



Rotogravure Printing Machine



**Force for the Future,
Light up Your Sight.**

In this fast changing of flexible packaging market. Many packaging products have been transformed into a small variety of production trends. Worldly has solutions for users: The electric line shaft system allow to pre-prepare next job at idle units during production, also shorten the start up time. Shaft-less design of the ink trolley group, sleeve type impression

roller and the tool-less doctor blade design help shorten the changeover time. Besides, printing quality also improved thanks to the ink furnisher roller device. The heat recycling system provide optimum energy saving. Worldly paid attention on every customer’s demands, and customized equipment to satisfy the market trend.

General Specifications

Machine Model	WRP-AS Series		WRP-MV Series	WRP-HI Series	WRP-HHI Series	WAP Series
Substrate	PET, PET, BOPP, CPP, CPP, LDPE, Nylon, Alu-Foil, Paper					Alu-Foil
Web Width	600 mm / 1000 mm / 1300 mm / 1600 mm					600-1000 mm
Cylinder Circumference	350 - 900 mm (Option above 1000 mm)					
Number of Colors	1 - 12 Colors					
Line Speed	200 m/min	250 m/min	300 m/min	350 m/min	150 m/min	
Drive Type	Mechanical Line Shaft (MLS) or Electronic Line Shaft (ELS)					
Unwind Diameter	Ø600 mm / Ø800 mm / Ø1000 mm					Ø600 mm
Rewind Diameter	Ø600 mm / Ø800 mm / Ø1000 mm					Ø600 mm
Drying Source	Electric Heater / Gas Burner / Thermic Fluid / Steam					
Option Structure	Straight Type / Split Type / In-line Coating or Lacquering Unit					

* All pictures and technical specifications are for reference only.

Product List



Flexible Food Packaging



Shrink Label



PE Shopping Bag



Foil (Pharmaceutical)



Foil (Food & Lidding)



In Mold Labeling



Paper (Wall Paper)



In-print Application (Security Label)



Baby Dipper / Sanitary

Standard Flexible Rotogravure Printing Machine

WRP-AS Series

Standard Features

- Auto registration controller
- Web video
- Ink bar

Options

- Viscosity controller
- Ink furnisher roller
- Turn bar
- Pre-heat chamber

Specifications

Model	WRP-AS
Maximum Machine Speed	200 m/min
Printing Speed	180 m/min
Web Width	600 mm / 800 mm / 1000 mm / 1300 mm
Material Diameter	Ø600 mm / Ø800 mm / Ø1000 mm

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High Productivity Rotogravure Printing Machine





WRP-MV Series

Standard Features

- Quick change doctor blade
- Ink furnisher roller
- Heat recycling system

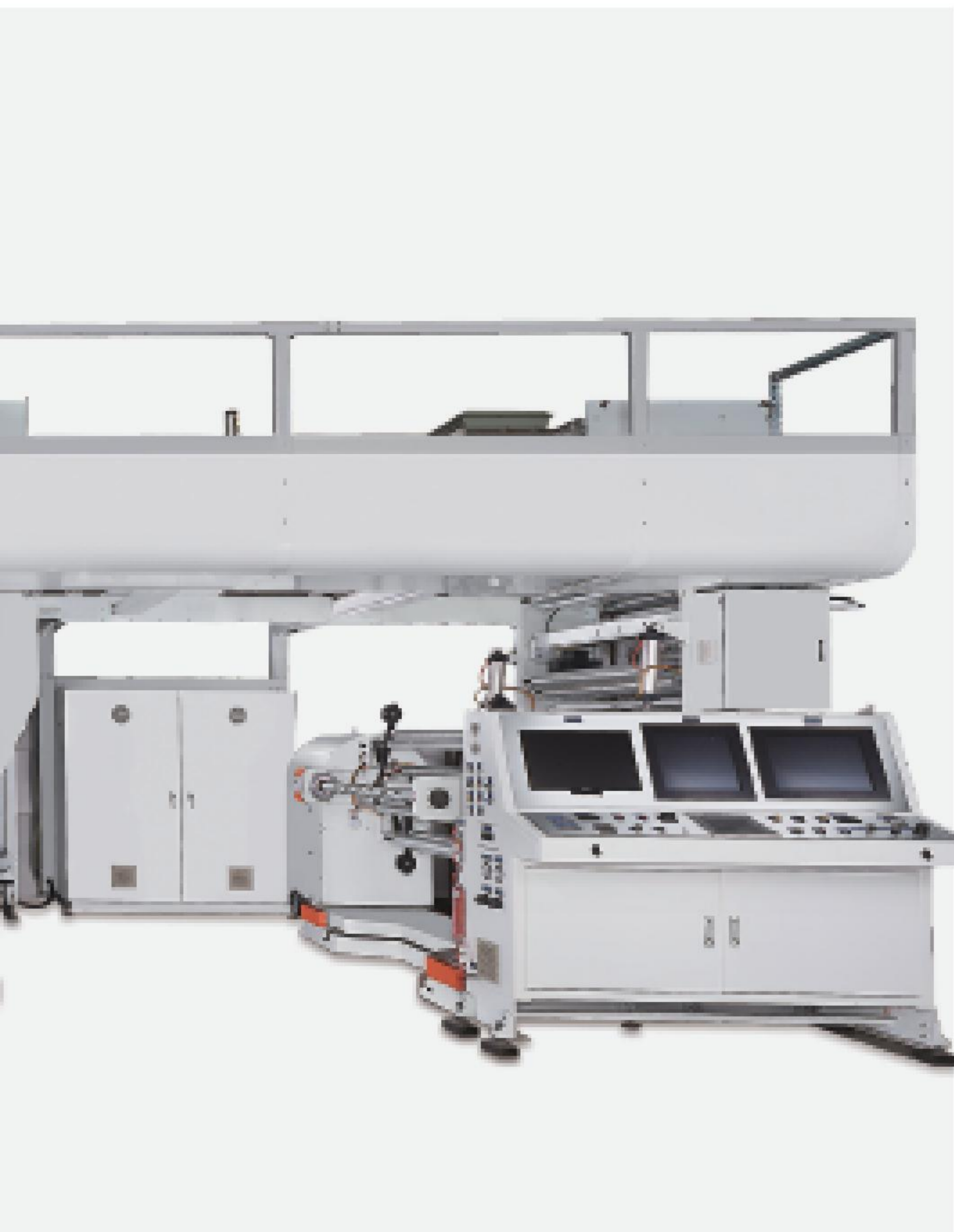
Options

- Viscosity controller
- 100% auto defect inspection device
- Turn bar
- E.L.S system

Specifications

Model	WRP-MV
Maximum Machine Speed	250 m/min
Printing Speed	230 m/min
Web Width	800 mm / 1000 mm / 1300 mm
Material Diameter	Ø600 mm / Ø800 mm / Ø1000 mm

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Computerized High Speed Rotogravure Printing Machine

WRP-HI Series

Standard Features

- Quick change doctor blade
- Ink furnisher roller
- Unwind central splicer
- Rewind tracking roller device

Options

- Viscosity controller
- 100% auto defect inspection device
- Turn bar
- E.L.S system

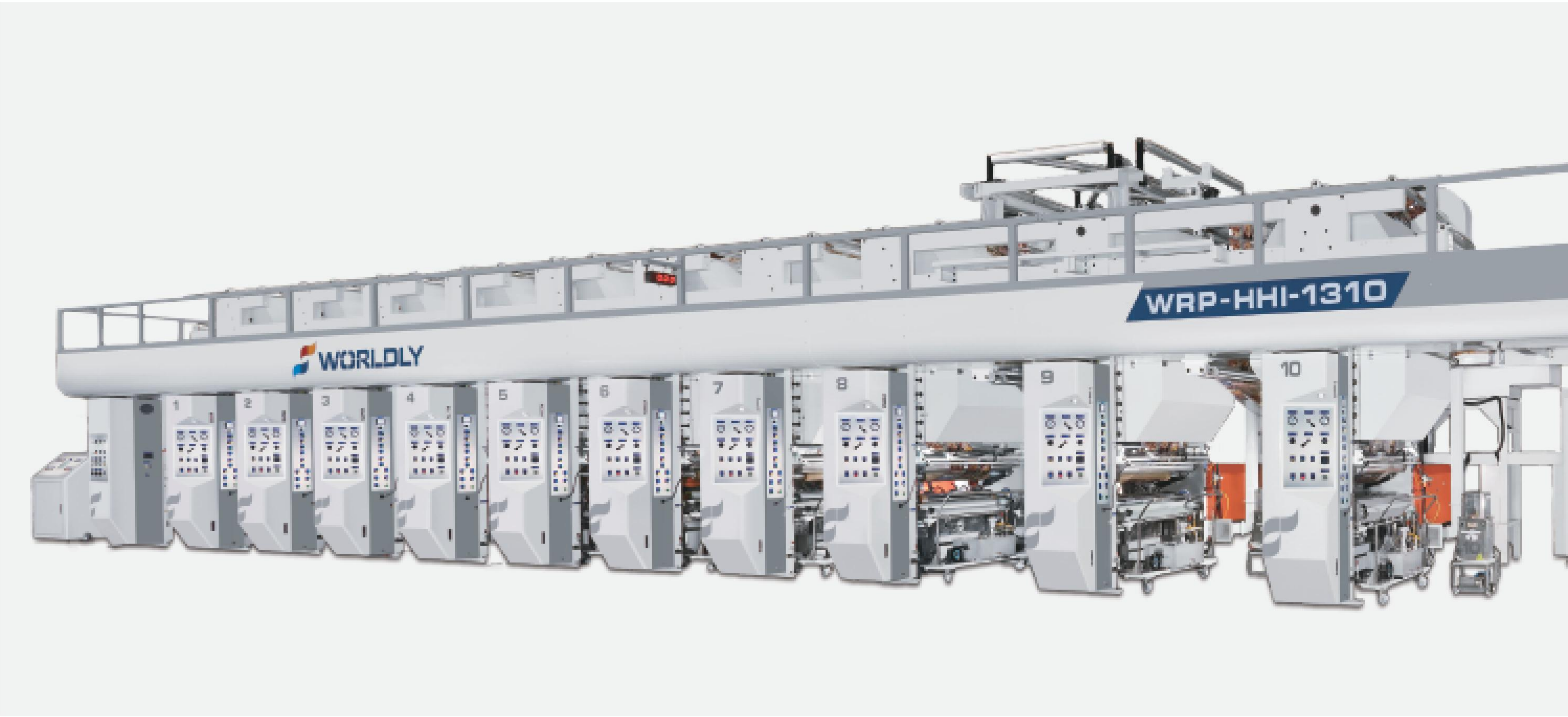
Specifications

Model	WRP-HI
Maximum Machine Speed	300 m/min
Printing Speed	280 m/min
Web Width	800 mm / 1000 mm / 1300 mm
Material Diameter	Ø800 mm / Ø1000 mm

* All pictures and technical specifications are for reference only.



E.L.S High Speed Rotogravure Printing Machine





WRP-HHI Series

Standard Features

- Quick change doctor blade
- Ink trolley system
- Ink furnisher roller
- E.L.S system

Options

- Viscosity controller
- 100% auto defect inspection device
- Sleeve type impression roller
- Shaft-less unwind / Rewind

Specifications

Model	WRP-HHI
Maximum Machine Speed	350 m/min
Printing Speed	330 m/min
Web Width	800 mm / 1000 mm / 1300 mm
Material Diameter	Ø800 mm / Ø1000 mm

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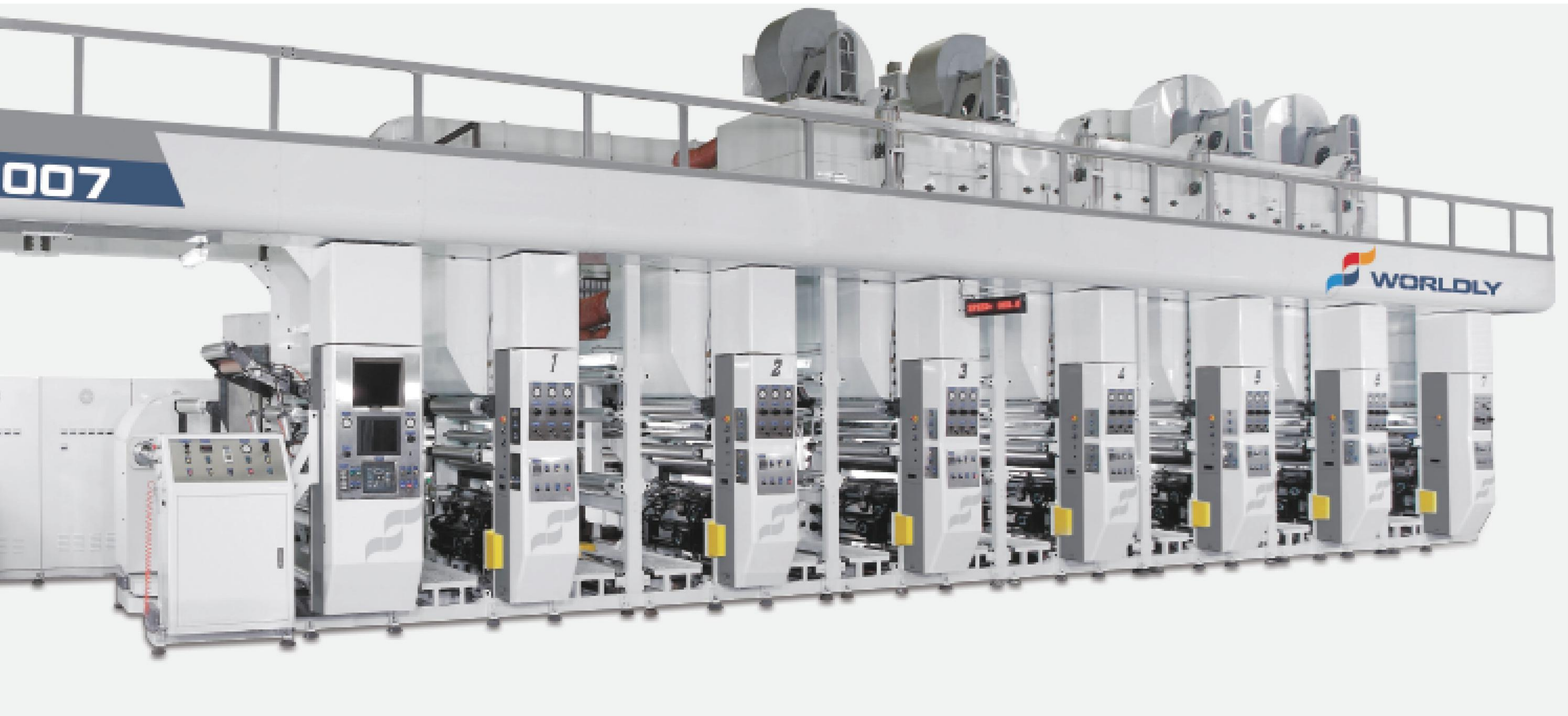
Alu-Foil ELS Rotogravure Printing Machine

Aluminum foil is most costly material and easy shaping character compare to plastic. The foil gauge, drying temperature and tension operation parameters also different from films. We concerned in many points of view and designed a machine WAP series which specially to handle foil printing. This machine adapted with latest Germany registration and ELS drive system in order to gain quick color registration response and save the wastage. To prevent the wrinkle generate while the machine running, in every station has parallel adjustment device to ensure the foil has good balancing can be smoothly passed through every roller from unwind to rewind unit. All rollers in the machine has special hardening treatment to avoid the roller surface wear and tear after long run. The last station also available for lacquering and heat seal coating function. The coating unit along with 10m drying chamber on top of machine to provide more proper drying and curing.



Alu-Foil 4 Color Rotogravure Printing Machine





WAP Series

Standard Features

- Auto registration controller
- Web video
- Ink bar

Options

- Viscosity controller
- E.L.S system
- Ink furnisher roller

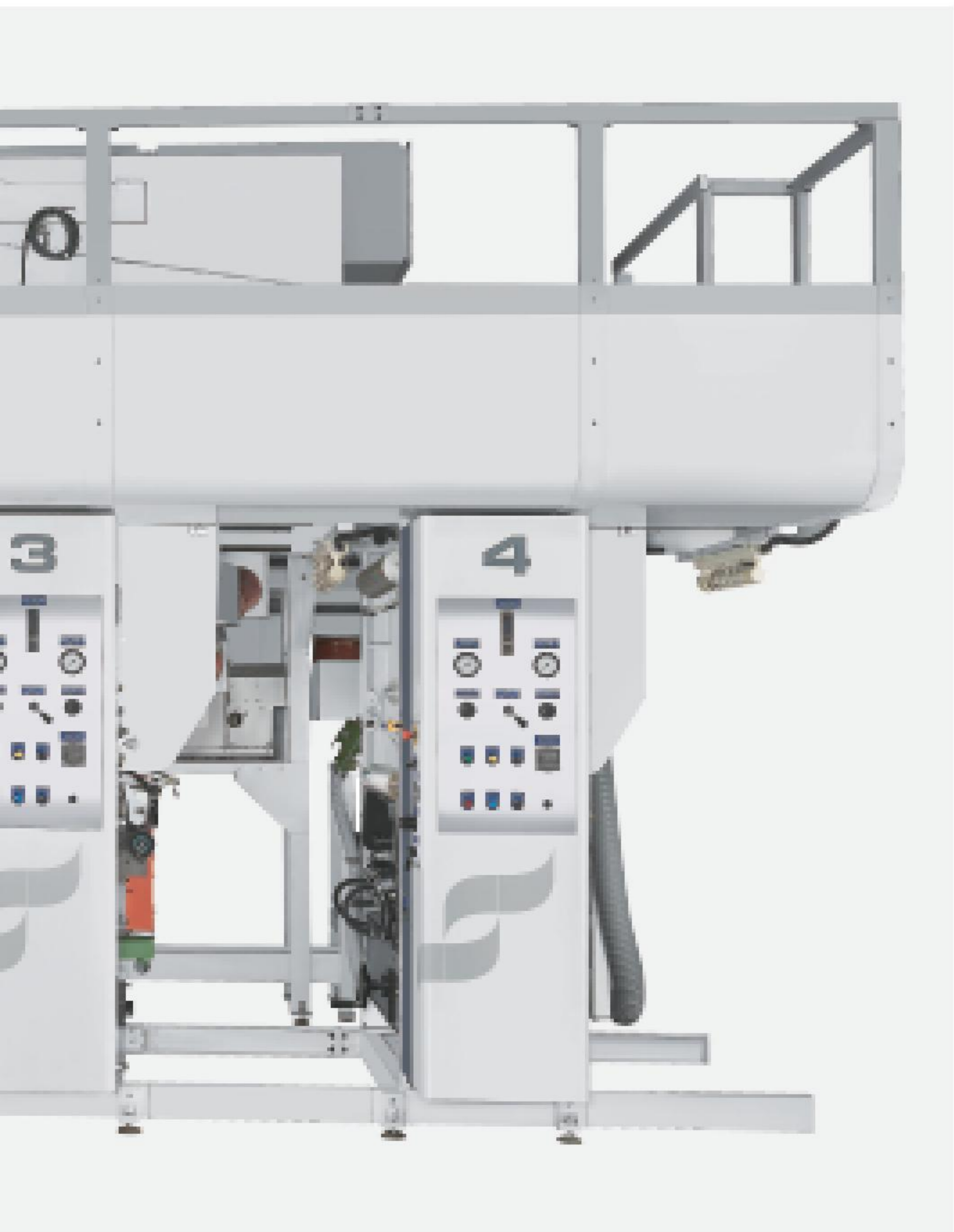
Application

PET, BOPP, Aluminum foil

Specifications

Model	WAP
Maximum Machine Speed	150 m/min
Printing Speed	130 m/min
Web Width	600 mm / 1000 mm
Material Diameter	Ø600 mm

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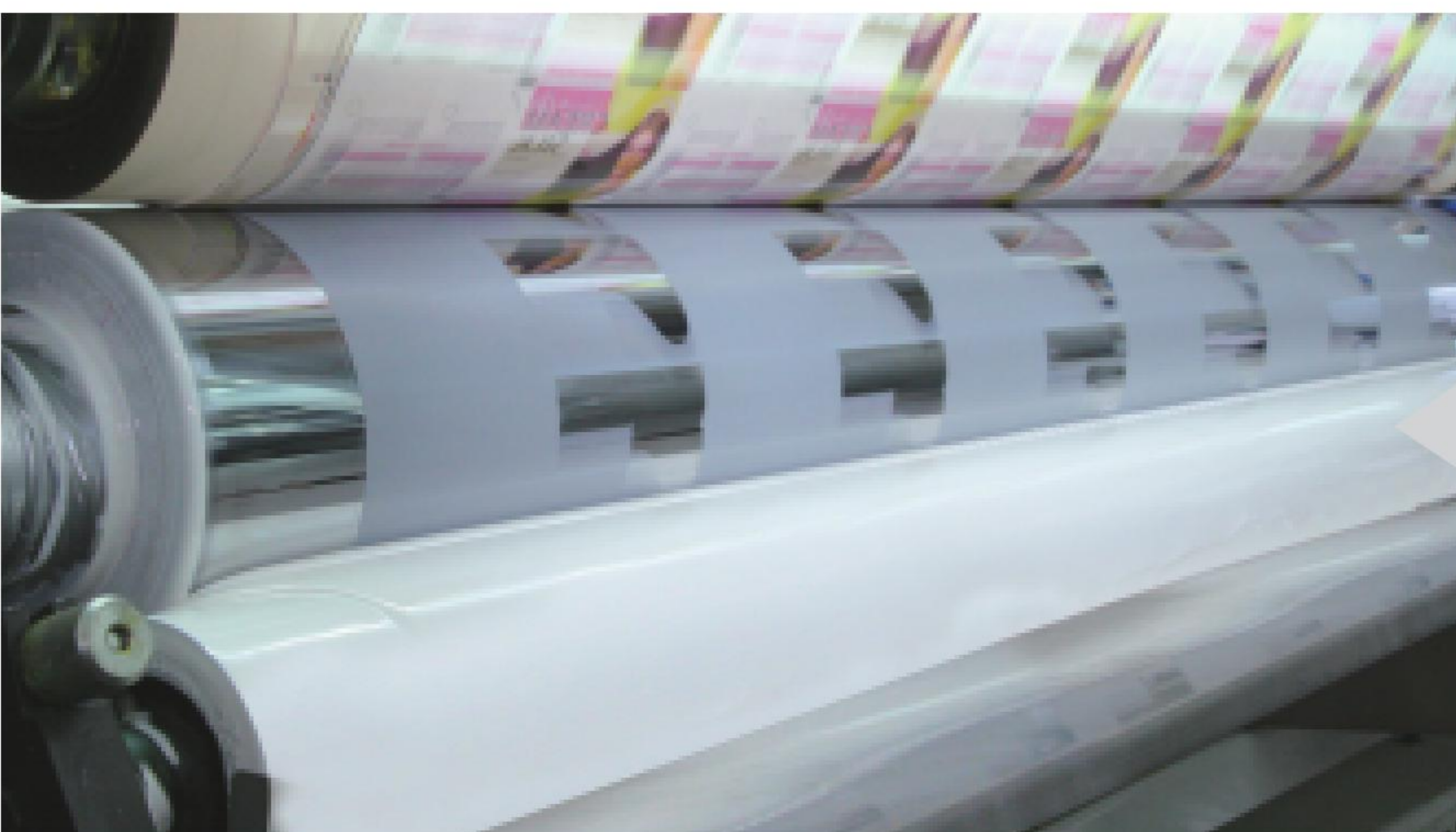


Doctor Blade Group

The solid design of doctor blade operates in 3 positions. Various movements can fast reach in any printing point. It works in low pressures to optimizing blade & printing cylinder life. Tool less blade holder design allows quick changing the doctor blade.

Impression Roller Assembly

The sleeve type impression roller with rubber covered fiberglass sleeve, it's light weight and easy for carrying when job changing. Also more save and comfort when loading the impression roller. It allows operator to reducing the replacement time.



Ink Furnisher Roller

The ink furnisher roller covered with solvent resistant grade rubber. It has driven by individual motor and can manual control or automatic synchronized with the line speed. Furnisher roller optimized the ink circulation also halftone printing result.

Ink Group Trolley System

The ink group consists of ink tray with splash guard, ink pump & mixer, furnisher roller along with drive. All facilities in one unit, so one operator can easily manage the operation. To loading / unloading, it's possibility to move the cylinder and inking system at same time or separately.



Drying Chamber

The drying length and nozzles with high efficiency drying capacity design and well measurement of airflow. Internal chamber has well balancing of pressure, so the film can be steady passed through the dryer without turbulence. The hood can be opened/closed to allow access for cleaning and maintenance.

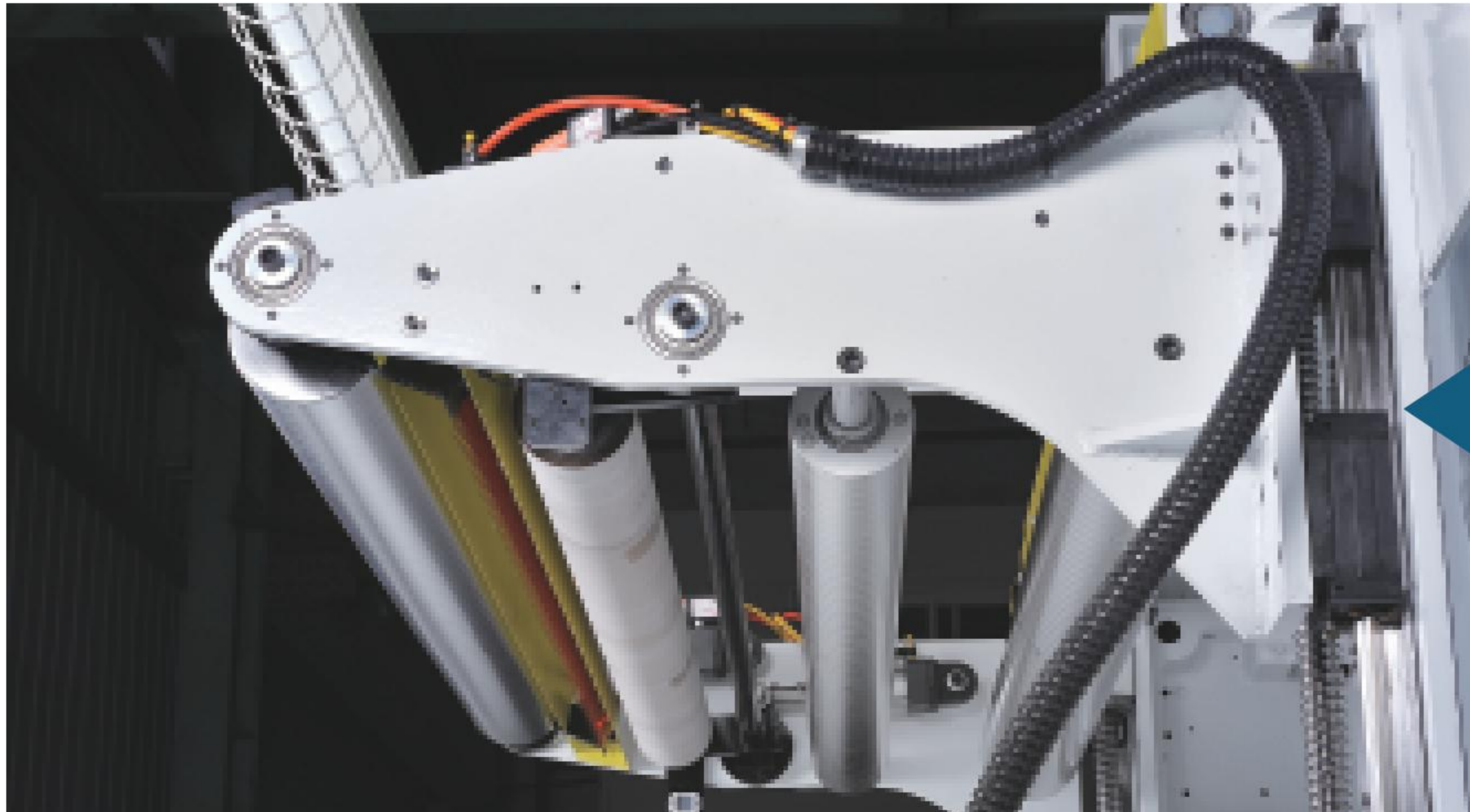
Ventilation System

The ventilation module provide optimum heat energy saving. The damper has well settled of supplied fresh air and recycled exhaust air. It ensures significant of power consumption saving. The heating source available with electric, gas burner, thermic fluid and steam system.



Unwind Central Splicer

Unwind splicer composed of linear guide rail and motor driven. It has precise positioning and allows to splicing any size of loading roll. If you have many various diameter of non-finished roll, you can constantly splice the material without stop the machine.



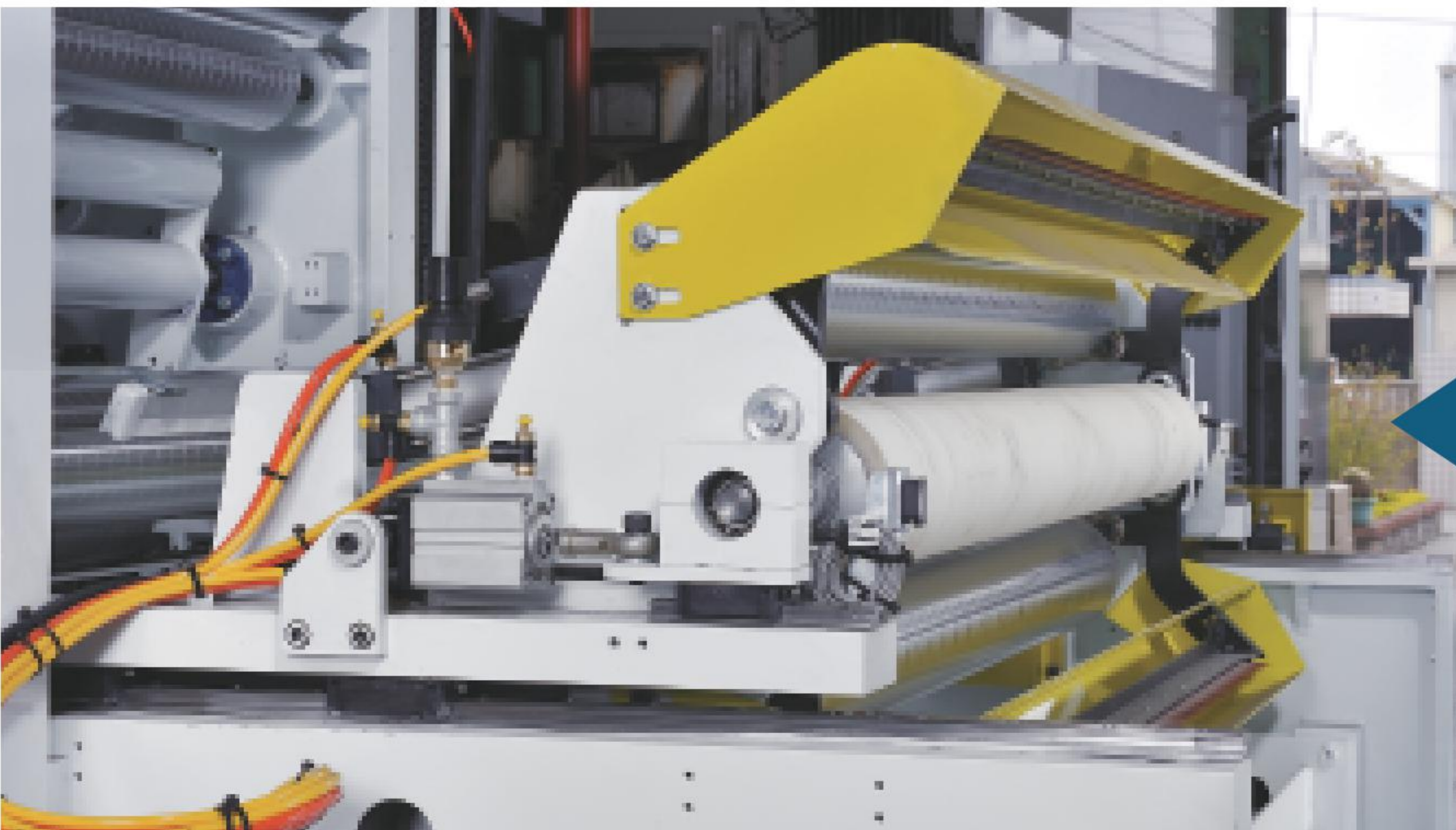
Central Operation Interface

The control console integrated with web video, auto registration system, main machine operating HMI. The operator can fully control each parameter and settings of current job. Also available for memorize/re-call when do repeat job.



Rewind Splicing Group

Rewind splicer consists of linear tracking roller. According to different of substrates, operator can choose gap/touch mode on tracking roller to ensure uniform and straight winding result. The lay-on roller also available work on rewind reel.

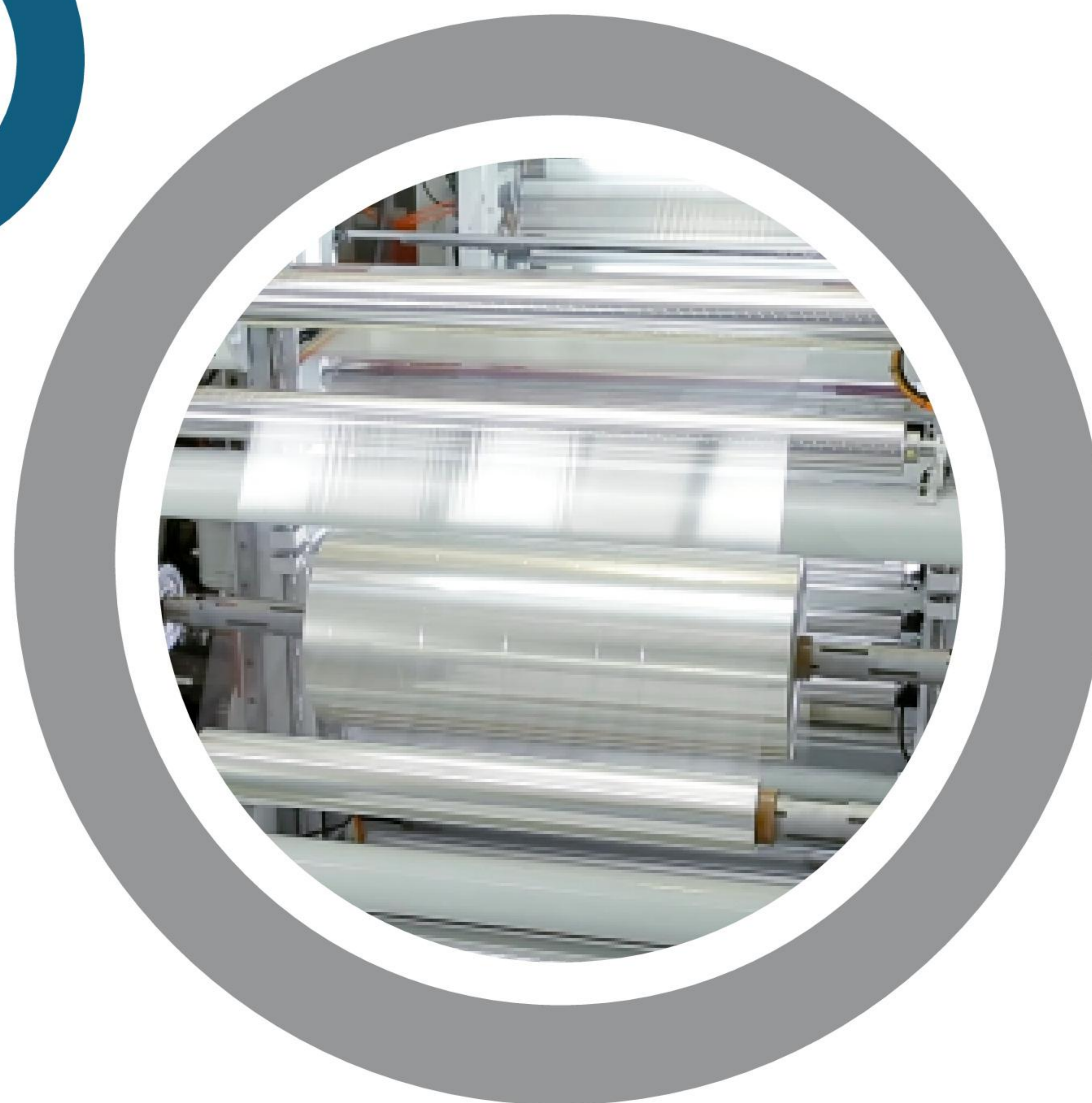
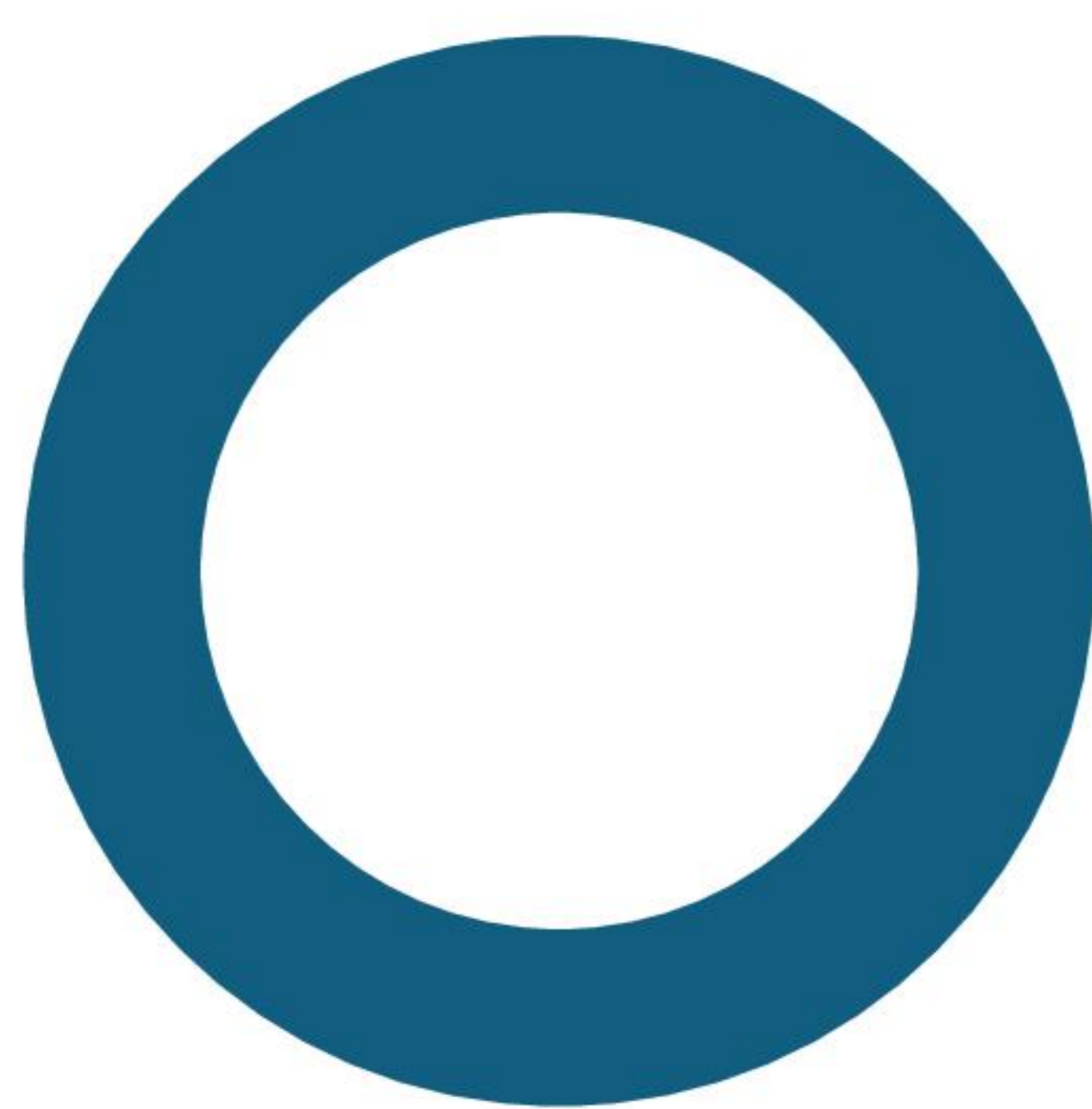


Latest E.L.S Technology

All unwinder, in-feed unit, printing units, out-feed unit, rewinder are individually driven by AC servo motors and drives. The cylinder has direct driven to optimized the transmission with low mechanical loss. Whole machine automation and tension controlled by high performance PLC system.



- Rotogravure Printing Machine
- Laminating Machine
- Coating Machine
- Extrusion Coating Laminating Machine



WORLDLY INDUSTRIAL CO., LTD.

No. 2, 7th Road, Taichung Industrial Park, Taichung City 40755, Taiwan

TEL: 886-4-23599850 / 23599851 FAX: 886-4-23596625 / 23584485

E-mail: welead@ms17.hinet.net / sales@worldly.com.tw www.welead.com

