



ROTATEK
BARCELONA PRINTING MACHINERY

PERFECT NT

LEADING INNOVATION

PERFECT NT

THE HIGHEST PRODUCTION PRESS

ROTARY OFFSET PRINTING PRESS WITH
SHAFTLESS TECHNOLOGY

MODULAR CONFIGURATION ADAPTED TO
CUSTOMER NEEDS

MOST COST-EFFECTIVE PRINTING JOB COST EVER

SPECIALLY DESIGNED FOR THE MOST DEMANDING
SECURITY AND FOLDING CARTON MARKETS



SHAFTLES
OFFSET
TECHNOLOGY

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INTERCHANGEABLE PRINTING FORMATS

The printing units are equipped with interchangeable printing cassettes. The cassettes consist of the plate, the blanket and the printing cylinder. The format change is without tools. Offset plate change in less than one minute.

The cylinders are built with bearers so that we can keep the adequate pressure for the highest printing quality with the easiest size changing protocol.



COMBINATION PRESS

With the latest servo motor technology, the totally modular concept of the Perfect NT press allows multiple configurations and combinations of different printing technologies (offset, flexo for varnishes and spot security inks, screen for Braille and OVI inks, gravure for gold and silver inks, numbering...) and finishing applications (cold seal lamination, die cutting, perforation, sheeter...) to obtain a top quality finished product in a single pass.



ROTATEK IS A PIONEERING COMPANY IN THE MANUFACTURE OF PRINTING OFFSET PRESSES



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VERSATILITY

The Perfect NT press 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 developed 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.



PRODUCTS AND PRODUCTIVITY

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 shaftles technology in the world of printing.



VARIABLE REPEAT SERVO PRESS OFFSET & FLEXO FOR THE HIGH QUALITY PRINTING MARKET



CUSTOMER DEMAND PRESS CONFIGURATION

A pioneering company in the manufacture of offset printing presses

Founded in 1970, Rotatek is today a pioneering company in the manufacture of printing machines for the Label, Flexible Packaging, Security, Commercial Printing, Folding Carton industries.

The most outstanding feature that sets it apart is the constant innovation in combining the various in-line printing and processing/finishing Technologies, based always on the Wet offset printing processes.

In recent years it has been following a challenging strategic innovation program taking advantage of more than 45 years of history, to manufacture high performance presses for the top market segment providing added value for its customers.

The latest innovations have been focused on combining Offset with different technologies for printing on a wide range of substrates. The Revolutionary Perfect NT machine has been designed to satisfy the most demanding requirements of our customers:

Outstanding Offset Quality: Recognised worldwide as the highest quality printing process.

Cost: Offset Plates are much cheaper than Flexo (cliché) and Gravure (cylinder).

Technical specifications	
Max. speed	350 m/min
Max. width	520 mm
Max. print width	505 mm
Offset repeat	15" to 28"
Fold depth	5 1/2" to 17"
Sheet depth	6" to 28"
Non printing gap approx	3 mm
Offset plate thickness	0,15 / 0,20 / 0,30 with mechanical reel lock
Blanket plate thickness	0,90 / 1,05 mm adhesive blanket
Unwind diameter	1.270 mm (700kg)
Core diameter	70 mm / 76 mm / 150 mm

Multiples substrates	
Films, BOPP, PET, PVC (min 15 microns*)	
Aluminium	
Self adhesive paper; Self adhesive film	
Folding Carton	
Paper; thermal, carbonless	
Paper weight from 40 - 250 grms	
Shrink Sleeves, in-mould	

*(Please consult for options required and compatibility)

Optional units	
- Flexographic units	
- Rotogravure units	
- Screen units	
- Cold foil stamping	
- Die-cutting	
- Reprocessing	
- Automatic ink control system	
- Automatic register control system	
- Video system	
- 100% inspection system	
- Hot stamping	
- Laminating stations UV	
- Laminating stations hot air	
- Variable data inkjet	
- Non-stop rewind/unwind	
- Corona Treatment	
- UV dryer	
- EB dryer	
- Hot air dryer	
- Sheeter	
- Zigzag folder	
- Others...	

More than 70 countries
More than 1.700 installations worldwide

