

Delivering Accuracy Ensuring Consistency



PROFOIL 105SF

HOT FOIL STAMPING MACHINE

Precision-driven foil stamping built for production efficiency

Profoil 105SF



PROFOIL 105SF is a high-speed fully automatic foil stamping machine, engineered for precision conversion of paper, cardboard, and corrugated board in demanding packaging production environments.

Designed for stable continuous operation, it integrates a high-performance feeder and an optimized gripper bar and guide rail structure to ensure consistent sheet transport at speeds of up to 7,500 sheets per hour, with positioning accuracy within ± 0.075 mm.

The machine processes materials ranging from 90 to 2,000 gsm cardboard and corrugated board up to 4 mm thickness, supported by a maximum working pressure of 400 tons, enabling reliable performance across a wide range of packaging applications.

Built on over 30 years of industrial post-press engineering experience, and enhanced with updated structural and automation design, Profoil 105SF is developed to meet the increasing demands for higher productivity, precision consistency, and operational stability in modern folding carton production.

Excellent performance

Powerful, stable and versatile



Precision

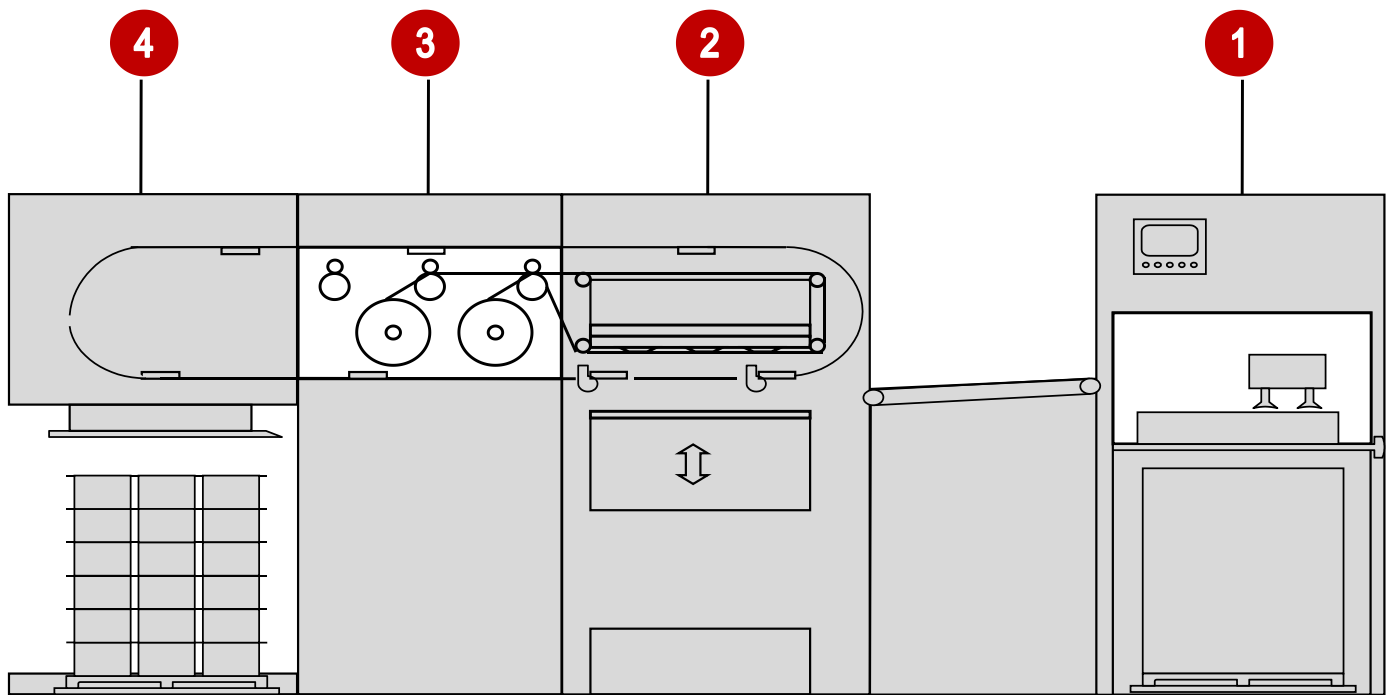
- Foil-stamping accuracy $\leq \pm 0.075\text{mm}$.
- Servo-driven feeding system ensures accurate and stable sheet positioning.
- World-class machining center combined with manual scraping: ensures the fit and operational precision of core components

Efficiency

- Optimized control panel design for easier operation.
- Human-machine interface (HMI) ensures fast response and easy parameter setting.
- **1,700mm** feeding height and **1,450mm** delivery height reduce the frequency of paper pile changes, lowering labor requirements and saving time.

Capability

- Up to **7,500** sheets per hour with non-stop feeding and delivery.
- Suitable for materials ranging from **90** up to **2,000 g/m²**.



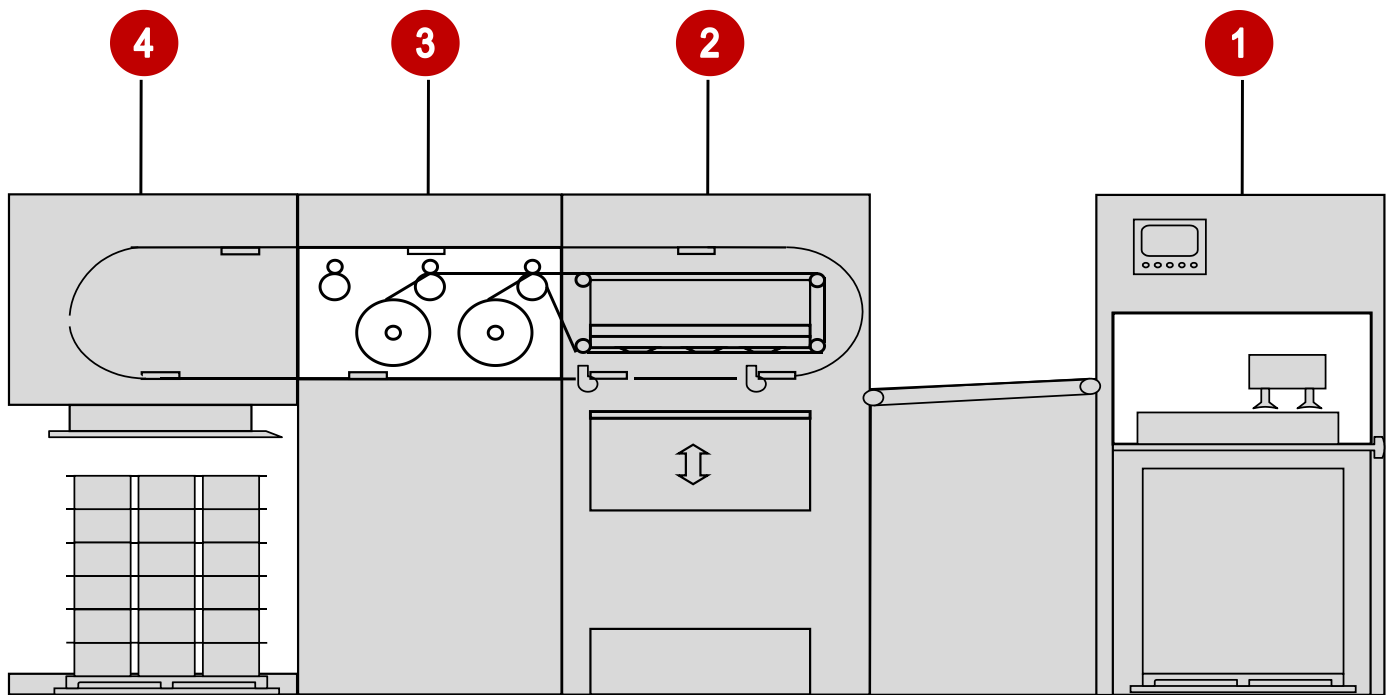
The machine shown is a sample configuration.

1 Non-Stop Feeder

- 1,700mm feeding height
- Non-stop feeder for continuous pile change
- Suction head for paper, cardboard and corrugated board
- Mechanical double-sheet detection system
- Inclined feeding table for controlled and smooth sheet feeding
- Operator and drive-side pull/push side lay
- Becker vacuum pump system

2 Hot Foil Stamping Station

- Servo-driven infeed position adjustment
- The most precise and stable stamping force available
- Honeycomb chase for precise positioning of dies
- Digital pressure control system
- Automatic chain lubrication system
- Cooling circulation system
- Long-lasting gripper bars for higher production output



The machine shown is a sample configuration.

3 Foil Feeding Station

- 3 longitudinal and 2 transversal foil feeding shafts for high flexibility in complex foil-stamping layouts
- Intelligent foil feeding program for efficient utilization and reduced material waste
- Standard rewinder for efficient foil disposal
- Stamping dies pre-setting system with camera alignment(option)
- Chase changer (option)
- Hologram foil stamping system (option)

4 Non-Stop Delivery

- 1,450 mm delivery height
- Sheet brake brush
- Non-stop rolling carpet
- Tape inserter(option)
- Camera for delivery monitoring (option)

Technical Parameters

Processable Materials

Profoil 105SF

Paper, min.	90 g/m ²
Carton or Solid Board, max.	2,000 g/m ²
Corrugated Board	≤ 4mm

Capability

Max. Sheet Size	1,050×750 mm
Min. Sheet Size	400 ×360 mm
Max. Die-Cutting Size	1,040×730 mm
Max. Foil-Stamping Size	1,040×730 mm
Max. Die-Cutting Pressure	400 Tons
Max. Machine Speed	7,500 Sheets per hour
Accuracy	≤±0.075 mm

Hot Foil Stamping

Temperature	40°C–180°C
Foil Feeding Shafts	3 Longitudinal, 2 Transversal
Foil Reel Diameter (Longitudinal)	250mm
Foil Reel Diameter (Transversal)	250mm
Foil Width	20-1,040mm

Pile Height

Max. Pile Height at Feeder	1,700 mm
Max. Pile Height at Delivery	1,450 mm

Features and Benefits



SPEED

7,500 Sheets per Hour

High-Speed Performance



MECHANICAL POWER

400T

Working Pressure

Effortlessly Handles a Wide Range of Materials with Consistent Precision



FOIL FEEDING

3 Longitudinal
2 Transversal **+**
As Standard

■ Maximum Pile Height of

1,700 mm

at Feeding Station

Reduces Sheet Changeover Frequency and Improves Overall Efficiency

SPECIALIZED CAPABILITIES

Foil-Stamping with

Optional Hologram System

Capable of Handling a Wide Range of Materials and Applications

AUTOMATION & LOGISTICS

Optional

Fully Integrated Logistics System

For Seamless End-to-End Production

MATERIAL HANDLING

Processed Materials as thin as **90** g/m²

Publishing Information

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