ROTOCON



PRODUCT PROFILE

DISCLAIMER
Specifications are subject to change without notice and may vary depending on machine configuration and application. Please contact ROTOCON for the latest specifications.

ROTOCON

CUSTOMERS ALWAYS COME FIRST

Established in 2008, ROTOCON is a family-owned business led by Michael Aengenvoort and sons, Marco, Pascal and Patrick, who all completed their engineering studies in Europe and have cut their teeth and grown up in the labelling and narrow web industry. Collectively, the quartet has 88 years of hands-on experience and intimate knowledge of label printing and finishing machines, accessories, and consumables, enabling them to offer customers a tailor-made turnkey solution.

German engineering. Global performance.

ROTOCON combines German engineering expertise with a global manufacturing and sourcing network to deliver high-performance printing and finishing equipment to customers worldwide.

The company sources premium, best-in-class electronics, precision components, and machine parts from leading suppliers worldwide, while maintaining its German engineering identity through concept and customization design, assembly, integration, testing, and quality control in Germany. Produced under ROTOCON's German-led quality control standards, each machine is designed to deliver reliable performance, long-term durability, and consistent production quality.

As part of ROTOCON's continued growth strategy, the company has expanded its headquarters and demo center in Germany to further strengthen its assembly, testing, and customer support capabilities across Europe, the Americas, and Africa, with more than 2,200 m^2 of production space and a growing technical service team. ROTOCON continues to invest in advanced manufacturing processes, customer training, and product innovation to provide competitive, future-focused solutions for the global label and packaging industry.

ROTOCON is headquartered in Hamburg, Germany, with additional branches in South Africa and the USA, supported by a global distribution and service network.



ROTOCON

ROTOCON RFP S-SERIES FLEXO PRESS



Modular sleeve-based flexographic printing press with multi-servo precision, fast job changeovers and top-quality results. Speeds up to 200 m/min (656 fpm) and web widths of 350 mm (13.78"), 450 mm (17.72"), 530 mm (20.87") and 660 mm (25.98").

German engineering. Global performance.

The ROTOCON RFP multi-servo sleeve flexographic printing press is the ultimate solution for printers seeking exceptional print quality and maximum efficiency. Its modular, sleeve-based design and intuitive operation integrate cutting-edge technology to deliver seamless production and outstanding results.


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RFP 450

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ROTOCON RFP S-SERIES FLEXO PRESS



Fast job changeovers, minimal material waste, and upgradeable features make this press a sustainable, future-proof investment for the printing industry.

RFP Multi-Servo Sleeve – High-Quality Label Printing
The RFP multi-servo sleeve flexo press is our latest, cutting-edge machine, specifically designed to produce high-quality labels on a variety of materials.

Exceptional Versatility
Whether printing on film, aluminium, or paper, this machine delivers outstanding results across all substrates.



Efficient, Cost-Effective Design
Engineered for maximum efficiency, the RFP multi-servo sleeve press features a compact design and a short web path, significantly minimising material waste and ensuring a cost-effective production process.

Precision and Control
The RFP S version is equipped with a gear sleeve and fully servo-driven technology. Each printing unit is powered by a multi-servo drive system for precise control of the impression and anilox rollers. This setup ensures precise control over ink distribution, resulting in consistent prints while reducing ink waste.

ROTOCON

RFP S-SERIES FLEXO PRESS
350S • 450S • 530S • 660S



Die Cutting / Matrix Removal



Unwind Unit/ Roll Lift



Touch Screen



Multi-Servo Sleeve System



Delam-/Relam



Printing Sleeve

MAIN TECHNICAL PARAMETERS

RFP S-Series (Sleeve)	
Maximum Mechanical Speed	200 m/min (656 fpm)
Maximum Printing Width	340 mm (13.39"), 440 mm (17.32"), 520 mm (20.47"), 650 mm (25.59")
Maximum Web Width	350 mm (13.78"), 450 mm (17.72"), 530 mm (20.87"), 660 mm (25.98")
Unwind Diameter	1,050 mm (41.34")
Rewind Diameter	1,050 mm (41.34")
Print Repeat Range	254–635 mm (10–25")
Material Thickness	15–450 µm (0.59–17.72 mil)
Loading Method	Sleeve
Drying System	UV LED (others on request)
Power Supply	400 V, 50 Hz, 3P/N/PE
Turnbar (on rail system)	Optional
Delam-/Relam (on rail system)	Optional
Corona Treatment	Optional
Dust Removal (Web Cleaner)	Optional
BST Webguide	Optional
BST Monitor	Optional

Options

- Multiple flexo print stations
- Rotary screen printing
- Hot foil embossing
- Rotary die cutting unit
- Rotary embossing unit
- Cross-cutting unit
- Sheeter systems with a delivery unit
- Rail system available
- Cold foil
- Lamination
- Web-turn system
- Reverse-side printing
- Multi-layer and booklet labels
- Chiller systems for filmic materials
- ROTOCONNECT Service Module

FEATURES

Servo-Driven Precision
Independent servo motors ensure high accuracy and superior print quality

Modular Automation Design
Expandable with smart modules tailored to evolving production needs

High-Speed Efficiency
Up to 200 m/min (656 fpm) with minimal material waste and fast throughput.

Smart Control Interface
Intuitive touchscreen simplifies operation and job setup

Versatile Print Integration
Supports foil, lamination, rotary screen, and other enhancement units

Connected Support System
Includes ROTOCONNECT for remote service and performance monitoring

Scalable System Architecture
Easily expandable to match future production growth



Cold Foil / Register Lamination



Turnbar

ROTOCON RFP C-SERIES FLEXO PRESS



Modular cylinder-based flexographic printing press with multi-servo-driven precision, fast job changeovers, and top-quality results. Speeds up to 200 m/min (656 fpm) with web widths of 350 mm (13.78"), 450 mm (17.72"), and 530 mm (20.87").

German engineering. Global performance.

The ROTOCON RFP C Series multi-servo cylinder-based flexo press is engineered for high-quality label production across a wide range of materials. Whether printing on film, aluminium, or paper, it delivers exceptional versatility, consistent precision, and top-tier results.

Modularity Meets Flexibility
The RFP C Series sets a new standard for versatility. With its modular design, printers can strategically invest in performance-enhancing features tailored to their applications and budgets. Automation solutions and value-adding modules can be seamlessly integrated and activated at the touch of a button.



Maximum Productivity, Minimum Waste
In a highly competitive market, every second counts. That is why the RFP C Series is designed to enable fast job changes, efficient material usage and minimal waste. This ensures optimal cost-effectiveness and supports sustainable production.

Future-Proof for Your Needs
With the RFP C Series, you stay ahead of the curve today and into the future. The machine grows with your requirements and can be expanded at any time to help you seize new market opportunities. Boost your productivity, optimise your processes, and achieve the highest print quality.

ROTOCON

RFP C-SERIES FLEXO PRESS
350C • 450C • 530C



Die Cutting / Matrix Removal



Unwind Unit/ Roll Lift



Touch Screen



Multi-Servo Cylinder System



Delam-/Relam



Printing Cylinder with Gear

MAIN TECHNICAL PARAMETERS

ROTOCON RFP C-series (Cylinder)	
Maximum Mechanical Speed	200 m/min (656 fpm)
Maximum Printing Width	340 mm (13.39"), 440 mm (17.32"), 520 mm (20.47")
Maximum Web Width	350 mm (13.78"), 450 mm (17.72"), 530 mm (20.87")
Unwind Diameter	1,050 mm (41.34")
Rewind Diameter	1,050 mm (41.34")
Material Thickness	15–450 µm (0.59–17.72 mil)
Print Repeat Range	254–635 mm (10–25")
Loading Method	Cylinder
Drying System	UV LED (others on request)
Power Supply	400 V, 50 Hz, 3P/N/PE
Turnbar (on rail system)	Optional
Delam-/Relam (on rail system)	Optional
Corona Treatment	Optional
Dust Removal (Web Cleaner)	Optional
BST Webguide	Optional
BST Monitor	Optional

Options

- Multiple flexo print stations
- Rotary screen printing
- Hot foil embossing
- Rotary die cutting unit
- Rotary embossing unit
- Cross-cutting unit
- Sheeter systems with a delivery unit
- Rail system available
- Cold foil
- Lamination
- Web-turn system
- Reverse-side printing
- Multi-layer and booklet labels
- Chiller systems for filmic materials
- ROTOCONNECT Service Module

FEATURES

Versatile Material Compatibility
Suitable for printing on film, aluminium, and paper

Modular Automation Design
Expandable with smart modules tailored to evolving production needs

High-Quality Output
Engineered to deliver consistent, top-tier print results

Smart Control Interface
Intuitive touchscreen simplifies operation and job setup

Connected Support System
Includes ROTOCONNECT for remote service and performance monitoring

Precise Ink Control
Servo-driven technology ensures accurate ink distribution, helping maintain consistent print quality while reducing ink waste



Cold Foil / Register Lamination



Turnbar

ROTOCON

PRINTING & CONVERTING HYBRID SOLUTION



Experience the best of both worlds with the ROTOCON Hybrid Solution: flexo precision meets digital flexibility, delivering versatile, high-quality label printing in 350 mm (13. 78"), 450 mm (17. 72"), and 540 mm (21. 26") web widths.

ROTOCON Hybrid Solution – The Best of Both Worlds
The ROTOCON Hybrid Solution redefines flexibility and efficiency in label and packaging printing. By seamlessly integrating conventional flexo with state-of-the-art digital inkjet technology, this hybrid press offers unparalleled versatility to meet evolving market demands.

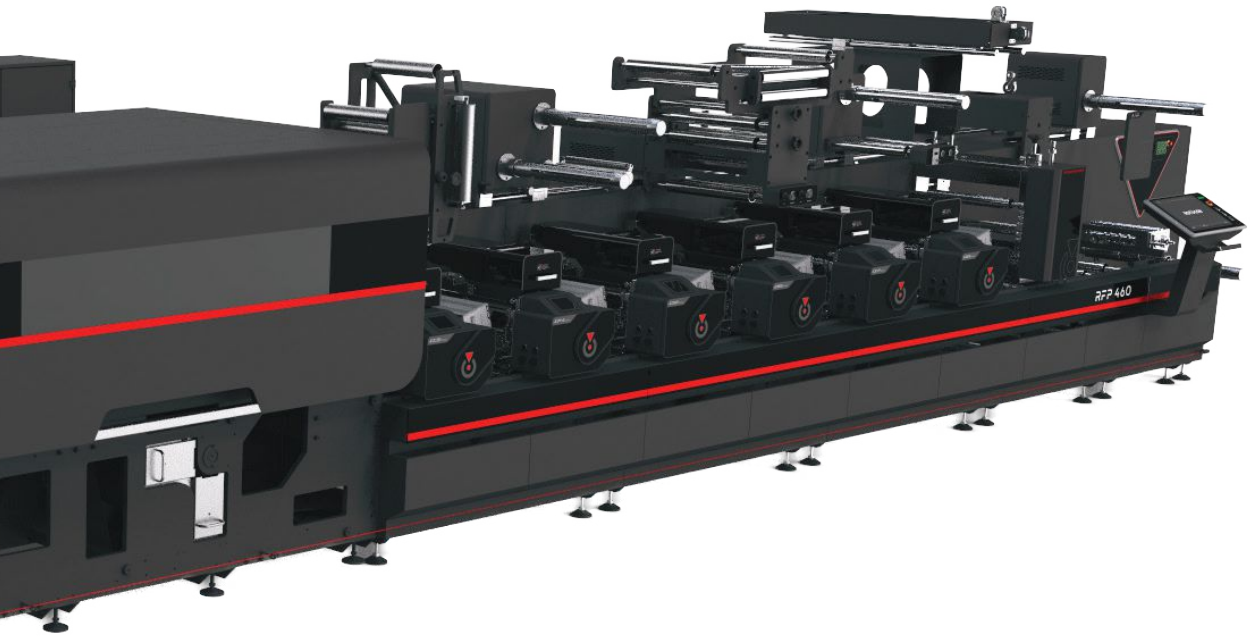
One Pass – Complete Production
With the Hybrid Solution, printing and converting happen in a single pass. This ensures greater efficiency, faster turnaround times, and reduced material waste—all while delivering exceptional print quality.

Digital Flexibility
The integrated digital inkjet unit (from industry suppliers such as Domino and SCREEN) enables short-run production, variable data printing, and rapid job changes, giving printers the agility they need in today's fast-paced industry.

Precision Flexo for PMS Colours & More
The multi-servo-driven flexo printing unit ensures colour accuracy and expanded creative possibilities for spot colours, high-opacity whites, and specialty applications.

Whether for short runs, personalised designs, or high-volume production, the ROTOCON Hybrid Solution combines the best of digital and flexo printing to maximise productivity and profitability.

Are you ready to take your printing capabilities to the next level? The ROTOCON Hybrid is your all-in-one solution.



ROTOCON

HYBRID SOLUTION



Die Cutting / Matrix Removal



Unwind Unit/ Web Guiding



HMI



The multi-servo-driven flexo printing unit



Delam-/Relam



Printing Sleeve

MAIN TECHNICAL PARAMETERS

RFP Hybrid Solution

Maximum Mechanical Speed	200 m/min (656 fpm)
Maximum Printing Width (Flexo):*	340 mm (13. 39"), 430 mm (16. 93"), 530 mm (20. 87")
Maximum Printing Width (Inkjet):	Dependent on supplier
Maximum Web Width (Flexo):*	350 mm (13. 78"), 450 mm (17. 72"), 540 mm (21. 26")
Maximum Unwind Diameter	1,050 mm (41.34")
Maximum Rewind Diameter	1,050 mm (41.34")
Print Material Thickness	15–450 µm (0.59–17.72 mil)
Print Repeat Range (Flexo):*	254–635 mm (10–25")
Loading Method	Sleeve or Cylinder
Dryer	UV LED (other options available)
Power Supply	400 V, 50 Hz, 3P/N/PE
Turnbar (On Rail System)	Standard
Delam-/Relam (On Rail System)	Standard
Corona Treatment	Standard
Dust Removal (Web Cleaner)	Standard
BST Webguide	Standard
BST monitor	Standard

*Flexo unit depends on machine type

FEATURES

Integrated flexo unit for PMS colors and specialty applications
Digital inkjet module for variable data and short runs
Single-pass printing and converting for maximum efficiency
Fully servo-driven for precision
Modular design for future upgrades
Standard finishing and converting options included
UV LED drying system



Cold Foil



Turnbar

ROTOCON

RDF DIGITAL PRINTED LABEL CONVERTING & FINISHING SYSTEM

The ROTOCON RDF Series is a robust digital converting and finishing system with multi-servo drive technology for premium label production. Combining semi-rotary and flatbed technologies, it delivers high-quality embellishments such as silk screening, hot and cold foil, embossing, multilayer labels, in-mould labelling, and precise die cutting.

RDF Compact

MAIN TECHNICAL PARAMETERS

Available web width: 350 mm (13.78")
Maximum speed: Up to 60 m/min (197 fpm) semi-rotary,
80 m/min (262 fpm) full-rotary
Registration Accuracy: ±0.15 mm (±0.006")
Unwinder: 800 mm (31.50")
UV with chill drum
Semi-rotary die cutting
Semi/full rotary flexo printing unit
Manual shear slitting
Lamination
Power supply: 380 V, 3P, 50/60 Hz

OPTIONS

- Corona treatment
- Razor slitting

RDF Modular

MAIN TECHNICAL PARAMETERS

Available web widths: 350 mm (13.78") and 450 mm (17.72")
Maximum speed: Up to 70 m/min (230 fpm) semi-rotary,
80 m/min (262 fpm) full-rotary
Registration Accuracy: ±0.15 mm (±0.006")
Unwinder: 1,000 mm (39.37")
Rail system
Flexo unit: full- and semi-rotary capable
UV LED dryer with chill drum
Unwind/rewind for cold foil on rail system
Semi-rotary and full-rotary die station with matrix removal
Dual rewind
Manual shear slitting
Power supply: 380 V, 3P, 50/60 Hz

OPTIONS

- Corona treatment
- Razor slitting
- Backscoring unit
- Hot foil stamping/embossing — flatbed unit
- Screen printing — flatbed silk screen unit
- Sheeter system with delivery unit
- Lamination
- Web-turn mechanism
- Reverse-side printing
- Fully automatic slitting system
- Multi-layer and booklet labels
- Print embellishment: digital, foil and embossing
- Digital hybrid solutions

The Modular platform grows with your business – from simple converting to complex hybrid workflows – with options to suit every functional process.



ROTOCON

RSH SLITTING, REWINDING & INSPECTION SYSTEM



The RSH slitting, inspection, and rewinder machine, available in 340 mm (13.39"), 450 mm (17.72"), and 540 mm (21.26") web widths, features a horizontal layout, ultrasonic guidance, and precision tension control.

The RSH is a multi-servo-driven horizontal slitting and inspection rewinder designed for efficient and versatile label roll processing, with a compact footprint, fast setup times, and precise servo-controlled tension handling. With its easy-to-use control panel and multiple slitting options, it is particularly well-suited to booklet labels, pharmaceutical applications, and high-accuracy label finishing. Its open machine design and operator-friendly layout ensure smooth, consistent performance across a wide range of substrates.

Available Web Widths	340 mm (13.39"), 450 mm (17.72"), 540 mm (21.26")
Web Guidance	Ultrasonic web guide system
Slitting Accuracy	±0.2 mm (±0.008")
Slitting System	Manual shear knives, 5 knife pairs
Tension Control	On unwind and rewind
Draw Station	Inverter-controlled
Splicing Station	Unwind table with roll-end stop
Counting	Linear and individual label count
Application Focus	Booklet handling, pharma, label converting
Layout	Horizontal configuration for operator convenience
Stopping Buffer	Static stopping buffer for inspection standard
Inspection Mount	Vision-system mount included as standard (vision system not included)

Available options: camera or stroboscope inspection, autoslitting unit (shear knife), razor slitting (manual), dual rewind, separated waste winder, turret system

FEATURES

Horizontal machine layout for ergonomic access
Designed to provide easy and comfortable operator interaction

Ultrasonic web guide and roll tracking
Accurate web positioning and real-time roll diameter monitoring

Precise tension control on both unwind and rewind
Ensures consistent web handling throughout the process

Compact and space-saving design
Optimized footprint for efficient use of floor space

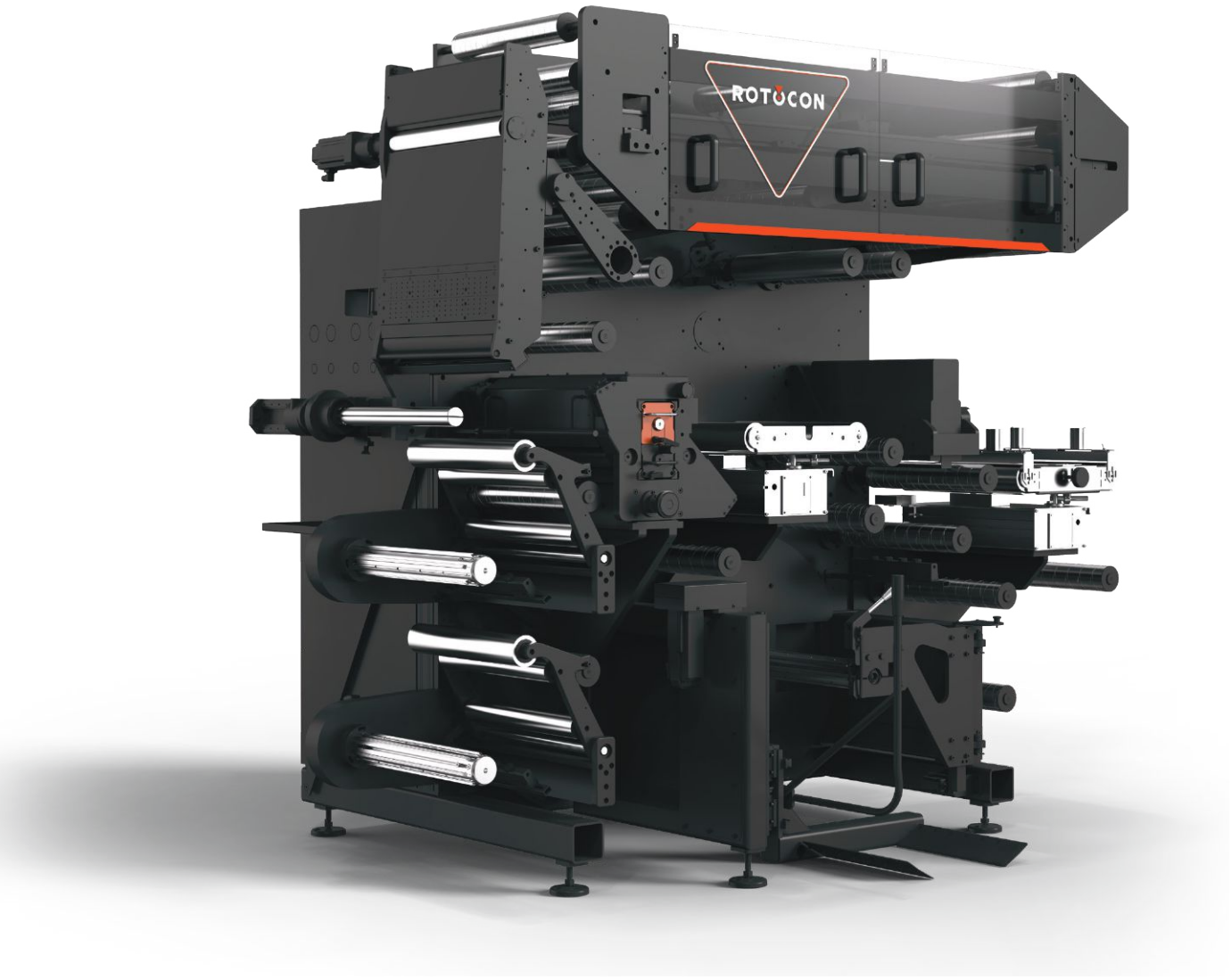
Ideal for complex formats like booklet labels
Supports advanced label formats with high precision

Inverter-based draw station for stable web handling
Reliable web draw control via inverter technology

Simple, intuitive operator interface
User-friendly controls for efficient machine operation

ROTOCON

RSV-P SLITTING, REWINDING & INSPECTION (PHARMACEUTICAL)



Discover the RSV-P inspection, slitting, and rewinding solution for pharmaceutical applications, available in a web width of 440 mm (17.32"). Featuring an extremely compact footprint and multi-servo-driven systems, the RSV-P delivers label inspection, slitting, and rewinding at speeds of up to 320 m/min (1050 fpm). Dynamic accumulation before the slitting system enables re-inspection after label replacement, depending on the vision system configuration. Efficient, accurate, and operator-friendly.

MAIN TECHNICAL PARAMETERS

Available Web Widths	440 mm (17.32")
Maximum Speed	320 m/min (1050 fpm)
Defect Placement Speed	Up to 320 m/min (1050 fpm) (machine speed is material, application and vision system dependent)
Unwind Diameter	750 mm (29.52")
Rewind Diameter (single)	520 mm (20.47")
Rewind Diameter (dual)	2 x 480 mm (18.90")
Slitting Accuracy	±0.2 mm (±0.008")
Slitting System	Manual shear knives, 5 knife pairs
Counting Modes	Totalised, linear, individual label
Control System	Servo driven with integrated automatic tension control
Material Thicknesses	80–150 µm (3.15–5.91 mil) (others available after consultation)

Standard Configuration Includes:

- Compact and robust design
- 15-inch touchscreen panel on separate HMI console
- Vision system touchscreen panel
- 100% servo control from Bosch Rexroth
- Job memory for 2,000 jobs
- Remote diagnostics
- Unwind unit – 76 mm (3”) core holder
- Integration of all major camera systems
- Splice table including web guide before the camera system
- Vertical Vacuum splice table including waste rewind
- Web guide before the slitting unit
- Cartridge slitting system including LED lights
- Ultrasonic Label Counting/length counting
- Single rewind – 76 mm (3”) core holder
- Right-to-left configuration only

FEATURES

Easy operation and user-friendly interface

Designed for intuitive control and minimal operator training

Fully servo-driven for precision and low maintenance

Servo technology ensures accurate performance with reduced upkeep

Cost-effective with a powerful standard feature set

Offers excellent value without sacrificing essential capabilities

Web tension automation

Automated tension control for consistent web handling

Compact footprint, ideal for tight spaces

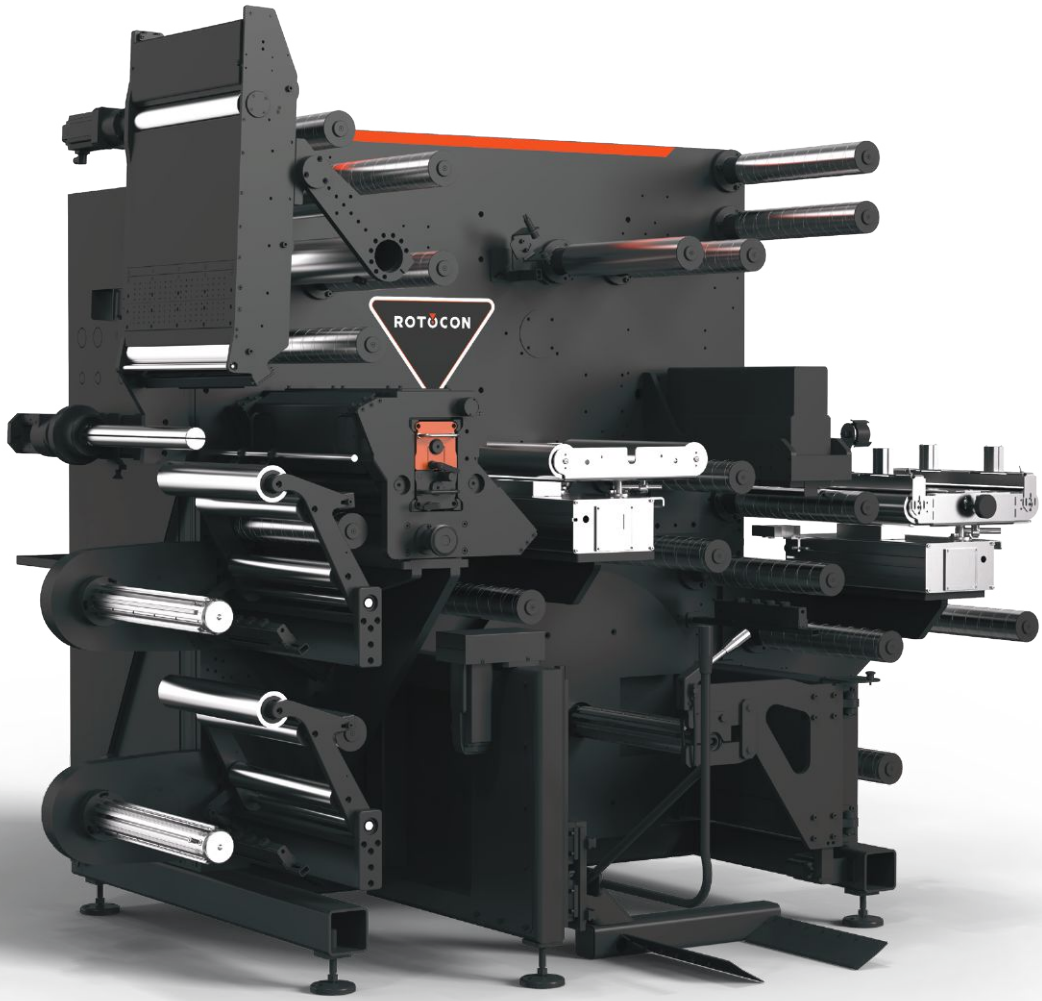
Space-saving design perfect for limited floor areas

Suitable for pharmaceutical and general label applications

Versatile system built to meet stringent pharma and general labelling standards

ROTOCON

RSV SLITTING, REWINDING & INSPECTION



Discover the RSV inspection, slitting, and rewinding solution for label finishing applications, available in web widths of 440 mm (17.32"), 580 mm (22.83"), and 640 mm (25.20"). Featuring an extremely compact footprint and multi-servo-driven systems, the RSV delivers label inspection, slitting, and rewinding at speeds of up to 320 m/min (1050 fpm). Efficient, accurate, and operator-friendly.

MAIN TECHNICAL PARAMETERS

Available Web Widths	440 mm (17.32"), 580 mm (17.32")
Maximum Speed	320 m/min (1050 fpm)
Defect Placement Speed	Up to 320 m/min (1050 fpm) (machine speed is material, application and vision system dependent)
Unwind Diameter	750 mm (29.52")
Rewind Diameter (single)	520 mm (20.47")
Rewind Diameter (dual)	2 x 480 mm (18.90")
Slitting Accuracy	±0.2 mm (±0.008")
Slitting System	Manual shear knives, 5 knife pairs
Counting Modes	Totalised, linear, individual label
Control System	Servo driven with integrated automatic tension control
Material Thicknesses	80–150 µm (3.15–5.91 mil) (others available after consultation)

Standard Configuration Includes:

- Compact and robust design
- 15-inch touchscreen panel on separate HMI console
- Vision system touchscreen panel
- 100% servo control from Bosch Rexroth
- Job memory for 2,000 jobs
- Remote diagnostics
- Unwind unit – 76 mm (3”) core holder
- Integration of all major camera systems
- Splice table including web guide before the camera system
- Vertical Vacuum splice table including waste rewind
- Web guide before the slitting unit
- Cartridge slitting system including LED lights
- Label/length counting
- Single rewind – 76 mm (3”) core holder
- Right-to-left configuration only

FEATURES

Easy operation and user-friendly interface

Designed for intuitive control and minimal operator training

Fully servo-driven for precision and low maintenance

Servo technology ensures accurate performance with reduced upkeep

Cost-effective with a powerful standard feature set

Offers excellent value without sacrificing essential capabilities

Web tension automation

Automated tension control for consistent web handling

Compact footprint, ideal for tight spaces

Space-saving design perfect for limited floor areas

Suitable for pharmaceutical and general label applications

Versatile system built to meet stringent pharma and general labelling standards

ROTOCON

4-SPINDLE TURRET REWINDER WITH HOTMELT GLUE OR GLUELESS OPERATION

The ROTOCON Automatic 4-Spindle Turret Rewinder with hotmelt glue or glueless operation keeps finishing lines moving with continuous rewinding and automatic roll changeover, allowing operators to unload finished rolls and prepare new cores without stopping production and reducing costly setup and changeover times.

It delivers superior winding performance with multi-servo precision tension control across a wide range of substrates, making it the ideal solution for converters seeking maximum uptime and long-term reliability. Fast, precise, and clean, the ROTOCON 4-Spindle Turret Rewinder is especially suited for labels produced on heat-sensitive substrates or using heat-sensitive inks, finishes, or decorations.

The innovative glueless starting technology for web-to-core fixing eliminates the need for adhesive, saving costs while guaranteeing clean, glue-free rolls and a tidy working environment.

MAIN TECHNICAL PARAMETERS

Feature	Hotmelt Glue Operation	Glueless Operation
Max. working web width	350 mm (13.78") 450 mm (17.72") 530 mm (20.87")	530 mm (20.87")
Max. rewind diameter	350 mm (13.78")	260 mm (10.24")
Min. lane width	60 mm (2.36")	40 mm (1.57")
Max. speed	Up to 150 m/min* (492 fpm)	Up to 150 m/min* (492 fpm)
System type	Automatic hotmelt glue system	Glueless system
Finished roll unloading	Included	Included
Core alignment & loading	Automatic	Automatic

*Max. speed depends on options, material, and application.

Requirement	Hotmelt Glue Operation	Glueless Operation
Power supply	380 V, 3P/N/PE, 16 kW, 25 A, 50/60 Hz	380 V, 3P/N/PE, 10 kW, 16 A, 50/60 Hz
Compressed air	6–8 bar (approx. 87–116 psi)	6–8 bar (approx. 87–116 psi)
Network connection	Required	Required



STANDARD CONFIGURATION INCLUDES (BOTH VERSIONS):

- Clear-on-clear sensor
- Interface for other presses, including start, stop, jog, slow down, and safety interface
- Lenze servo drive
- Electronic web tension control
- Finished roll collection
- Mandrel constant end support
- Quick-change mandrel function
- Manual slitting unit with 10 knives
- Electronic web guide
- Automatic core loader
- Automatic bowl feeder complete with an exit feeder suited to a range of cores (25.4–38.1 mm / 1"–1.50")
- Web edge trim extraction
- 4 rewind spindles: 25.4 mm (1"); 38.1 mm (1.5"); 76.2 mm (3")

ROTOCON

NSU NON-STOP UNWIND SOLUTION



A new generation of non-stop unwind equipment utilising the latest multi-servo technology for unrivalled web tension control, available in web widths of 350 mm (13.78"), 450 mm (17.72"), 530 mm (20.87"), and 660 mm (25.98").

Non-stop unwinding solution for label converting, flexible packaging, and narrow web applications. The NSU – Automatic Servo Non-Stop Unwind features full closed-loop tension control and an interfaced package compatible with any ROTOCON or third-party machinery.

MAIN TECHNICAL PARAMETERS

Specifications	**350 mm (13.78")**	**450 mm (17.72")**
Splicing Speed	150 m/min (492 fpm)	150 m/min (492 fpm)
Working Speed	180 m/min (591 fpm)	180 m/min (591 fpm)
Maximum Diameter	1,000 mm (39.37")	1,000 mm (39.37")
Shaft Diameter	76.2 mm (3") (152.4 mm (6") optional)	76.2 mm (3") (152.4 mm (6") optional)
Roll Weight	350 kg (772 lb)	425 kg (937 lb)
Tension Range	30–200 N (6.74–44.96 lbf)	30–250 N (6.74–56.20 lbf)
Cutting System	Rolling shear	Rolling shear
Notes	All platforms and all substrates	All platforms and all substrates

Specifications	**530 mm (20.87")**	**660 mm (25.98")**
Splicing speed	150 m/min (492 fpm)	150 m/min (492 fpm)
Working speed	180 m/min (591 fpm)	180 m/min (591 fpm)
Maximum diameter	1,000 mm (39.37")	1,000–2,000 mm (39.37–78.74 in)
Shaft diameter	76.2 mm (3") (152.4 mm (6") optional)	76.2 mm (3") (152.4 mm (6") optional)
Roll weight	550 kg (1,213 lb)	500–1,000 kg (1,102–2,205 lb)
Tension range	40–300 N (8.99–67.44 lbf)	50–350 N (11.24–78.66 lbf)
Cutting system	Rolling shear	Rolling shear
Notes	All platforms and all substrates	All platforms and all substrates

ROTOCON

NSU-V AUTOMATIC BUTT SPLICE UNWINDER



FEATURES

The benefits of automatic splicing add up to significantly increased productivity, greater quality control and reduced waste. The NSU-V applies these benefits to label converting and narrow-web applications.

Servo-controlled for 100% successful butt splicing
Stable tension control system with segmental tension coupling method
Tape application to the front and back sides
A set of maintenance-free storage racks
Independent A/B-axis web guide control
Convenient material placement system
Automatic roll sidelay for use with opaque and transparent materials
Tail-grabbing function for maximum material usage and minimum waste
Pneumatic lift loading, operated by one person without any tools

THE MATERIAL RANGE

The NSU-V can process paper from 60–400 gsm, plastic film thicker than 25 µm, and ABL/BPL laminated tubes. Material samples outside these ranges should be sent to ROTOCON for testing prior to order placement.

Unsupported film, paperboard and tube laminates (ABL/PBL) can also be handled with the optional secondary tension control.

TECHNICAL SPECIFICATIONS

Specification	Value
Model	NSU-350/450/550
Maximum Unwinding Diameter	800 / 1,000 / 1,000 mm (31.50 / 39.37 / 39. 37")
Max. Web Width	350 / 450 / 550 mm (13.78 / 17.72 / 21. 65")
Max. Machine Speed	180 m/min (591 fpm)
Max. Splicing Speed	150 m/min (492 fpm)
Material Splicing Time	2 sec
Splicing Method	Oblique splicing
Material Range (Standard)	Paper: 60–400 gsm; plastic film: >25 µm; ABL/BPL tube laminated
Secondary Tension Control	Digital
Splicing Angle	10°
Edge Position Control	Terminal EPC
Material Pick-up Alignment	Laser Positioning
Dimensions	L2,950 × W1,550 × H2,450 mm (L116. 14" × W61. 02" × H96. 46")
Machine Weight	About 2,200 kg (4,850 lb)
Total Power	6 kW – 11 kW
Voltage	380 V, 50 Hz, 3-phase

Basic Working Principle

The NSU-V is controlled by two servo motors and includes a unique coupling tension control system. The splice unit provides a diagonal butt splice using a two-position cantilevered unwind with a lift-and-load system. The rolling shear splice unit cuts the web cleanly while tape is applied to both sides of the splice, allowing continuous production without reducing machine speed.

ROTOCON

TWO-SPINDLE AUTOMATIC TURRET REWINDER



FEATURES

Multi-servo controlled providing 100% reliable core adhesion
Sawtooth knife for faster and easier cutting
Taper tension rewinding function
Stable tension control system with segmental tension coupling
Easy connection to the main machine without cables
Manual unloading system
Ergonomic design
Meter counter function to minimise material waste

TECHNICAL SPECIFICATIONS

Specifications	**Value**
Model	NSR350-450-550
Maximum Rewinding Diameter	800 mm (31.50")
Max. Rewinding Width	350 mm (13.80") / 450 mm (17.72") / 550 mm (21.65")
Max. Machine Speed	180 m/min (591 fpm)
Material Connection Time	1 sec
Angle of Material Connection	Parallel to rewind shaft
Edge Position Control	Inter-line EPC
Unload Mode	Manual unloading unit
Paper Core Alignment	Laser Positioning
Dimensions	L1850 × W1300 × H1550 mm (L72.83" × W51.18" × H61.02")
Machine Weight	About 1,500 kg (3,307 lb)
Total Power	6 kW
Run Start Power	3 kW
Voltage	380 V, 50 Hz, 3-phase

BASIC WORK PRINCIPLE

Two-spindle automatic rewinder for labels, flexible packaging and narrow to mid-web processes. Includes web guide, cutting unit, A/B axis turret system and manual unloading unit for continuous rewinding.

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NSM NON-STOP MATRIX REMOVAL UNIT





FEATURES

Suitable for all kinds of self-adhesive materials including difficult light art paper and irregular waste labels.
Multi-servo precision tension control system (0.2 N accuracy).
Integrated waste collecting extruder reduces disposal workload.
Independent control system follows and tracks the main machine.

TECHNICAL SPECIFICATIONS

Specifications	**Value**
Model	NSM-450-550
Max. Web Width	450–550 mm (17.72–21.65")
Max. Machine Speed	180 m/min (591 fpm)
Rewind Tension Precision	±2%
Materials	Self-adhesive labels
Dimensions	L750 × W500 × H450 mm (L29. 53" × W19. 69" × H17. 72")
Machine Weight	About 250 kg (551 lb)
Power	1.8 kW
Voltage	380 V, 50 Hz, 3-phase

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PRO MOUNT PLATEMOUNTER

An entry-level machine designed to tick three boxes: affordability, ease of operation, and maximum precision with highly repeatable accuracy for operators manually mounting printing plates.

The 650-line camera achieves a 70x amplification ratio, delivering clear, bright images that substantially improve plate-mounting precision via a 482.6 mm (19") high-resolution display.



Specifications:

- Max Plate Cylinder Length: 600 mm (23.62")
- Max Plate cylinder Diameter: 800 mm (31.50")
- Voltage: 220 V (single-phase, 50-60 Hz)

ROTOCON

PRO CLEAN
ANILOX ROLLER CLEANER

This ultrasonic anilox roller cleaner efficiently and quickly removes all types of ink and dirt from anilox cells of any line count. It is equipped with a roller-swivelling wheel and a constant-temperature heating system, reducing ‘hot spots’ in the liquid that can create high-intensity power levels and potentially damage components.

Ultrasonic cleaning converts electrical energy into kinetic energy without generating dust or sewage, making it a more environmentally friendly method. It uses a cleaning fluid to enable easier removal of dirt from micro-holes.

The cleaning process is simple: after inserting the anilox roller into the cleaning tank filled with cleaning fluid, the operator presses the cleaning button. Depending on the anilox cell configuration, different sizes of customised cleansers can be selected, and the operator can switch between single- and double-frequency cleaning.

At 40 kHz, single-frequency cleaning is stable, reliable and thorough. After removing ink or stubborn dirt with low-frequency cleaning, multiple frequencies enable highly precise cleaning of the anilox cells.



Specifications:

- Anilox Roller Length: 100–450 mm (3.94–17.72")
- Number of Ultrasonic Transducers: 16
- Temperature Control Range: 30–100 °C (86–212 °F)
- Ultrasonic Power Supply: 20 A / 220 V
- Electric heater power: 2.6 kW
- Ultrasonic Cleaning Frequency: 40 kHz
- Rinsing Tank Length: 450 mm (17.72")
- Rinsing Tank Width: 450 mm (17.72")
- Capacity: 40 litres (10.6 gal)

OUR SERVICE TECHNICIANS ARE PASSIONATE ABOUT CUSTOMER SATISFACTION.

All equipment supplied by ROTOCON is serviced by our technicians, from installation and repair to comprehensive operator training.

Rigorously trained and certified to OEM standards, our technicians arrive at our customer locations ready to perform engineering tasks with a hands-on approach, technical integrity, and a get-it-done mentality.



NOTES.

LABEL SAMPLE.

LABEL SAMPLE.

NOTES.

DISCLAIMER
Specifications are subject to change without notice and may vary depending on machine configuration and application. Please contact ROTOCON for the latest specifications.

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