LOGICA 08
Multi Format

Numerically controlled pad printing centre, for multicolour application, up to 10 colours, on different form and large size objects

Up to 8 axis easily programmable

Fully electrical operation

Available in 2 different configurations:
Aligned pads
LINEAR VERSION
Radial pads
DRUM VERSION

CHARACTERISTCS

- All the mechanical movements are motorized via numerical control and guarantee high precision providing complete flexibility of operation and simplicity without compromise.
- Image positioning +/- 0,01 mm
- Its exclusive electric operation presents a considerable advantage compared to pneumatic machines.
- Manufactured from light alloy and special steel.
- Automatic pad cleaning device (standard on DRUM VERSION).
- Possible working combination between open ink-wells and hermetic cup.
- Independent adjustment of speed to each of the six strokes; ability to memorize the different and most important phases of the printing cycle.
- Production changeover time reduced to less than one minute, thanks to the consideration given in the design concept to apply 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.
- Automatic drum changeover (on demand on DRUM VERSION).
- Ability to print under the printing plate, allowing decoration in every position on the large sized objects.
- All adjustment functions can be carried out via the numeric keyboard with alphanumeric display.
- Countdown function and memory different work programs for easy set up.
- CCD camera plus computer image processor fully integrated into machine for automatic printed part quality control (on demand).
- Ability to print on surfaces with different levels on the same object, adjusting easily the pad stroke through the keyboard.

CE

Designed and manufactured in compliance with machines European Standard

Logica 08 linear version, 10 colours with Rotary Table Mod. TRCN 03 and Indexer Mod. PRE 1370

TECHNICAL DATA

- Operation:
  electric with numerical control

- Printing force:
  30000 N

- Maximum printing speed:
  adjustable up to 700 c/h(*)

- Number of colours:
  1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10

- Maximum dia. ink cup:
  350 mm

- Standard ink cup sizes:
  up to 4 dia. 350 mm, or 7 dia. 160 mm, or 10 dia. 115 mm

- Vertical stroke:
  160 mm

- Maximum pad height:
  300 mm

- AC supply:
  380/400 V - triple phase - 50/60 Hz

- Average consumption and weight (basic model):
  from 3 to 4 KW - about 2000 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.

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SERIE LOGICA FLEXIBLE

LINEAR VERSION – ALIGNED PADS

All the pads are aligned on one bar. On this configuration is possible to use as parts conveying accessory either an Indexer (single fixture) or a Rectilinear conveyor (multiple fixtures). With indexer running it is possible to position additional controlled axes to make easier the graphic disposal in one sole cycle even on different sides of the object.

DRUM VERSION - RADIAL PADS

On this configuration pads are disposed radially up to 12 on a drum, to print on differently angled object surfaces.
The part can be also moved on further controlled axes to achieve the complete decoration process in one sole cycle.
Moreover, with this version the cliché wheelbase does not limit the object dimension.

APPLICATION

Thanks to its operating flexibility, LOGICA 08 Multiformat enables to solve manifold printing problems even when multicoloured prints on one or more sides of the object are required.

Typical applications:
- Front panels for dish washers, washing machines and stoves.
- High quality models (trains, cars,...)
- Generic injected plastic objects massively decorated where big pads, great printing force and rigidity are requested.

The output of the machine is considerable and it relates to the number of colours to be printed:
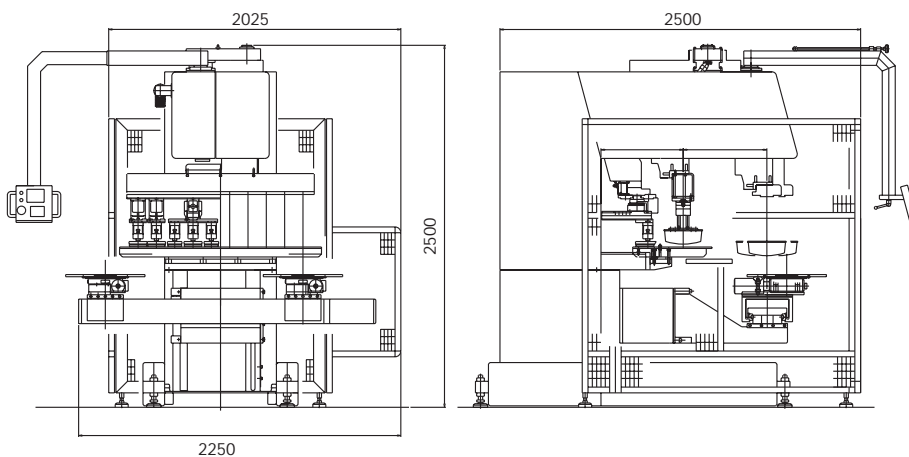
8 colours with conveyor about 700 pcs/h.

10 colours on different object sides with Indexer about 200 pcs/h.

12 colours on different object sides (just DRUM VERSION) about 120 pcs/h.

SIZE

2025

2500

2500

2250

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PER LA STAMPA SU OGGETTI