO S

SERIE LOGICA HIGH SPEED



Logica MiMicro S is the powered version of Logica MiMicro. It keeps all the standard technical characteristics, but with strength and printing speed improved.

PRINTING FORCE: about 700 N
PRINTING SPEED: up to 5.000 c/h.*

All MiMicro equipments and optional can be used on this version also.

(*) The above mentioned printing speed is the max achievable and will reduce when the vertical pad stroke is increased or when delay times have been programmed into the cycle. The maximum printing speed also depends on the parts loading device.

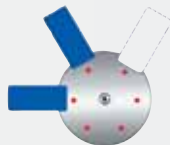
SYSTEMS



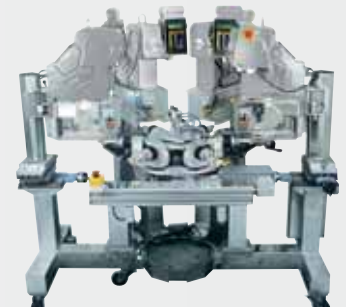
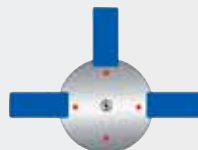
4 colours - TRCN02 - 12 p.



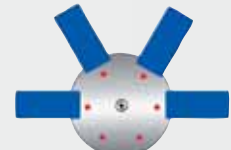
4 colours - TRCN04 - 6 p.



6 colours - TRCN03 - 4 p.



8 colours - TRCN04 - 6 p.



Thanks to the development of a range of 6 different models of numerically controlled rotary tables and other specifically accessories, Logica MiMicro can be transformed in a truly multicolour system for little and medium sized objects with a high mechanical cadence. Combining one or more MiMicro machines with a rotary table, it is possible to take all the advantages of these systems, either in terms of high productivity and in number of printing colours, thanks to a great operative flexibility, as for the illustrated examples.

INSTALLATION ON AUTOMATIC LINE



Logica MiMicro is the pad printing head perfect to be fitted on automatic lines.

Logica MiMicro is easy to be set on different angles for printing on inclined surfaces. This consent to realize dedicated solutions.



