



VINSAK

IML DIE-CUTTER

350 | 450 | 550 MM

VINSAK IML DIECUTTER

Precision. Productivity. Performance into the In-Mould Label Die-Cutting & Stacking

The new **VINSAK USAR IML DIECUTTING** is a state-of-the-art cutter and sheeter engineered specifically for in-mould label (IML) production. Built with precision and flexibility at its core, the machine combines servo-driven rotary die cutting technology with advanced automation to deliver high-quality, efficient, and cost-effective label finishing.

Designed to handle a wide range of substrates—including IML, Un-supported films, Paper etc. **VINSAK USAR IML DIECUTTING** offers converters superior accuracy, modularity, and productivity. Its intelligent web-handling system, electronic web guiding, and programmable controls ensure smooth operations, while the modular die-cutting units and conveyor stacker make it highly adaptable to different production demands.

Technical Specifications

Unwinder Unit

- Web Width Maximum: 350 mm / 450 mm / 550 mm
- Web Width Minimum: 150-180 mm
- Pneumatic 76 mm unwind mandrel
- Maximum Unwind Diameter: 700mm
- Substrate Thickness: 50-250 micron (IML, Un-supported films, Paper etc.)
- Maximum Roll Weight: 200-250 Kg
- Programmable end-of-roll stop and unwind brake control (no follower arm)
- Electronic Web Guide (BST / Maxcess) with ultrasonic sensor for opaque & clear substrates

Servo-Controlled Rotary Die Cutting

- Rotary Die Cutting Modules: 10"-24" / 16"-40" (depending on model)
- Servo Re-registration system
- Anvil cylinder & support roll
- Magnetic cylinders (customized as per customer; compatible for your web press 10"-24")

Additional Features

- Matrix stripping section with air mandrel & break sensor
- Die load cells (2 per module)
- Antistatic bars (2-4 depending on model)
- Die Cutting Speed: Up to 60 m/min (depending on label shape & substrate)
- Accuracy: ± 0.5 mm
- Print Mark Requirement: 4 mm x 8 mm on white background

Conveyor & Stacker

- Maximum Stacking Height: 150 mm
- Sheet Length: 50-609 mm
- Number of Stream: 4
- Optional upgrades: fully automatic stacker system

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