



PRINTING
INTERNATIONAL



Innovation



Machinery



Validation



Consumables



Service



PRINTING MACHINES - SOLUTIONS FOR



PHARMACEUTICALS



www.printinginternational.com

PRINTING SOLUTIONS

PRINTING

Water-based FDA approved inks

Pharmaceuticals products can be printed with **water-based FDA approved inks** in addition to our standard inks. Printing International provides specialized pad printing pads and pad printing plates, which makes it possible to achieve perfect printing results with these water-based inks.

We add value to your product

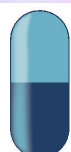
Printing onto pharmaceutical products is a **must for** identification, traceability and to strengthen your brand. So start exploring the printing possibilities to promote your product and prevent counterfeiting.

High quality print

With our technique of **indirect transfer printing** we **immobilise the product** under the printing head and therefore obtain a **very high quality print**.



Tablets



Hard Gels

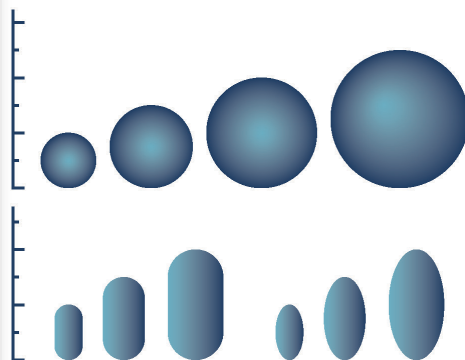


Soft Gels



Capsules

All oral dosages



All shapes & sizes

All oral dosages

We can supply you with the technology to print onto pharmaceutical tablets, soft gel capsules, hard gel capsules, freeze-dried tablets, etc...

Comply to the pharma environment standards



PHARMACEUTICAL MACHINES

AGATE S For manufacturing

Built for those who need to print big volumes of products with a high quality print. As a result of this, it excels in **productivity, usability and efficiency.**

- ➔ Produce high volumes constantly
- ➔ High quality & accurately positioned print
- ➔ Easy to operate & switch cycles
- ➔ Less waste & higher OEE
- ➔ Up to 400.000 printed pieces / hour
- ➔ Possibility to add a camera inspection system with individual rejection of products



Less waste



More uptime



Fast switch



Ergonomic design

AGATE LABO For research & development



Bringing you the best quality printing experience for small batches. Perfect for the launch of pilot projects or clinical batches where flexibility is key.

- ➔ Produce small volumes
- ➔ High quality & accurately positioned print
- ➔ Flexible (pre)-production capacity
- ➔ Up to 60.000 printed pieces / hour

FUNCTIONAL IMPROVEMENTS

HIGHER EFFICIENCY MACHINE

Evolved concept

- ➔ Integrated pad cleaning system
- ➔ Controlled solvent dosing for closed inkcups
- ➔ Updated safety cage for better accessibility

Resulting into:

- ➔ Higher machine performance level
- ➔ More constant print quality
- ➔ Faster and ergonomic machine access



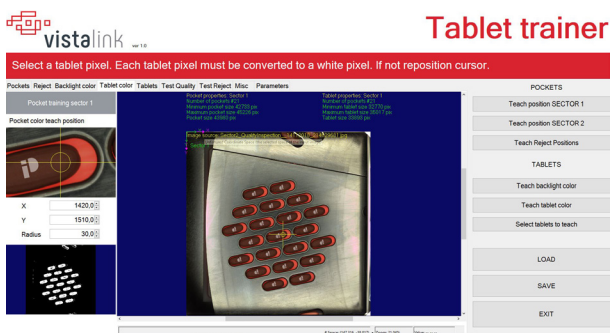
UPGRADED VISION INSPECTION

Tablet training wizard

- ➔ Teaching new formats with a step-by-step guide
- ➔ Teaching new images with a step-by-step guide
- ➔ Fine-tuning reject criteria parameters

Resulting into:

- ➔ Customer autonomy
- ➔ Faster diagnose in case of print quality issues
- ➔ Easy and quick setup inspection system



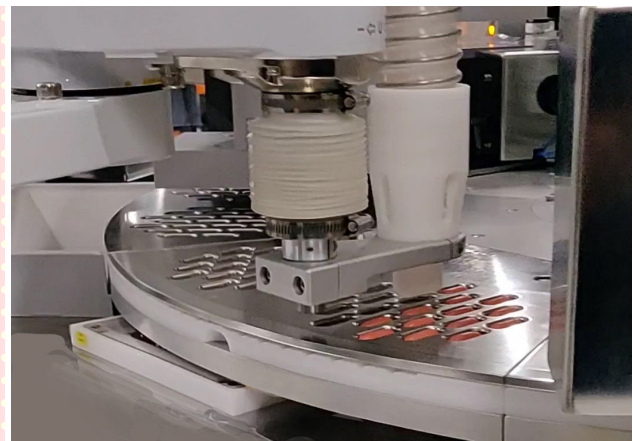
IMPROVED ROBUST REJECTION SYSTEM

Removal rejected tablets with robot

- ➔ Quick setup new format
- ➔ Easy change-over between formats
- ➔ Suction removal system for rejected tablets

Resulting into:

- ➔ Highly stable rejection system
- ➔ Rejected tablets isolated outside machine
- ➔ Dust-free separation good / rejected tablets



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