



**Printing International** N.V./S.A.



*Industrial  
Applications  
of Pad Printing*



## Process



*Printing International* was founded in 1974 by the current President, Mr Laurent De Volder.

### PAD PRINTING

Pad printing is an indirect way of printing by means of a silicon pad, which takes up the image from the printing plate and transfers it precisely onto the printable object. All shapes of objects can be printed.

#### STANDARD PAD PRINTING MACHINES (single or multicolour print)

- **Closed ink cartridge (*patented*)**
  - Environment-friendly inking, no solvent evaporation or odour spread.
  - Ink cartridge and printing plate quickly exchangeable, easily accessible and refillable.
  - Available for Ø 65, Ø 90, Ø 130, Ø 160, Ø 220 and Ø 350 mm.
  - Usable for solvent, UV and thermoplastic inks (*patented*).
- **Large image printer Mercury (*patented*)**
  - Available for large printing plate sizes.
  - Usable for solvent and UV inks.
  - Limited adjustment.

#### CUSTOM MADE MACHINES (OEM-PROJECTS)

- **Rotaprint**
  - Low budget, low flexibility, high capacity
- **Ringprint**
  - High flexibility, high capacity
- **Linoprint**
  - High flexibility, low capacity
- **Hecoprint**
  - Highest capacity, highest accuracy, largest image size

#### PAD PRINTING APPLICATIONS

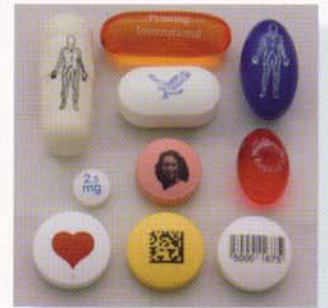
- **Plastics**
  - Ball printing machine (Atlas)
  - Cap/closure printing machine (RCP-T, RCP-C, LCP-T, Orion)
  - Profile printing machine (RPP)
- **Cosmetics**
- **Automotive**
- **Glass – Porcelain – Ceramics (GPC)**
  - Galaxy
  - Linoprint GPC
  - Platinum GPC
- **Pharmaceutics & medical device**
  - High definition printing machine (tablets, soft- & hard-gel capsules, caplets, etc.)
  - Medical device printing machine (syringes, catheters, laboratory equipment, etc.)
  - Built in accordance with FDA-regulations
  - cGMP-4 compliant and 21CFR, part11

**More information?**

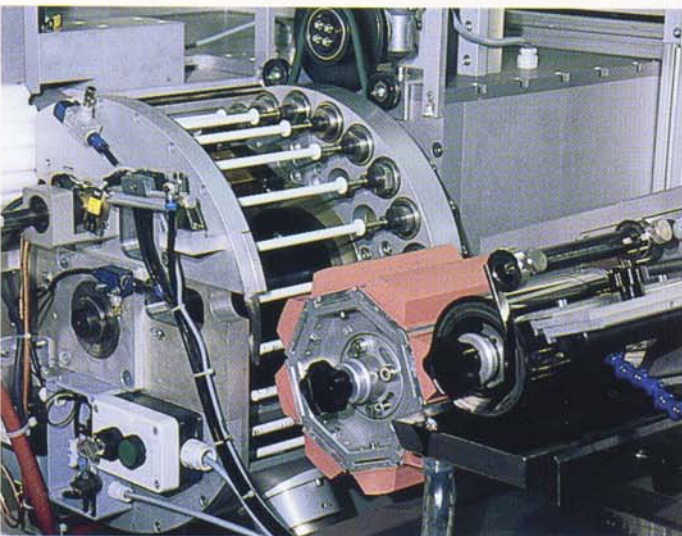
**[www.PrintingInternational.com](http://www.PrintingInternational.com)**



**High definition printing machine for pharmaceuticals**



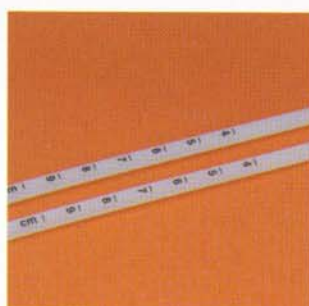
- Designed for one or double-sided printing in one or several colours.
- All shapes of tablets, soft- & hard-gel capsules and caplets can be printed.
- In function of tablet size and shape, the printing capacity is up to 400 000 pieces/hr.
- Built in accordance with FDA-regulations.
- cGMP-4 compliant and 21CFR, part11.
- Optional integrated camera inspection.
- Optional integrated individual rejection.
- Extensive validation documentation.

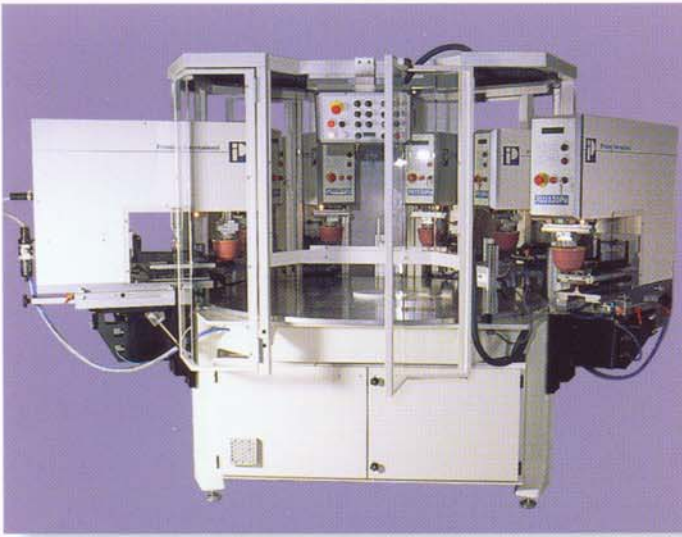


**Rotary printing machine for medical devices**



- Machinery to print on (prefilled) syringes, catheters, inhalers, drug delivery systems, infusion and transfusion sets, automatic injection devices, filters, pumps, bags and pouches,...
- Laboratory equipment, glass and plastic bottles, jars, vials, caps, closures, pipettes, burettes,...
- Built in accordance with FDA-regulations.
- cGMP-4 compliant and 21CFR, part11.





### Rotaprint

- Mechanical rotary table with up to 6 mounted standard pad printing machines.
- Ink cartridge Ø 65 mm up to Ø 160 mm.
- Open or closed ink systems.
- Product manipulations can be integrated.



### Ringprint

- Programmable rotary table with integrated pad printing modules.
- Suitable for multicolour decoration of objects where precision, quality, flexibility and output with adapted automation are required.



### Linoprint

- CNC pad printing machine with ink cartridge from Ø 65 mm up to Ø 350 mm.
- For multicolour decoration on preprogrammed locations.





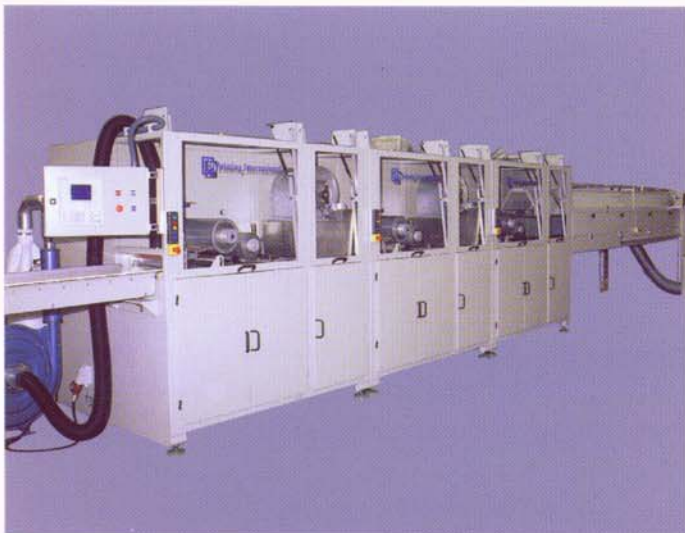
**Atlas ball printer  
(patented)**

- Hecoprint installation with intelligent controls.
- Designed for the decoration of balls up to 10" over 360°, expandable according to the required number of colours.
- Output depending on configuration: up to 900-1000 cycles/hour.



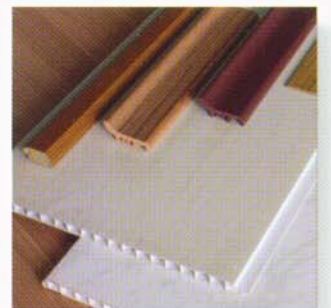
**Caps & closure printer**

- Caps & closure printer to decorate caps on top or circumference from one up to full colour.
- 4 different types: RCP-T, RCP-C, LCP-T, Orion.
- High capacity, high accuracy.



**Rotary profile printer  
(patented)**

- Multicolour decoration with any decor like wood or marble structure on 1, 2 or 3 sides simultaneously up to 400 mm width, with solvent ink, UV ink, water based ink; finishing with UV varnish.
- Suited for inside and outside use (10 year guarantee).



***We can print any decoration on any product you design !***



**Printing inks**  
Solvent and UV ink

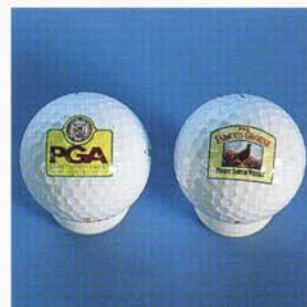


**Printing plates**  
Nylon, thin and thick steel  
printing plates



**Pads**  
More than 2500 different  
standard models  
Adapted silicone quality  
in accordance with  
the required use

Printing International offers you an extensive range of consumables such as printing inks, printing plates and pads. Use the well-founded and longstanding experience of our high-qualified printing lab team, they can advise you the most optimal consumables for all your pad printing applications.



*We add more than a print,  
we add value to your product !*



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