

TR SERIES

TR 2 - TR 4

Converting has never been
so **powerful**

Mono- and bi-oriented films » Laminates » Paper



CUTTING EDGE
TECHNOLOGY

LAEMOIMS
A BRAND OF IMSTECHNOLOGIES

170
1851
2021
PIONEERING
YEARS

TR 2: power slitter

PERFECT REWINDING CONDITION

“Linear track technology”

The entire process area of the machine is mounted on additional frames that move backwards on linear guides during

the winding procedure, minimizing the distance between the slitting and the rewinding point while maintaining it constant throughout the winding circle.

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 in full automatic positioning



EFFICIENCY AT FULL POWER

TR 2 is available with dual shafts configuration. This sturdy and robust model is recommended when the finished reels have larger outside diameters and larger rewinding web widths or even when the handling of special materials, such as paper or label stock with sophisticated slitting method, is required.



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".

TR 4: top slitter

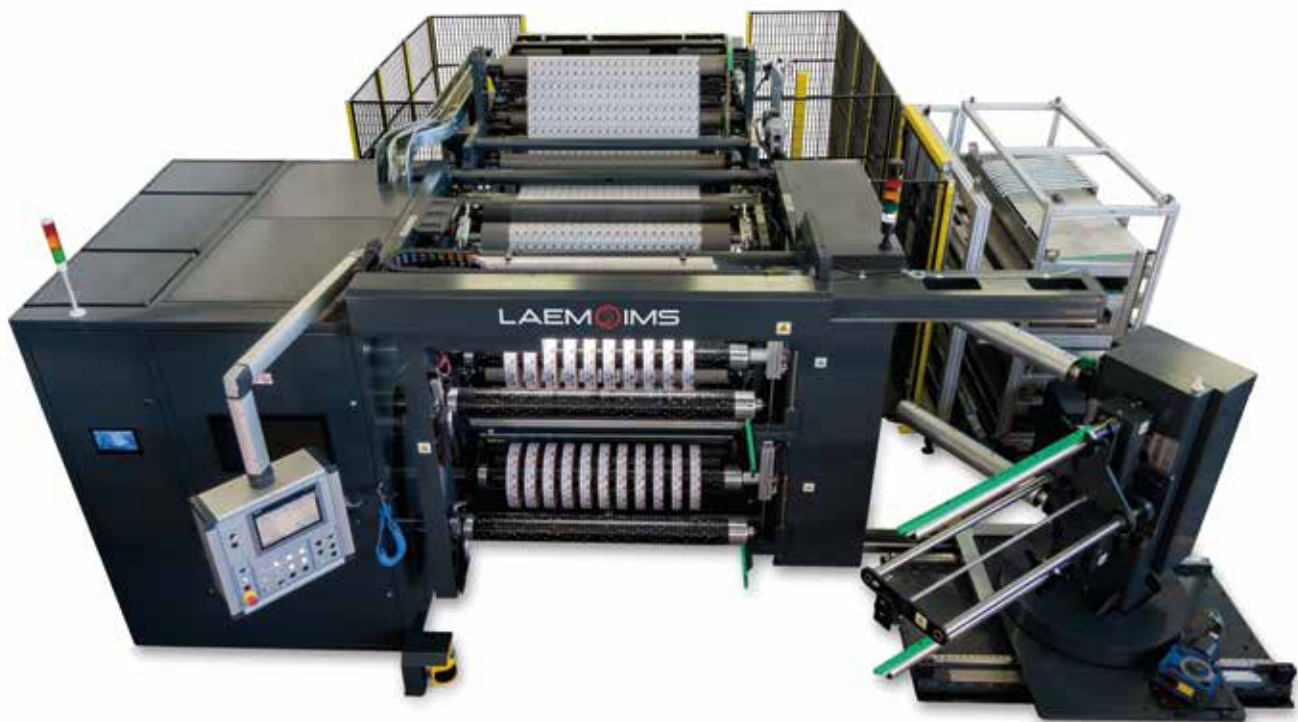
TOP LEVEL QUALITY AND FULL SPEED PRODUCTION

The TR 4 for converters has been redesigned to set the LAEM IMS's standard in terms of performance, productivity and quality. The machine is extremely robust and has been designed to work at high speeds around the clock, 7 days a week, granting the quality of finished rolls while drastically

of the slitting operation. The turret indexing, finished reel extraction and unloading cycles are synchronized to keep high production rates and reduce downtimes to an abuse minimum. Moreover, automatic positioning of cutters and counter-cutters allows changing jobs several times a day

SPECIAL FEATURES & OPTIONS

- » Automatic cross cut of finished reels
- » Horizontal lay on rollers on movable frames
- » 4 rewinding shafts on turret for automatic changeover for non stop production
- » Motorized laser beam for quick cores positioning
- » Predisposition for automatic closure of finished reels and new cores gluing



S-WRAP DRAW ROLLER

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



ULTIMATE SLITTING TECHNOLOGY

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



EASY UNLOADING

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

TR SERIES

HEAVY DUTY MACHINE

Technical specifications	TR 2	TR 4
» Mother reel web width up to:	1800 mm // 71"	1800 mm // 71"
» 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:	800 m/min // 2625 ft/min	800 m/min // 2625 ft/min
» Web direction:	Right-side or Left-side	Right-side or Left-side

Systems and technologies



Dual-shaft system



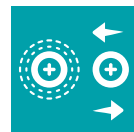
High speed productivity



Turret system



High speed productivity



Perfect rewinding conditions



Auto unloading



Perfect rewinding conditions



Auto unloading

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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