

TR SERIES

TR 2 – TR 4

Heavy-Duty Slitter Rewinders

Flexible packaging materials



CUTTING EDGE
TECHNOLOGY

LAEMOIMS
A BRAND OF IMSTECHNOLOGIES

TR SERIES



PERFECT REWINDING CONDITION

The **TR 2** and **TR 4** are the heavy-duty slitter rewinders of LAEM IMS. The TR 2 is the **dual shaft** version of the machine, and it is recommended when the finished reels have larger outside diameters and larger rewinding web widths. Its process area is mounted on additional frames that move backwards on linear guides during the rewinding procedure, therefore minimizing the distance between the slitting and the rewinding point and maintaining it constant throughout the winding cycle.

Based on the same functional and structural features of the TR 2, the TR 4 is additionally equipped with a **turret system** and automatic change of the finished rolls. The turret indexing, finished reel extraction and unloading cycles are synchronized to keep high production rates and drastically reduce downtimes. Both machines are extremely robust and can process materials at high speed of up to 1000 m/min, ensuring the quality of the finished reels while drastically increasing the productivity and efficiency of the slitting operation.



ULTIMATE SLITTING TECHNOLOGY

Slitting with razor blades or circular knives is available to perform different slitting methods: in air, tangent, half wrapped or wrapped. The fully automatic positioning of slitting stations and counter knives ensures a more flexible slitting activity.



S-WRAP DRAW ROLLER

The main "S"-wrap draw roller guarantees a very wide wrap angle around it. Together with the nip roller, it ensures the most stable and precise handling of the web material at high speeds.



EASY UNLOADING

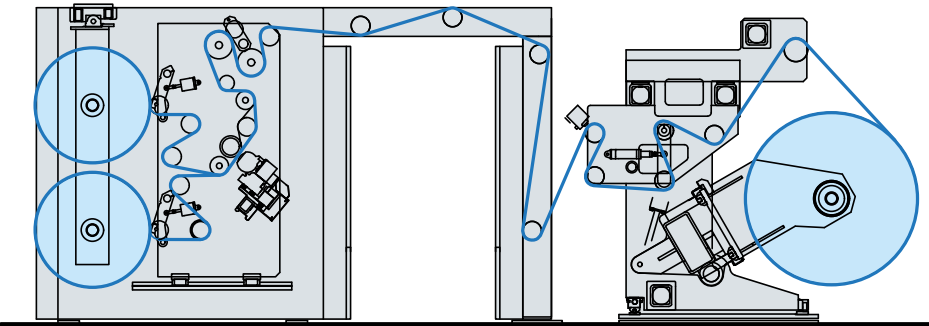
Unloading of the finished reels is safe and quick thanks to automatic reels extractor and SC unloader receiving tree, which can be manual, semi automatic or fully automatic for integration with automatic reel handling system.

HEAVY-DUTY MACHINES

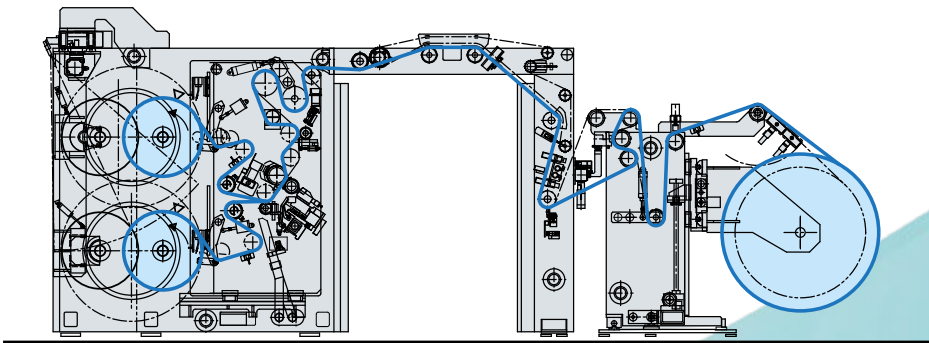
Technical specifications	TR 2	TR 4
» Mother reel web width up to:	2000 mm // 80"	2000 mm // 80"
» Max unwinding diameter	Max. 1270 mm // 50" Min. 450 mm // 17.7" (automatic lifting)	Max. 1270 mm // 50" Min. 450 mm // 17.7" (automatic lifting)
» Mother reel weight up to:	3000 kg	3000 kg
» Maximum diameter of finished reels:	800 mm // 31.5" (Twin Shaft)	600 mm // 23.6" (Turret)
» Minimum slitting width:	80 mm // 3.2" for 6" shafts 40 mm // 1.6" for 3" shafts	80 mm // 3.2" for 6" shafts 40 mm // 1.6" for 3" shafts
» Speed up to:	1000 m/min // 2625 ft/min	1000 m/min // 2625 ft/min
» Web direction:	Right-side or Left-side	Right-side or Left-side

SPECIAL FEATURES & OPTIONS

- » Hydraulic-free machine
- » Shaftless unwinder predisposed for retractable vacuum splicing table
- » Pick-up of mother roll from pallet or from the ground
- » Motorized web guide
- » Customized slitting system, available with full automatic positioning
- » Automatic cross cut of finished reels
- » Horizontal lay-on rollers on movable frames
- » Four rewinding shafts on turret allowing automatic changeover for non stop production
- » Motorized laser beams for quick cores positioning
- » Predisposition for automatic closure of finished reels and new cores gluing



TR 2 layout



TR 4 layout

NEXT GENERATION REWINDING SHAFTS

The rewinding tension is accurate and of high quality, thanks to the new generation friction shafts, available in 3" and 6".

GOEBELIMS

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**, **aluminum foil** and **nonwoven**

LAEMIMS

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

360° Service Philosophy

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

Industry 4.0



MAIA® is the Industrial IoT platform developed for IMS TECHNOLOGIES customers. Using advanced analytics and AI, this cloud-based platform allows to collect, monitor and analyze data from machines in real-time, to optimize operations, thus increasing efficiency and enhancing product quality.

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