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## LABEL FINISHING SOLUTIONS

Inspection Slitter / Rewind

Pharmaceutical Security Modules

Digital Finishing / Hybrid Solutions

Offline Die Cutting

Booklet & ECL



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## EMT INTERNATIONAL / ROTOCONTROL EMT GMBH

At EMT ROTOCONTROL, our reputation is built on designing and manufacturing high quality equipment for the printing, converting, label and packaging markets. Our expertise in creating finishing solutions in these markets, specifically, the high speed, tight web applications of the web offset printing industry has allowed us to become the world class market leader in providing finishing equipment and transports for the high speed, digital ink jet market.



### ROTOCONTROL EMT GMBH

#### Rotocontrol EMT Label Finishing Solutions

- Booklet & ECL Label Production Systems
- Hybrid Digital Finishing lines
- Label inspection systems



### EMT / ROTOCONTROL USA

#### Specifically for the Label Finishing Market, we offer:

- Label Finishing Units (Punching)
- Plow Folding
- Slitter Holders
- Core Holding
- Perforating
- Consumables & Tooling
- Die Cutting
- Services



## RSC SERIES

### INSPECTION SLITTER / REWINDER MACHINE

The RSC Series offers a full suite of standard features in an economical, compact machine, designed to maximize operator efficiency. Standard features include a cartridge slitting system, vertical inspection zone, automatic tension control, servo-driven operation, job save and simple, functional controls means more time to produce labels and less time in set up.



### FEATURES

#### Standard Configuration includes:

- Compact and robust design
- 15" touch screen panel on separate HMI console
- 100% servo control from Bosch Rexroth
- Job memory for 500 jobs
- Remote diagnostics
- Unwind unit
- Splice table at unwind
- Static buffer
- Vertical inspection area
- Web guide before the slitting unit
- Cartridge slitting system including LED light
- Label/length counting
- Single rewind – 76 mm (3") core holder
- Right to left configuration only

#### Options

- Hydraulic roll lifter for diameters up to 1200 mm (47.24")
- Internal roll lift 750 mm (29.52") diameter
- Waste rewind unit at unwind and before slitting unit
- Flag and splice detection
- Static elimination
- Integration of all major camera systems
- Vertical vacuum splice table
- Inkjet integration
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- Dual rewind 2 x 420 mm
- Big dual rewind module 2 x 600 mm (23.62")
- Lay-on rollers
- Slip differential shafts
- Strobe light
- Rewind shafts – 25 mm – 152 mm (1"-6")

#### Specifications

- Working Widths  
440 mm (17.32"), 580 mm (22.83"), 670 mm (26.38")
- Rewind Diameter   Single rewind = 550 mm (21.65")  
                              Dual rewind = 420 mm
- Unwind Diameter   750 mm (29.53")
- Run Speed up to   440 m/min (1440 fpm)

## RSC 2.0 SERIES

### INSPECTION SLITTER / REWINDER MACHINE

The RSC 2.0 Series offers a full suite of standard features in a robust, accessible machine, designed to maximize operator efficiency and productivity. Standard features including a cartridge slitting system, vertical inspection zone, automatic tension control, servo driven operation, job save, and simple, functional controls means more time in production and less time in set up.



### FEATURES

#### Standard Configuration includes:

- Accessible and robust design
- 15.6" touchscreen panel
- 100% servo control
- Job memory for up to 2,000 jobs, optional 5,000 jobs
- Remote diagnostics
- Unwind unit
- Static buffer
- Vertical or horizontal inspection configurations available
- 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

#### Options

- Integrated roll lift
- Flag and splice detection
- Static elimination
- Integration of all major camera systems
- Vertical vacuum splice table with waste rewind
- Inkjet integration
- Custom roll coatings
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- Dual rewind
- Web advance with lay-on rollers
- Slip differential shafts
- Strobe light
- Rewind shafts – 25 mm – 152 mm (1" – 6")

#### Specifications

- |                             |                       |
|-----------------------------|-----------------------|
| • Transport Speed up to     | 550 m/min (1800 fpm)  |
| • Working Widths            | 440 mm (17.32")       |
| • Rewind Diameter           |                       |
| Single rewind:              | 610 mm (24")          |
| Dual rewind: Vertical       | 480 mm (20") (18.90") |
| Dual rewind: Horizontal     | 610 mm (24")          |
| • Defect Placement Speed to | 440 m/min (1440 fpm)  |
| • Unwind Diameter           | 1016 mm (40")         |

# RSP-H

## PHARMACEUTICAL SECURITY

The RSP-H Series machines are specifically designed for compliance with the most demanding security label inspection and finishing applications. The vision system provides 100% inspection of the web and stops the machine when a fault is detected, prior to slitting or other post-inspection operations.

The faulty label is automatically placed on the inspection/splice table where the operator can perform corrective action. Once the fault is corrected, the web reverses and the corrected label passes under the vision system a second time, ensuring 100% compliant product is passed to the next stages of production.

The special design and optional large-diameter idlers allow the machine to finish booklet labels.

The machines can operate in two distinct levels of compliance confirming to the required level of security, including:  
Full Compliance

In Full-Compliance Mode, the defective label must be corrected and re-inspected before the process can continue and cannot be overridden by the operator.

This mode is intended for applications where 100% compliant labels must be guaranteed.

### Controlled Compliance

In this mode, the operator can choose to re-inspect the corrected label with a single button push, or bypass the re-inspection system and accept a defective label after manually inspecting or correcting it. This mode is intended for premium value-add labels that require the highest quality, but leave some discretion for the operator to increase throughput.



## FEATURES

### Standard Configuration includes:

- Modular design
- 15-inch touchscreen panel on pivoting arm
- Vision system touchscreen panel
- 100% servo control from Bosch Rexroth
- Job memory for 500 jobs
- Remote diagnostics
- Unwind unit
- Integration platform ready to accept industry-leading vision systems
- Splice table/inspection plate including web guide before the camera system
- Dynamic web buffer
- Horizontal inspection area
- Web guide before the slitting unit
- Cartridge slitting system including LED light (optional special booklet slitting)
- Label/length counting
- Single rewind – 76 mm (3") coreholder

### Options

- Hydraulic roll lifter for diameter up to 1200 mm (47.24")
- Waste rewind unit at unwind and before slitting unit
- Flag and splice detection
- Static elimination
- Inkjet integration
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- Dual rewind module 2 x 600 mm (23.62")
- Web advance with lay-on rollers
- Slip differential shafts
- Strobe light
- Rewind shafts – 25 mm – 152 mm (1" – 6")

### Specifications

- |                        |  |
|------------------------|--|
| • Working Widths       | 440 mm (17.32")  |
| • Rewind Diameter      | Single rewind = 550 mm (21.65")<br>Dual rewind = 2 x 600 mm                  |
| • Run Speed up to      | 320 m/min (1050 fpm) (machine speed is material and vision system dependent) |
| • Unwind Diameter      | 750 mm (29.53")  |
| • Dual Rewind Diameter | 2 x 600 mm   |



## RSP-V SERIES

### PHARMACEUTICAL SECURITY

The RSP-V Series machines incorporate a fully integrated 100% vision inspection system which stops the machine when a fault is detected, prior to slitting or other post-inspection operations.

The faulty label is automatically placed on the inspection/splice table where the operator can perform corrective action. Once the fault is corrected, the web is reversed, moving the corrected label before the camera for re-inspection prior to slitting meeting 100% inspection compliance requirements.

For lower security applications, the web can continue directly on to slitting and other post-inspection operations.



The machines can operate in two distinct levels of compliance confirming to the required level of security. These include:

#### Full Compliance

In Full-Compliance Mode, a defective label must be corrected and re-inspected before the process can continue and cannot be overridden by the operator. This mode is intended for applications where 100% compliant labels must be guaranteed.

#### Controlled Compliance

In this mode, the operator can choose to re-inspect the corrected label with a single button push to bypass the re-inspection system and accept a defective label after manually inspecting or correcting it. This mode is intended for premium value-add labels that require the highest quality but leave some discretion for the operator to increase throughput.

## FEATURES

#### 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 500 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
- Dynamic web buffer
- 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

#### Options

- Hydraulic roll lifter module for diameters up to 1200 mm (47.24")
- Internal roll lift 750 mm (29.52")
- Waste rewind unit at unwind and before slitting unit
- Flag and splice detection
- Static elimination
- Inkjet integration
- Shear and razor knife slitting
- Fully automatic knife positioning system – EPOS
- Dual rewind 2 x 420 mm (16.54")
- Big dual rewind module 2 x 600mm (23.62")
- Web advance with lay-on rollers
- Slip differential shafts
- Strobe light
- Rewind shafts – 25 mm – 152 mm (1" – 6")

#### Specifications

- |                   |  |
|-------------------|--|
| • Working Widths  | 440 mm (17.32"), 580 mm (22.83")   |
| • Rewind Diameter | Single rewind = 550 mm (21.65")<br>Dual rewind = 2 x 420 mm (16.54")                         |
| • Unwind Diameter | 750 mm (29.53")  |
| • Run Speed up to | 320 m/min (1050 fpm)<br>(machine speed is material, application and vision system dependent) |

# RSP-V 2.0 SERIES

## PHARMACEUTICAL SECURITY

The RSP-V Series machines incorporate a fully integrated 100% vision inspection system which stops the machine when a fault is detected, prior to slitting or other post-inspection operations.

The faulty label is automatically placed on the inspection/splice table where the operator can perform corrective action. Once the fault is corrected, the web is reversed, moving the corrected label before the camera for re-inspection prior to slitting meeting 100% inspection compliance requirements.

For lower security applications, the web can continue directly on to slitting and other post-inspection operations.



The machines can operate in two distinct levels of compliance confirming to the required level of security. These include:

### Full Compliance

In Full-Compliance Mode, a defective label must be corrected and re-inspected before the process can continue and cannot be overridden by the operator. This mode is intended for applications where 100% compliant labels must be guaranteed.

### Controlled Compliance

In this mode, the operator can choose to re-inspect the corrected label with a single button push to bypass the re-inspection system and accept a defective label after manually inspecting or correcting it. This mode is intended for premium value-add labels that require the highest quality but leave some discretion for the operator to increase throughput.

## FEATURES

### 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 500 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
- Dynamic web buffer
- 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

### Options

- Internal roll lift 1016 mm (40.00")
- Flag and splice detection
- Static elimination
- Inkjet integration
- Shear and razor knife slitting
- Fully automatic knife positioning system – EPOS
- Dual rewind 2 x 480 mm
- Big dual rewind module 2 x 600mm (23.62")
- Web advance with lay-on rollers
- Slip differential shafts
- Strobe light
- Rewind shafts – 25 mm – 152 mm (1" – 6")

### Specifications

- Working Widths 440 mm (17.32")
- Rewind Diameter Single rewind = 610 mm (24.00")  
Dual rewind = 2 x 480 mm (18.90")
- Unwind Diameter 1016 mm (40.00")
- Run Speed up to 320 m/min (1050 fpm)  
(machine speed is material, application and vision system dependent)



# DT 2.0 HYBRID SERIES

## MODULAR HYBRID + DIGITAL FINISHING

The DT 2.0 Hybrid Series is a fully modular and universal machine. The integrated flexo printing, inkjet printing and die-cutting unit, combined with the special register control, make it exceptionally capable in the processing and finishing of digitally preprinted rolls.

The DT 2.0 is capable of working with all major digital printing presses.



## FEATURES

### Standard Configuration includes:

- Fully modular machine
- 15.6 inch touchscreen on pivoting arm
- 100% servo controlled
- Job memory for up to 2,000 jobs
- Remote diagnostics
- Unwind unit
- Splice table including web guide
- Cartridge slitting system including LED light
- Single rewind

### Specifications

- Working Widths 340 mm (13.39"), 440 mm (17.32")
- Print Repeat Range 229 mm – 609 mm (9" – 24")
- Rewind Diameter 610 mm (24")
- Unwind Diameter 800 mm (31.5")
- Die Repeat Range 695.25 mm – 635 mm (3.75" – 25")
- Run Speed up to
  - Full rotary 304.8 mm – 609.6 mm (12" - 24")
  - Semi Rotary Semi-rotary = 70 m/min (230 fpm)
  - Full-rotary = 150 m/min (492 fpm)
  - Synchronous mode = 200 m/min (656 fpm)

## OPTIONS

### Standard Available Options:

- Waste rewind unit
- Web cleaner
- Static elimination
- Delam/relam unit
- Rotary/semi-rotary flexo
- Lamination unit
- Register lamination unit (optional with labeler function)
- Cold foiling
- Component rail system
- Inkjet integration
- Label dispensing system
- Integration of all major camera systems
- Multiple die-cutting and printing stations possible
- Semi and full rotary (+/- 0.3 mm) (+/- 0.012")
- Special backside die-cutting option without exchanging the magnetic cylinder against the anvil cylinder
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- 1016 mm Unwind or Rewind Upgrade
- Integrated Roll Lift
- Dual rewind 2 x 600 mm (23.62")
- Lay-on rollers
- Slip differential shafts
- Semi-automatic turret rewinder-with Autocut
- Underscoring unit
- Decurling device
- Sheeter station with vacuum and shingle conveyor
- Strobe light

### Options available on Request:

- Turn bar
- Screen printing
- Flatbed screen printing
- Hot stamping

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The DT 2.0 is capable of working with all major digital printing presses.



## FEATURES

### Standard Configuration includes:

- Fully modular machine
- 15.6 inch touchscreen on pivoting arm
- 100% servo controlled
- Job memory for up to 2,000 jobs
- Remote diagnostics
- Unwind unit
- Splice table including web guide
- Cartridge slitting system including LED light
- Single rewind

### Specifications

- Working Widths 340 mm (13.39"), 440 mm (17.32")
- Print Repeat Range 229 mm – 609 mm (9" – 24")
- Rewind Diameter 610 mm (24")
- Unwind Diameter 800 mm (31.5")

- Die Repeat Range 695.25 mm – 635 mm (3.75" – 25")  
Full rotary  
304.8 mm – 609.6 mm (12" - 24")  
Semi Rotary
- Run Speed up to  
Semi-rotary = 70 m/min (230 fpm)  
Full-rotary = 150 m/min (492 fpm)  
Synchronous mode = 200 m/min (656 fpm)

## OPTIONS

### Standard Available Options:

- Waste rewind unit
- Web cleaner
- Static elimination
- Delam/relam unit
- Rotary/semi-rotary flexo
- Lamination unit
- Register lamination unit (optional with labeler function)
- Cold foiling
- Component rail system
- Inkjet integration
- Label dispensing system
- Integration of all major camera systems
- Multiple die-cutting and printing stations possible
- Semi and full rotary (+/- 0.3 mm) (+/- 0.012")
- Special backside die-cutting option without exchanging the magnetic cylinder against the anvil cylinder
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- 1016 mm Unwind or Rewind Upgrade
- Integrated Roll Lift
- Dual rewind 2 x 600 mm (23.62")
- Lay-on rollers
- Slip differential shafts
- Semi-automatic turret rewinder-with Autocut
- Underscoring unit
- Decurling device
- Sheeter station with vacuum and shingle conveyor
- Strobe light

### Options available on Request:

- Turn bar
- Screen printing
- Flatbed screen printing
- Hot stamping

## RSD SERIES

### DIE CUTTING, SLITTING, REWINDING

The RSD Series is a modular, servo driven based machine with a standard full rotary die cutting station to finish preprinted material or produce blank labels.

Turret rewinders, multiple die-cutting stations and many finishing options are available to maximize productivity and finishing options. In addition, flexo and lamination stations are available with our RCF line to provide the exact configuration needed for a wide range of products.

The large touch panel HMI on a pivoting arm allows for user-friendly operation at all stations.



### FEATURES

#### Standard Configuration includes:

- Fully modular machine
- 15" touch screen panel on pivoting arm
- 100% servo control
- Job memory for up to 2,000 jobs
- Remote diagnostics
- Unwind unit
- Splice table including web guide
- Full rotary die-cutting station
- Matrix rewind with adjustable stripping angle, with independent tension zones for pull-up (waste matrix stripping) and rewind (winding)
- Cartridge slitting system including LED light

#### Specifications

- Working Widths 340 mm (13.39"), 440 mm (17.32"), 540 mm (21.26"), 660 mm (26")
- Print Repeat Range 229 mm – 609 mm (9" – 24")
- Rewind Diameter 600 mm (23.62")
- Unwind Diameter 750 mm (29.53")
- Die Repeat Range 254 mm – 635 mm (10" – 25")
- Run Speed up to Full-rotary = 150 m/min (492 fpm)  
Synchronous mode = 200 m/min (656 fpm)

#### Options:

- Hydraulic roll lifter for dia. up to 1200 mm (47.24")
- Waste rewind unit
- Static elimination
- Delam/relam unit
- Turn bar
- Component rail system
- Inkjet integration
- Integration of all major camera systems
- Multiple die-cutting and printing stations possible
- Register control (+/- 0.3 mm) (+/- 0.012")
- Special backside die cutting option without exchanging the magnetic cylinder against the anvil cylinder
- Shear and razor knife slitting
- Full automatic knife positioning system – EPOS
- Dual rewind
- Web advance with lay-on rollers
- Slip differential shafts
- Semi-automatic turret rewinder-with or without Autocut
- Underscoring unit
- Decurling device
- Sheeter station with vacuum and shingle conveyor
- Strobe light
- Single rewind 800 mm (31.5")
- Rewind shafts – 25 mm – 152 mm (1"-6")

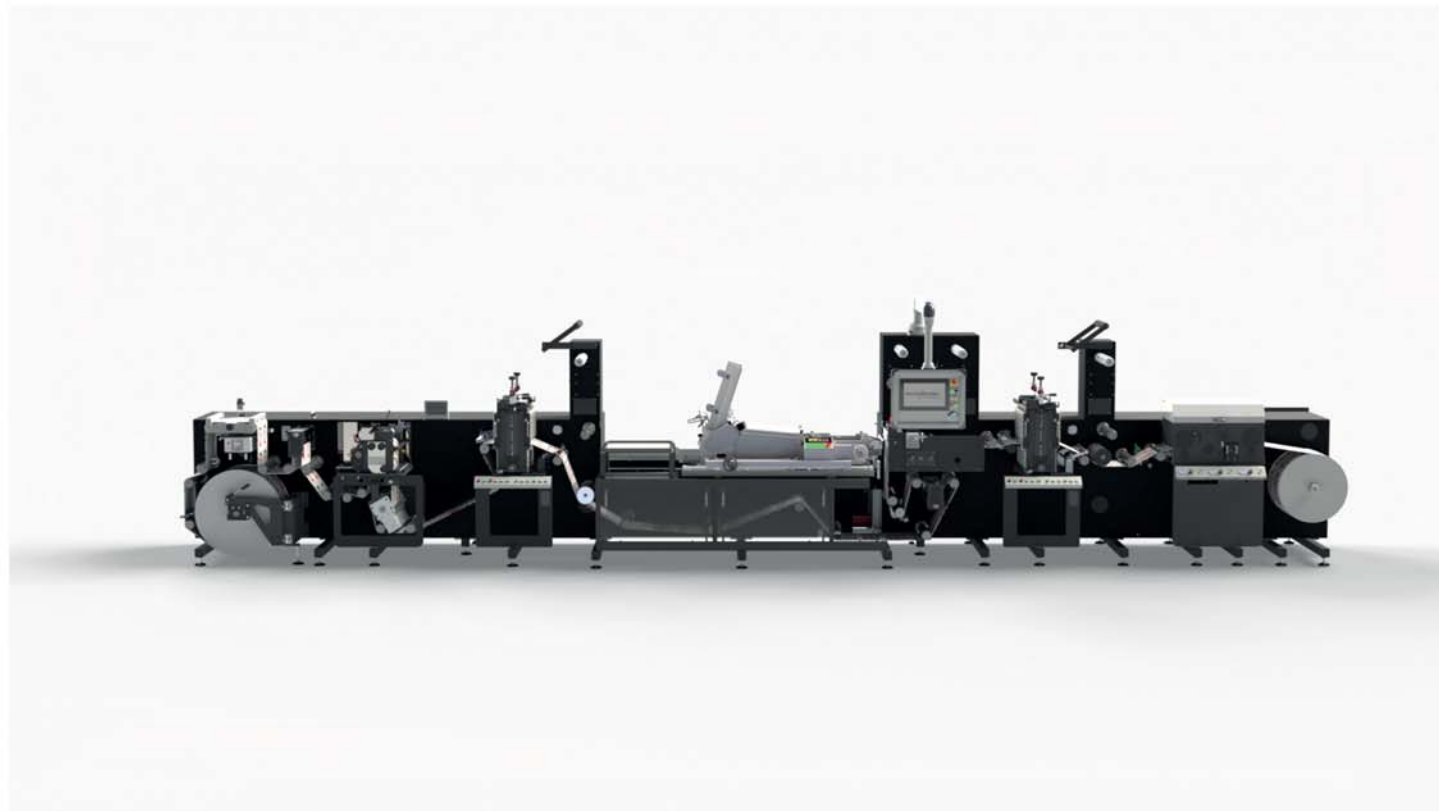


## BL SERIES

### BOOKLET PRODUCTION LINE

The BL Series is a fully servo driven, high speed offline solution for ECL and booklet labels equipped standard with the Longford International OS700X triple motor surge feeder or Kraus JoKer Booklet Feeder. It is a complete modular solution with proven production speed up to 60m/min – with the control you need for the best product.

It's the perfect machine to produce booklet labels, coupon labels and label-on-label with variable scopes and formats.



### FEATURES

#### Standard Configuration includes:

- Job memory for 500 jobs
- Fully modular machine
- 15-inch touchscreen panel on pivoting arm
- 100% servo control from Bosch Rexroth
- Remote diagnostics
- Unwind unit
- Splice table including web guide
- Splice table including web guide
- Full rotary die-cutting station
- Matrix rewind with adjustable stripping angle, independent tension zones for pull-up and rewind
- Register control
- Special slitting system – optimized for booklet labels
- Single rewind

#### Specifications

- Working Widths 340 mm (13.39"), 440 mm (17.32")
- Print Repeat Range 228.6 mm – 610 mm (9" – 24")
- Rewind Diameter 600 mm (23.62")
- Unwind Diameter 750 mm (29.53")
- Die Repeat Range 254 mm – 635 mm (10" – 25")
- Run Speed up to Booklet production = 60 m/min (197 fpm)  
Full-rotary = 150 m/min (492 fpm)  
Synchronous mode = 200 m/min (656 fpm)

#### Options:

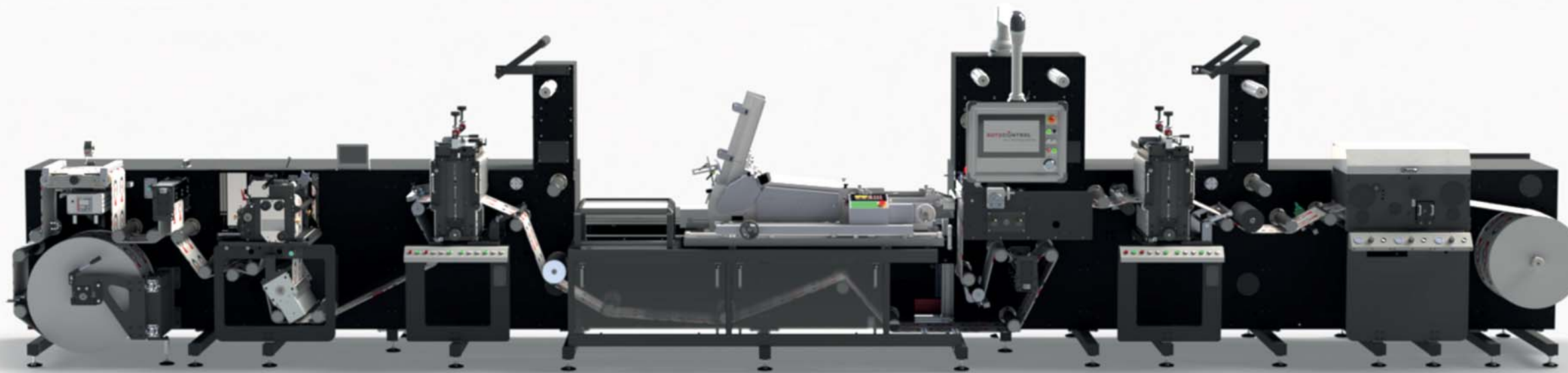
- Hydraulic roll lifter for diameters up to 1200 mm (47.24")
- Waste rewind unit
- Corona treater
- Web cleaner
- Static elimination
- Delam/relam unit
- Turn bar
- Rotary flexo and/or screen printing
- Hot and cold glue unit
- Lamination unit
- Register lamination unit (optional with labeler function)
- Curved Booklet option
- Cold foiling
- Component rail system
- Hot stamping
- Inkjet integration
- Label dispensing system
- Integration of all major camera systems
- Multiple die cutting and printing stations possible
- Register control (+/- 0.3 mm) +/- 0.012")
- Special backside die cutting option without exchanging the magnetic cylinder against the anvil cylinder
- Slitting system options
- Dual rewind
- Web advance with lay-on rollers
- Slip differential coreshafts
- Underscoring unit
- Strobe light
- Inspection system options

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- Fully modular machine
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- 100% servo control from Bosch Rexroth
- Remote diagnostics
- Unwind unit
- Splice table including web guide
- Splice table including web guide
- Full rotary die-cutting station
- Matrix rewind with adjustable stripping angle, independent tension zones for pull-up and rewind
- Register control
- Special slitting system – optimized for booklet labels
- Single rewind

### Specifications

- Working Widths 340 mm (13.39"), 440 mm (17.32")
- Print Repeat Range 228.6 mm – 610 mm (9" – 24")
- Rewind Diameter 600 mm (23.62")
- Unwind Diameter 750 mm (29.53")
- Die Repeat Range 254 mm – 635 mm (10" – 25")
- Run Speed up to Booklet production = 60 m/min (197 fpm)  
Full-rotary = 150 m/min (492 fpm)  
Synchronous mode = 200 m/min (656 fpm)

### Options:

- Hydraulic roll lifter for diameters up to 1200 mm (47.24")
- Waste rewind unit
- Corona treater
- Web cleaner
- Static elimination
- Delam/relam unit
- Turn bar
- Rotary flexo and/or screen printing
- Hot and cold glue unit
- Lamination unit
- Register lamination unit (optional with labeler function)
- Curved Booklet option
- Cold foiling
- Component rail system
- Hot stamping
- Inkjet integration
- Label dispensing system
- Integration of all major camera systems
- Multiple die cutting and printing stations possible
- Register control (+/- 0.3 mm) +/- 0.012"
- Special backside die cutting option without exchanging the magnetic cylinder against the anvil cylinder
- Slitting system options
- Dual rewind
- Web advance with lay-on rollers
- Slip differential coreshafts
- Underscoring unit
- Strobe light
- Inspection system options

## SERVICE, UPGRADES, RETROFITS, REFURBISH



EMT technicians have decades of experience and have our engineering team available in the same building for top tier, immediate support. Along with their extensive experience, they have access to the original equipment drawings for resourcing information about parts on your machine!

### Service Programs

To help with your maintenance requirements, EMT offers customizable service plans to fit your needs. These service plans are designed using preventive maintenance to keep your downtime to a minimal. Our Service plans include an experienced onsite technician to do a mechanical inspection and check of the machine, verify belt tensions, check endplay, use thermal imaging on bearings, and more. We will also customize a preventive maintenance schedule for your machine as well as verify spares levels to our recommended spares. These programs help to keep your line running optimally.

### Upgrades, Retrofits, Refurbish

As your machines age and parts reach end-of-life status or become obsolete, or when you need to upgrade to accommodate changing production parameters, EMT has solutions for your specific needs. We can also research your aging components to determine which ones are no longer available and provide solutions to replace them with new ones.

Listed below are just a few of the types of upgrades, retrofits and modifications we offer:

#### Upgrades:

- Speed upgrades
- Modular upgrades – new processes and capabilities

#### Retrofits:

- Added punch modules and cross ironing modules
- Additional cameras – machines typically come with one, but two or more may be needed in order to read both sides of the web.

#### Modifications:

- Software updates

#### Refurbishments:

- Individual customization of machines through refurbishment to meet specific customer requirements
- Customized retrofit solutions to ensure optimal fit for refurbished machines
- Integration of modern components and technologies in the refurb process to enhance functionality and efficiency
- Refurb to a like-new condition for extended lifespan and improved performance