

Slitting and Winding Solutions for Flexible Packaging



Excellence in Converting



CUTTING EDGE
TECHNOLOGY

LAEM  **IMS**
A BRAND OF IMSTECHNOLOGIES

Are you looking for solid expertise
in converting a wide range of materials?



is the right partner to **maximize**
the efficiency of **your process**,
and to obtain the **best product quality**.

SLITTING AND WINDING MACHINES
FOR THE FLEXIBLE PACKAGING INDUSTRY

LAEM IMS is specialized in slitting and winding machinery for the converting and flexible packaging industries.

The machine program includes dual shaft, turret and compact slitter rewinders as well as technologically advanced end-of-line full automation, which is required for the processing of diverse flexible packaging materials, paper, film, laminated, aluminum and coated materials.



wide range
of applications



high level
of customization



**machine life-cycle
and performances**
guaranteed
overtime

OUR
MACHINES
FOR
**FLEXIBLE
PACKAGING
INDUSTRY**

- DS » Dual Shaft
- T » Turret
- ST » Station
- SC » Unloaders
- VIS » Doctor machines
- O » Other

eSLIT

DS



RIBOSLIT 2

DS



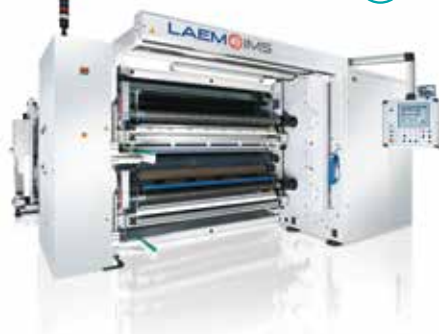
RB 2

DS



TR 2

DS



RU 1

O



RIBOSLIT 4

T



RB 4

T



TR 4

T



eXTRASLIT

ST



TR 330

ST



TR 370

ST



TR 520

O



SC 10

SC



SC 18

SC



SC 20

SC



SC 30

SC



SC 55

SC



VIS 60

VIS



VIS 100

VIS



DOC 120

VIS



Unlimited applications

The machines in our portfolio can process different types of flexible packaging materials, paper, film, laminated, aluminum and coated materials.

We can offer the **right solution** for the most **challenging applications**.

APPLICATION FIELDS:

- Flexible Packaging
- Metallized Films
- Laminates
- Cold Seal
- Food Packaging
- Medical Packaging
- Paper
- Aluminium
- Roll Label
- Semi-rigid Materials

TECHNICAL SPECIFICATIONS OVERVIEW

Machine	Working width	Unwind diameter	Rewind diameter
DUAL SHAFT			
» eSLIT	1300 mm // 51"	1000 mm // 39"	600 mm // 24"
» RIBOSLIT 2	1600 mm // 63"	1000 mm // 39"	600 mm // 24"
» RB 2	2000 mm // 80"	1270 mm // 50"	1000 mm // 39"
» TR 2	2000 mm // 80"	1270 mm // 50"	800 mm // 31"
TURRET			
» RIBOSLIT 4	1600 mm // 63"	1000 mm // 39"	600 mm // 24"
» RB 4	2000 mm // 80"	1270 mm // 50"	600 mm // 24"
» TR 4	2000 mm // 80"	1270 mm // 50"	600 mm // 24"
STATION			
» eXTRASLIT	3800 mm // 150"	1500 mm // 59"	1300 mm // 51"
» TR 330	2650 mm // 104"	1270 mm // 50"	800 mm // 31"
» TR 370	2850 mm // 112"	1500 mm // 59"	1500 mm // 59"
DOCTOR MACHINE			
» VIS 60	800 mm // 31"	600 mm // 24"	600 mm // 24"
» VIS 100	2000 mm // 79"	1000 mm // 39"	1000 mm 39"
» DOC 120	600 mm // 24"	1200 mm // 47"	1200 mm // 47"
OTHER			
» TR 520	2100 mm // 83"	1800 mm // 70"	1270 mm // 50"
» RU 1	1200 mm // 47"	1000 mm // 39"	600 mm // 24"

Customized configurations are possible on request

DUAL SHAFT SOLUTIONS FOR THE FLEXIBLE PACKAGING INDUSTRY

Our dual shaft solutions are designed to rewind and produce high quality finished reels with large diameters. Thanks to the dual slitting method - razor blades or circular knives - our machines are able to process almost all types of flexible packaging materials with different thickness, from 10 to 800 µm, and web widths up to 2000 mm.

YOUR BENEFITS ARE:

- » Increase in productivity
- » Perfect tension control
- » Cost reduction
- » High production quality
- » Great flexibility
- » High reliability

RB 2 | DS



Technical data	
» Working width up to:	2000 mm // 80"
» Rewind diameter up to:	1000 mm // 39"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1270 mm // 50"

The **Flexible** Dual Shaft Slitter Rewinder

Customized configurations are possible on request

TECHNICAL SPECIFICATIONS OVERVIEW

eSLIT | DS



The **Essential** Dual Shaft Slitter Rewinder

» Working width up to:	1300 mm // 51"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	600 m/min // 1,968.5 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1000 mm // 39"

RIBOSLIT 2 | DS



The **Compact** Dual Shaft Slitter Rewinder

» Working width up to:	1600 mm // 63"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	600 m/min // 2000 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1000 mm // 39"

TR 2 | DS



The **Heavy-Duty** Dual Shaft Slitter Rewinder

» Working width up to:	2000 mm // 80"
» Rewind diameter up to:	800 mm // 31"
» Speed up to:	1000 m/min // 3280 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1270 mm // 50"

TURRET SOLUTIONS FOR THE FLEXIBLE PACKAGING INDUSTRY

Our turret solutions are designed to reach high production speed and together with the automatic change-over of the turret system, machines downtimes are drastically reduced (our solutions can restart in less than one minute). The result is increased productivity and an efficient production rhythm.

YOUR BENEFITS ARE:

- » No machine downtimes
- » Increase in productivity
- » No stop cycle
- » High quality of finished reels
- » Centre-driven

TR 4 | T



Technical data	
» Working width up to:	2000 mm // 80"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	1000 m/min // 3280 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1270 mm // 50"

The **Heavy-Duty** Turret Slitter Rewinder

Customized configurations are possible on request

RB 4 | T



The **Flexible** Turret Slitter Rewinder

» Working width up to:	2000 mm // 80"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1270 mm // 50"

RIBOSLIT 4 | T



The **Compact** Turret Slitter Rewinder

» Working width up to:	1600 mm // 63"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	600 m/min // 2000 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1000 mm // 39"

STATIONS SOLUTIONS FOR THE FLEXIBLE PACKAGING INDUSTRY

Our station slitter rewinders are designed to keep an optimal tension control of the web thanks to the double drum technology and to produce high dimension finished reels*.

*compared to dual shaft slitters

YOUR BENEFITS ARE:

- » Great flexibility
- » High safety standards
- » High speed
- » Perfect production quality

eXTRASLIT



Technical data	
» Working width up to:	3800 mm // 150"
» Rewind diameter up to:	1300 mm // 51"
» Speed up to:	1200 m/min // 4000 ft/min
» Minimum slitting width:	180 mm // 7"
» Unwind diameter:	1500 mm // 59"

The **Fully Electric** Slitter Rewinder for Flexible Packaging

Customized configurations are possible on request

TR 330



The **Secondary** Slitter Rewinder for Paper and Laminates

» Working width up to:	2650 mm // 104"
» Rewind diameter up to:	800 mm // 31"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	190 mm // 7.5"
» Unwind diameter:	1270 mm // 50"

TR 370



The **Special Center-Surface Technology** for Large Rolls and Semi-Rigid Materials

» Working width up to:	2850 mm // 112"
» Rewind diameter up to:	1500 mm // 59"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	500 mm // 20"
» Unwind diameter:	1500 mm // 59"

OTHER

RU 1



The **Multipurpose** Slitter Rewinder

» Working width up to:	1200 mm // 47"
» Rewind diameter up to:	1000 mm // 39"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	600 mm // 24"

TR 520



The **Slitter Rewinder** for Labelstock and Particular Applications

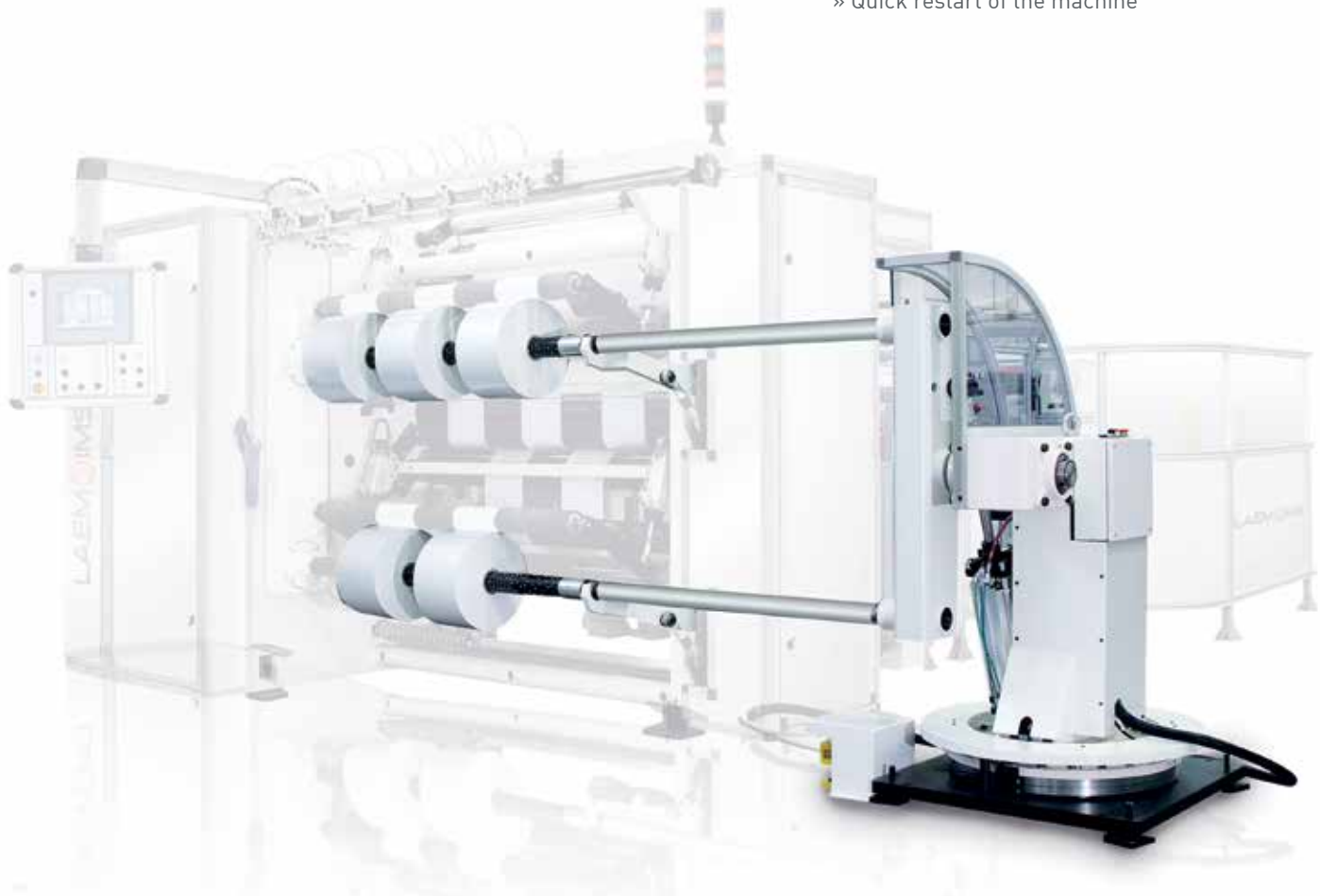
» Working width up to:	2100 mm // 83"
» Rewind diameter up to:	1270 mm // 50"
» Speed up to:	800 m/min // 2620 ft/min
» Minimum slitting width:	30 mm // 1.2"
» Unwind diameter:	1800 mm // 70"

SC DEVICES: MANUAL OR AUTOMATIC SOLUTIONS FOR REELS UNLOADING

Our SC devices have been developed to facilitate the unloading procedure of the finished reels, while functioning as a buffer allowing the operator to quickly restart the machine before packing the final product.

YOUR BENEFITS ARE:

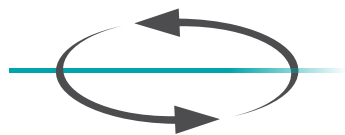
- » Operator friendly
- » Safe finished reels handling
- » Quick restart of the machine



SC 10 | SC



» Mono Axial rotation



SC 18 | SC



SC 20 | SC



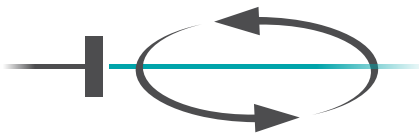
SC 30 | SC



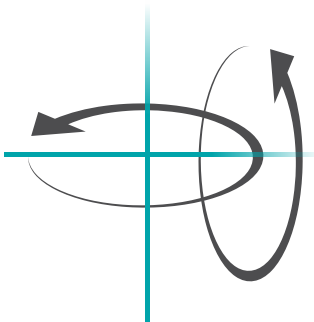
SC 55 | SC



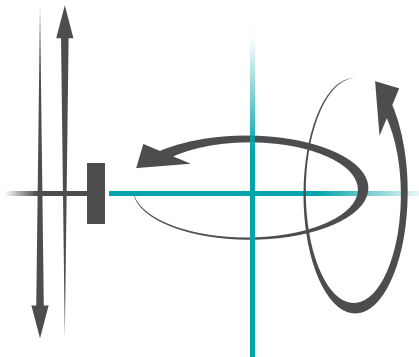
- » Mono Axial rotation
- » On board pusher



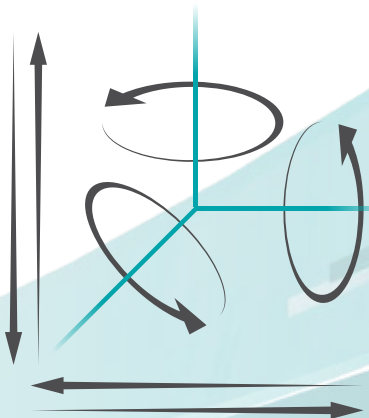
- » Bi-Axial rotation



- » Bi-Axial rotation
- » On board pusher
- » Up-Down movement



- » Tri-Axial rotation
- » Up-Down movement
- » Left-Right movement



INSPECTION AND DOCTOR MACHINES

Our VIS solutions are inspection machines that monitor the process and can recover bad reels or perform a post production quality check. These solutions allow us to guarantee the highest quality standards.

YOUR BENEFITS ARE:

- » Perfect production quality
- » Material waste reduction
- » Recover of alignment defects
- » Correction of printing mistakes thanks to the splicing table

VIS 100



Technical data

» Working width up to:	2000 mm // 79"
» Rewind diameter up to:	1000 mm // 39"
» Speed up to:	600 m/min // 2000 ft/min
» Unwind diameter:	1000 mm // 39"

Mono and Bidirectional Doctor Machine for **Wide Reels**

VIS 60



Mono and Bidirectional Doctor Machine for **Medium Reels**

» Working width up to:	800 mm // 31"
» Rewind diameter up to:	600 mm // 24"
» Speed up to:	600 m/min // 2000 ft/min
» Unwind diameter:	600 mm // 24"

DOC 120



Mono and Bidirectional Doctor Machine for **Narrow Reels**

» Working width up to:	600 mm // 24"
» Rewind diameter up to:	1200 mm // 47"
» Speed up to:	1000 m/min // 3280 ft/min
» Unwind diameter:	1200 mm // 47"

HANDLING SYSTEMS AND AUTOMATION

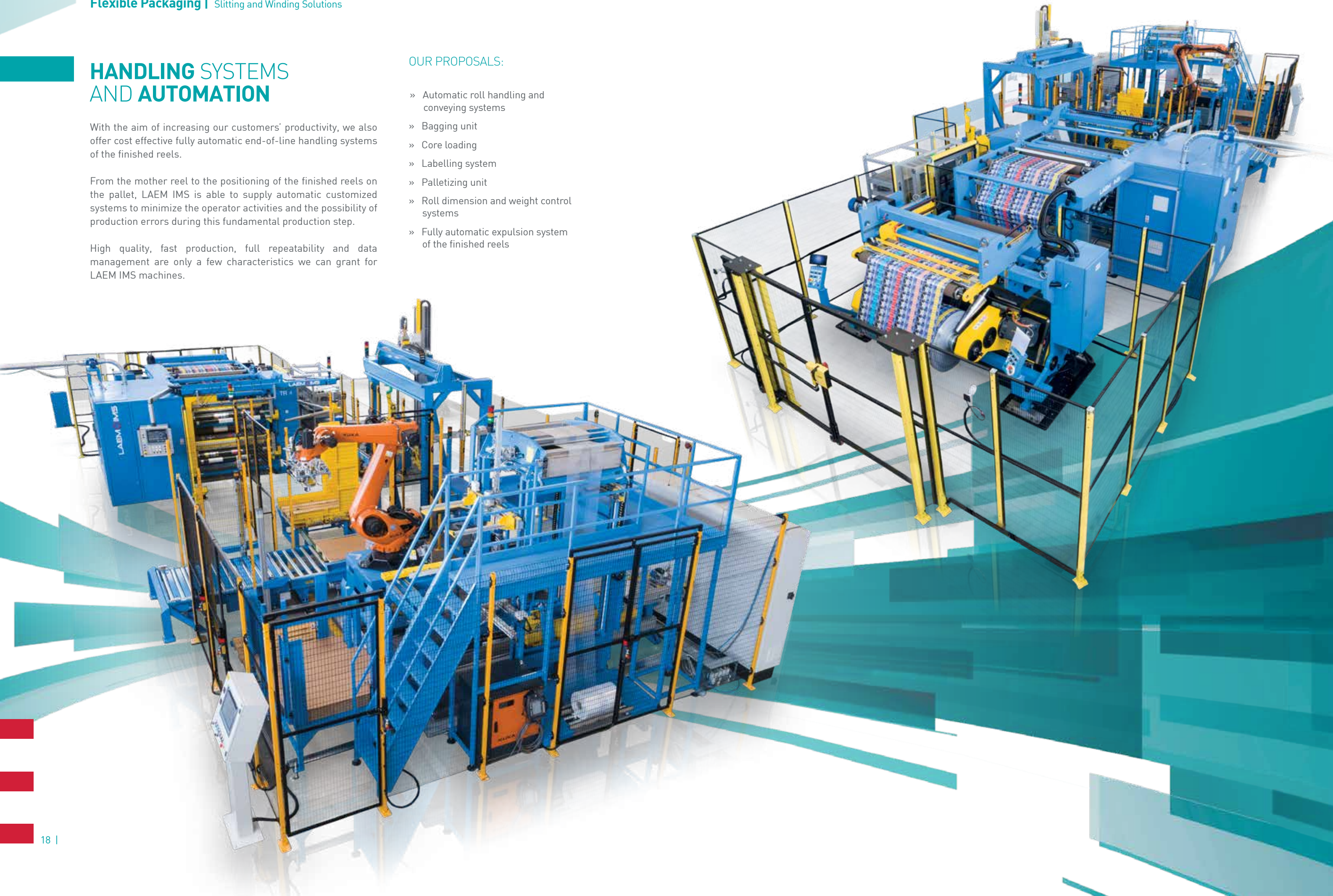
With the aim of increasing our customers' productivity, we also offer cost effective fully automatic end-of-line handling systems of the finished reels.

From the mother reel to the positioning of the finished reels on the pallet, LAEM IMS is able to supply automatic customized systems to minimize the operator activities and the possibility of production errors during this fundamental production step.

High quality, fast production, full repeatability and data management are only a few characteristics we can grant for LAEM IMS machines.

OUR PROPOSALS:

- » Automatic roll handling and conveying systems
- » Bagging unit
- » Core loading
- » Labelling system
- » Palletizing unit
- » Roll dimension and weight control systems
- » Fully automatic expulsion system of the finished reels



360° SERVICE PHILOSOPHY

**INCREASE MACHINE
LIFESPAN**

**REDUCE
COSTS**

**INCREASE PRODUCTIVITY
and EFFICIENCY**

**IMPROVE SAFETY
and RELIABILITY**

Choose technology and expertise from IMS TECHNOLOGIES, with more than 14000 machines installed around the world.
Ask about our solutions for efficiency, quality and profitability in converting the widest range of materials.

IMS TECHNOLOGIES engineers are always available to promptly provide worldwide support in multiple languages by remote assistance or with fast on-site service.

An efficient stock management system allows us to supply spare parts worldwide with reduced delivery times.

MAIA® is the Industrial IoT platform developed for IMS TECHNOLOGIES customers. Cloud-based MAIA® enables users to collect data from machines and visualize them through easy to use as well as highly representative dashboards. Furthermore, stored data is analyzed to detect long-term trends and facilitate maintenance.

Using advanced analytics and AI, MAIA® provides customers with several suggestions about machine settings, allowing optimized operations, enhanced efficiency and product quality, as well as the ability to implement new business models.



INDUSTRY 4.0

AFTER SALES SERVICES



BENEFITS:

- » Connect machines to a central management tool
- » Collect, monitor and analyze data in real-time
- » Gain insights to improve efficiency and profitability
- » Take advantage of apps and solutions able to solve real problems.



IMS TECHNOLOGIES

Born from the union of specialized, diversified companies, IMS TECHNOLOGIES is an international standard-setter in the engineering and manufacturing of high-tech customized machinery in multiple sectors such as Converting, Packaging, and other industries. Thanks to its extensive know-how and expertise and its long history, stretching back to 1851, IMS TECHNOLOGIES is able to develop solutions complying with the highest standards in terms of productivity, quality and precision and to offer them to the market through its world-renowned brands.



IMS TECHNOLOGIES is part of the Coeclerici Group, which is an international player in the raw materials supply chain management serving the steel and power generation industries for more than 120 years.
www.coeclerici.com



Our brands and solutions

3 Divisions	4 Brands
Converting	GOEBELIMS LAEMIMS
Packaging	ROTOMAC
Special Products	DELTAMOULD



Converting the future since 1851

1 Group | 3 Divisions | 4 Brands

www.imstechnologies.com

GOEBEL  **IMS**

www.goebel-ims.com

Slitter rewinders, automatic un-and winders and inspection machines for the **primary** and **converting** industries, able to process **film, paper** and board, **aseptic packaging, alufoil** and **nonwoven**

LAEM  **IMS**

www.laem-ims.com

Dual shaft, turret, station and compact slitter rewinders, inspection machines and highly automated machinery for **flexible packaging**, film, paper and laminates

ROTOMAC

www.rotomac.it

Rewinding, embossing and **packaging** machinery for food wrapping in aluminium foil, film and baking paper

DELTAMOULD

Low pressure, gravity and die-casting **moulds** for aluminium alloy components

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