



ROTATEK
PRINTING AND PACKAGING TECHNOLOGIES S. L.

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OUR COMPANY



ROTATEK, founded in 1970, is a leading international manufacturer of printing and finishing machinery for the market of flexible packaging, folding carton, security printing, commercial printing, pharmaceutical leaflets, among others. Located in Barcelona, **ROTATEK** designs, manufactures, markets and provides technical service for all its machinery.

Since its inception, **ROTATEK** has made a clear commitment to technological innovation in its products to provide solutions that are more efficient, more productive and of higher value to the printer.

“

**LEADER IN THE
INDUSTRIAL
PRINTING SECTOR**

—

OUR COMPANY



KEYS TO SUCCESS:
RELIABILITY,
CUSTOMIZATION,
PROFITABILITY AND
MODULARITY OF OUR
EQUIPMENTS



ROTATEK offers a wide range of in-line finishing and printing machines: Combined semi-rotary / fully rotary offset, sleeve fully rotary offset, fully rotary offset combined with servomotors and in-line finishing machines.

The modular design of all **ROTATEK** machines offers the printer a large degree of product customization, combining multiple in-line printing finishing units. All kinds of materials can be printed and finished in a single pass.

ROTATEK follows a strict quality procedure, covering the purchase of raw material to the manufacturing, assembling and delivery of the final product. In 1996 we were awarded the ISO9001 Quality Standard, which since then has been successfully renewed on an annual basis to the present day.

Its team of highly qualified professionals and their passion for our product and service have enabled us to become a brand that is renowned worldwide.

There are over 1,700 **ROTATEK** presses installed in over 70 countries, this is the best endorsement of the quality of ROTATEK's products and services.

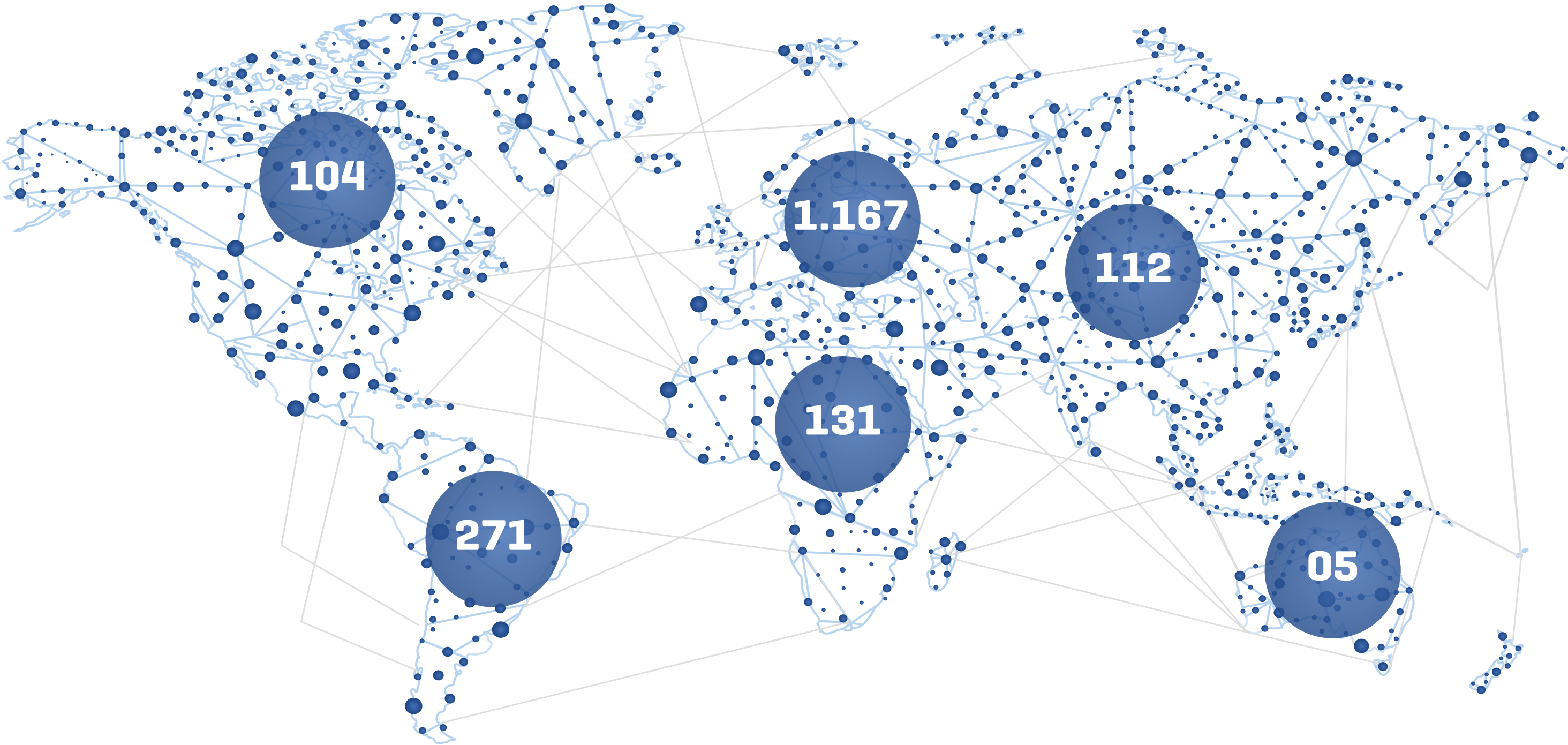
Rotatek's name is today synonymous with professionalism, innovation, technology and personalized service to the customer.



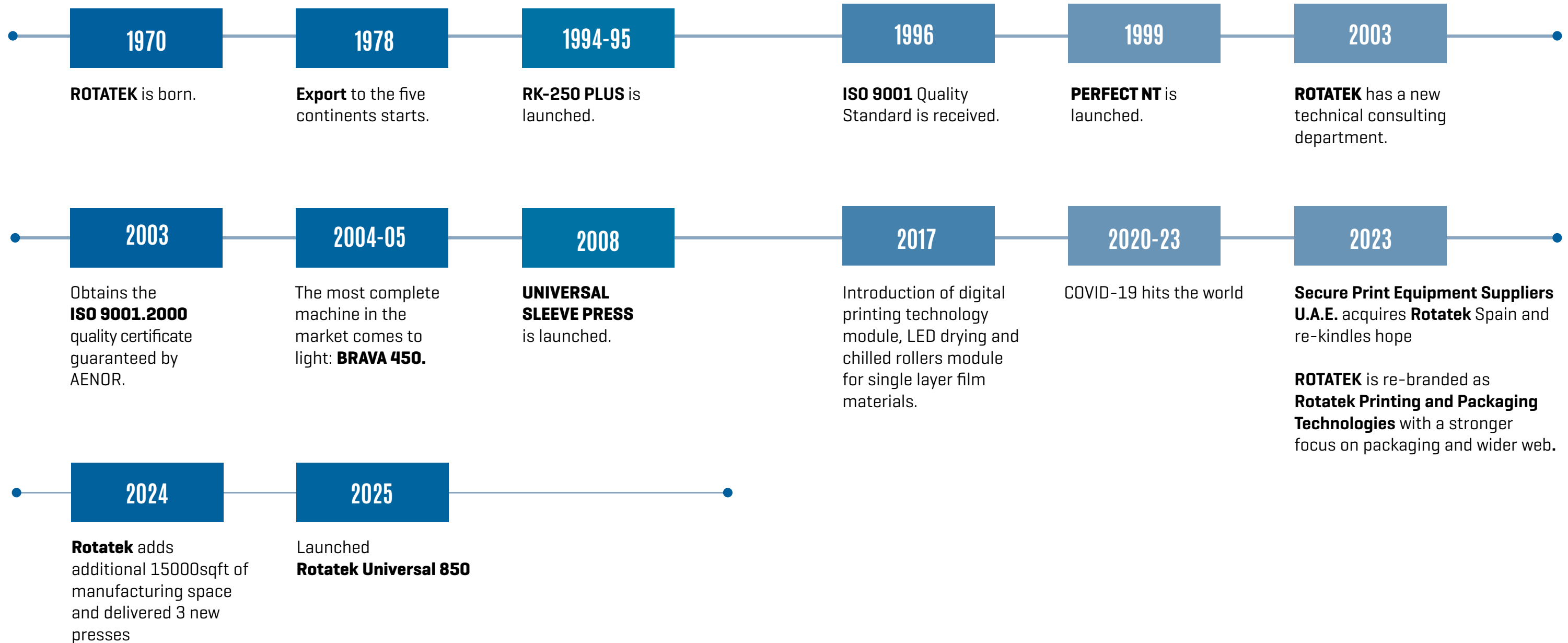
The company today is synonymous with professionalism and delivery, **its key to success is the customization of its machinery to the specific needs of each market**, all thanks to its vast product knowledge.

INTERNATIONAL PRESENCE

1800+ Worldwide machines



HISTORY



Applications

Markets



Self-adhesive labels

Heat shrink labels

Flexible packaging

Laminated tube



In-mould

Aluminum

Folding carton

Commercial Printing



Business forms

Pharmaceutical leaflets

Security



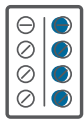
Wine sector



Non-alcoholic beverages



Spirits



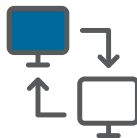
Pharmacy



Cosmetic



Personal care



Electronics



Food



Security



Logistic



Commercial printing

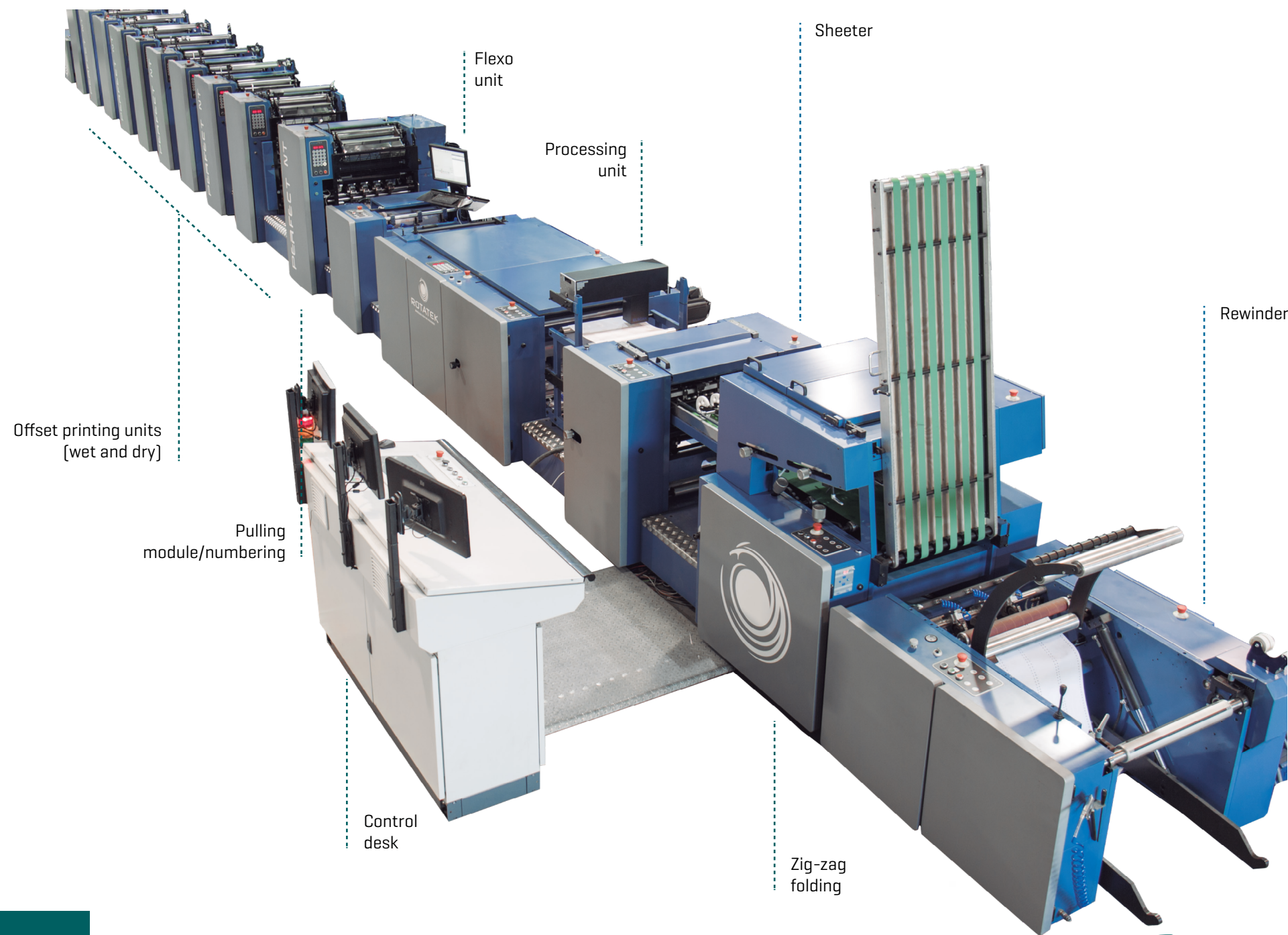


Transactional documents



The perfect reinvention

It incorporates the latest Shaftless technology in all its possible configuration modules, eliminating the cardan shaft transmission and gear boxes.
FULL ROTARY OFFSET PRESS WITH MODULAR CONFIGURATION ADAPTABLE TO CUSTOMER'S NEEDS.



PRINTING SUBSTRATES:
Paper from 40-250 gr/m ²
Aluminum
Film and self-adhesive paper
Folding carton
Thermal paper and carbonless
Films, BOPP, PET, PVC (minimum 15 microns)
Heat shrink labels, in-mould

SPEEDS



ROTARY

- Up to **350** m/min
- Sheet **200** m/min
- Zig-Zag **200** m/min

WIDTH



- Maximum printing width **508 mm**
- Minimum substrate width **150 mm**
- Maximum substrate width **520 mm**

Perfect NT

Rotary

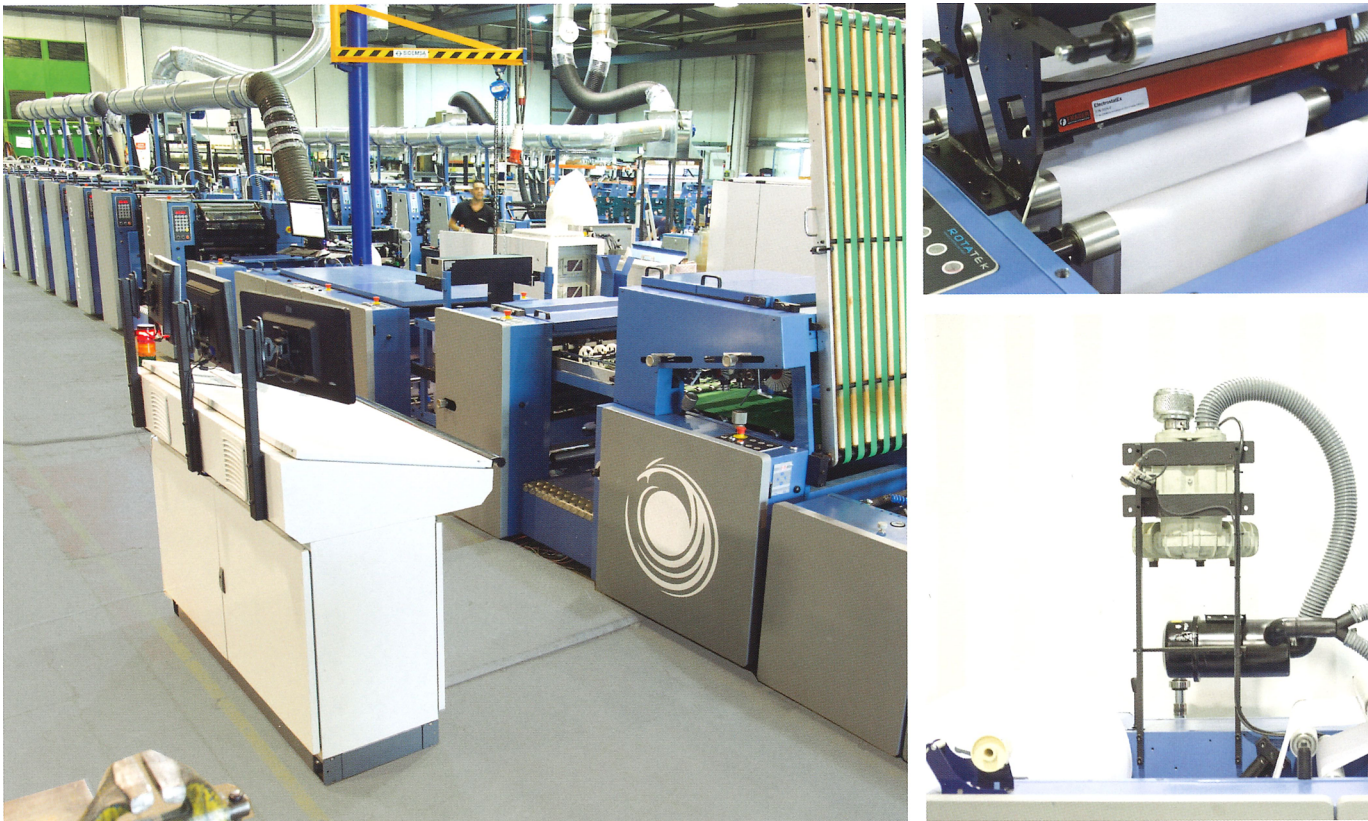
Robustness and efficiency

The **Perfect NT** is the most versatile rotary press in the market. The modular design and the shaftless technology allow multiple combinations in-line. This design has been developped mainly to match the requirements of the security printing industry and folding carton. In this respect, the improved and accurate tension control allow, together with the servo drives, to maintain a perfect register to reduce the paper wastage dramatically.

This technology allows individual control of the units for a very fast set up even with the most difficult substrates, and generate a constant and stable offset printing quality.

The **Perfect NT** has demonstrated proven records in the printing manufacture of numerous products which involve mix printing processes in the field of security for bonds, value documents, diplomas, tax labels, stamps, stamped paper, train, bus or airline tickets, museum shows and sports events tickets, cheques but also in the label industry for spirits, wines and liquors, pharmaceutical and cosmetic, and the packaging industry on different foils, aluminium, films and carton board..

These numerous different segments have opened a tremendous range of opportunities for the web offset shaftless technology in the world of printing.



ONLINE COMBINATIONS

Offset Units
Flexographic Units
Gravure Units
Screen Printing Units
Cold Stamping
Die cutting Units
Reprocessing
Automated Ink Control System
Automated Registration Control System
Video System

Total Inspection system 100%
Hot stamping
Inkjet printing of variable data
Non- stop unwinding and rewinding
Corona treatment
UV drying
EB curing
Hot air drying
Sheet outfeed
Zig zag outfeed

TECHNICAL SPECIFICATIONS

ROTARY SYSTEM

Printing formats 16" to 28"	Non-printing zone 3-4 mm with adhesive blankets 8 mm with non-adhesive blankets	Unwinding diameter 1.270 mm (700 kg)
Folding Formats 5 1/2" to 17"	Offset plate thickness 0'15 / 0'20 / 0'30 with mechanized locking	Shaft diameter 70 mm / 76 mm / 150 mm
Cutting Formats 6" to 28"	Blanket thickness 0'90 / 1'05 mm adhesive blanket	

APPLICATIONS



Labels
Folding carton
Security documents
In-mould

Pharmaceutical leaflets
Flexible packaging
Laminated tube

MARKETS

Pharmaceutical leaflets



Security



Transactional documents



Tickets



Logistic



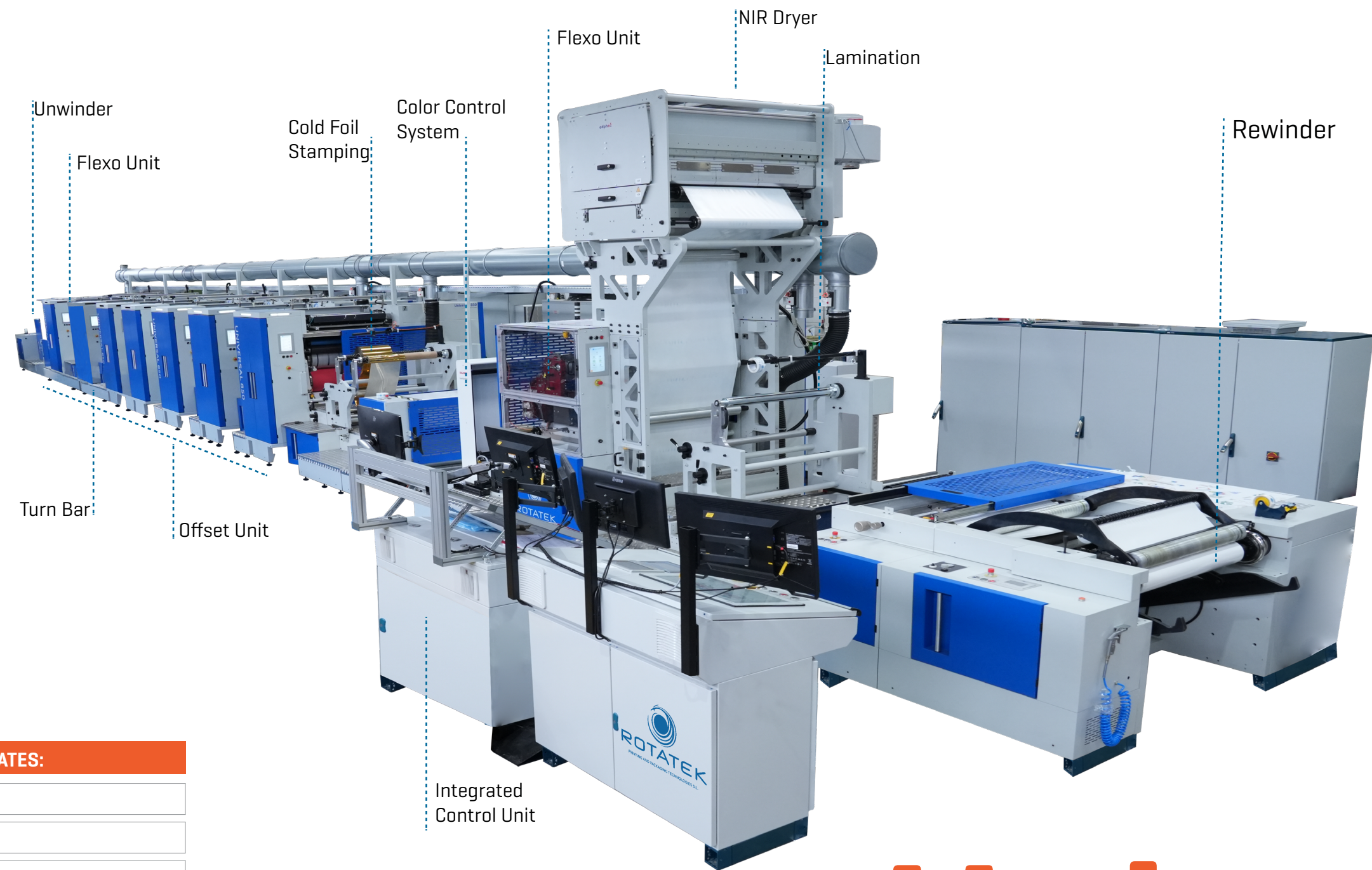
Commercial printing



**SPECIALLY DESIGNED FOR THE MOST DEMANDING
MARKETS OF BUSINESS FORMS PRINTING,
SAFETY AND FOLDING CARTONS**



Sleeve technology for high volume producers of IML, pharma leaflets, folding carton and flexible packaging.



SPEED



ROTARY

Up to **350** m/min
Roll to Roll

250 m/min
Roll to Sheet

WIDTH



Maximum
substrate width
**520 mm | 680 mm
870 mm**

Maximum
printing width
**500 mm | 660 mm
850 mm**

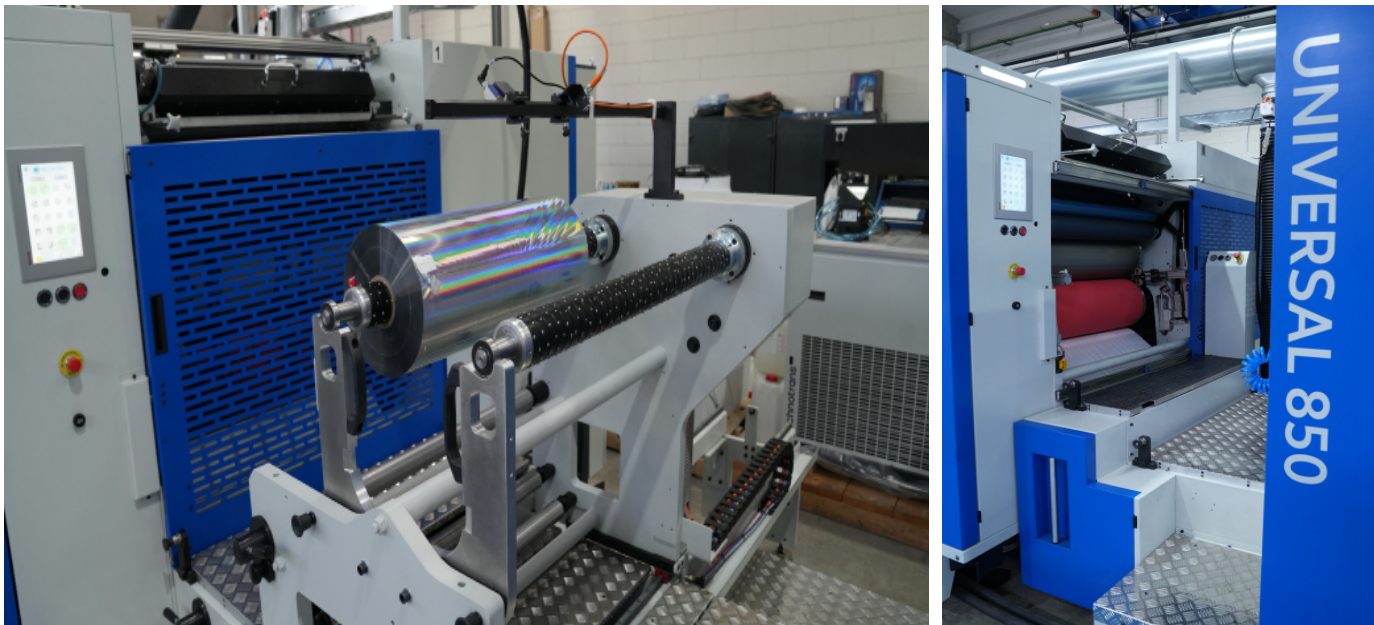
PRINTING SUBSTRATES:

Films
BOPP
PET
PVC [from 15 to 400 microns]
Heat shrinkable material
Self-adhesive paper [150 to 400gr/m2]
Aluminium
Paper [30 to 300 gr/m2]

Universal
520 | 680 | 850

New and improved platform

- 1. Introduction of a completely redesigned offset roller train, now featuring a 4th Ink form roller for enhanced printing capabilities.
- 2. Implementation of a new dampening design, engineered for simplicity and maximum effectiveness, optimized to operate seamlessly at higher speeds.
- 3. Integration of a new sleeve design, featuring a pneumatic locking system for easier installation and enhanced security.
- 4. Completion of a comprehensive rigidity study on modules and rollers, resulting in improved printing stability across the board.
- 5. Incorporation of a refrigerated ink fountain roller to facilitate superior ink temperature control and ensure uniformity throughout the roller train and stable ink viscosity.
- 6. Implementation of a fully adjustable oscillating ink rollers system, allowing for precise adjustment tailored to different ink types such as UV, LED, and grease.
- 7. Replacement of all drive systems with Rexroth servo motors, delivering heightened flexibility, precision, and stability in adjustment.
- 8. Enhancement of transversal register precision through an improved design, ensuring superior print alignment.
- 9. Redesigned for easier maintenance, with increased accessibility to components, facilitating upkeep tasks.
- 10. Provision of machine configurations catering to various substrates, offering different tension control systems and customized rollers to meet diverse customer requirements.
- 11. Availability of different equipment options including Automatic blanket washer, Automatic Ink supply, and Advanced sleeve handling, enabling customers to tailor their setup according to specific needs and preferences.



ONLINE COMBINATIONS

Flexographic units	Video system
Rotogravure units	Total inspection system 100%
Screen printing units	Hot stamping
Cold stamping	Inkjet printing of variable data
Die cutting units	Non-stop unwinding and rewinding
Reprocessing	Corona treatment
Automatic inking system	UV / EB / NIR hot air drying
Automatic register control system	Sheet outfeed

TECHNICAL SPECIFICATIONS

GENERAL SYSTEM

Printing formats
variable between 500 - 1000 mm

Shaft Diameter
70 mm, 76 mm, 150 mm

Unwinding diameter
maximum 1500 mm [maximum 800 kg]

Rewinding diameter
maximum 1500 mm [maximum 800 kg]

Sheet cutting
variable between 500 - 1000 mm

Plate thickness
0'2/0'28 mm

Blanket thickness
1'05 mm

APPLICATIONS

IML Label | Pharma Labels | Flexible packaging
Folding carton

Universal advantage vs sheet-fed for IML



MARKETS

Food



Pharmacy



Cosmetics



Alcoholic and Non alcoholic beverages



“ IT ALLOWS A LOT OF CONFIGURATIONS AND COMBINATIONS
IN PRINTING, PROCESSES AND FINISHINGS. ”





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Más de 70 países
Más de 1.700 instalaciones

