

SLITTING & REWINDING MACHINE

Partners Committed to Your Success

We create
We care
We can
Webcontrol



YO DEN ENTERPRISES CO., LTD
No.112-59,Qingguang Rd., Wuri Dist.,
Taichung City 41462, Taiwan
TEL : +886-4-23358568
FAX : +886-4-23357358
E-mail : sales@yoden.com.tw
http : //www.yoden.com.tw

webcontrol

WEBCONTROL MACHINERY CORP.
No.1, Jinke 7th Rd., Nantun Dist.,
Taichung City 40852, Taiwan
TEL : +886-4-23587272
FAX : +886-4-23580882
E-mail : sales@webcontrol.com.tw
http : //www.webcontrol.com.tw

webcontrol

ABOUT US



Webcontrol Machinery Corporation and Yo Den have specialized in manufacturing converting machines for flexible packaging and shrink sleeve materials since 1988. Webcontrol constantly develops new technologies to continue offering superior production equipment at an affordable price range for the ever increasing demands. Innovative concepts combined with ergonomic and operator friendly designs improve efficiency, reduce down time, and increase production for a high quality finished product. For printed materials, Webcontrol offers Inspection Machines with 100% optical defect detection to allow defect removal before lamination or slitting.

Besides Slitting, Rewinding and Inspection machines, Webcontrol manufactures Solvent and Solventless Laminators, Rotogravure Printer Presses and Seaming Machines for shrink sleeves.



Continuously innovate and manufacture machines with superior quality and reliability



Exceptional incorporation of mechanical and electronical control systems to assure ultimate machine performance



Consistently improve customer relations

SLITTING & REWIND INSPECTION MACHINES



Distribution area - 70 countries

Our slitting, rewinding and inspection product line is designed and built to meet the toughest demands of converting customers in over 80 countries. The product line ranges from narrow to wide web machines, designed for precision, speed and dependability. Webcontrol machines convert skillfully a variety of materials from paper to film and laminated substrates to aluminum foil. With integrated concepts like overhead web path, automatic knife positioning, state-of-the-art drive and control systems, operator friendly interface, Webcontrol's slitting, rewinding and inspection equipment provides high efficiency production solutions.

SLITTING

All slitter models are able to slit and rewind various types and qualities of flexible packaging materials as well as printed paper. The standard slitter production line includes differential rewind shafts and automatic tension control on unwind and rewind. The slitting section offers razor slitting in air or groove, and shear slitting with wrapped or tangential web path using individual manual or pneumatically controlled knife holders. Semi-automatic or fully automatic positioning is available on select models.

REWINDING & INSPECTION

Quality control is an important matter in the production process. Webcontrol provides several machine models to meet all requirements on inspection to supply a defect free finished roll product. All models are built standard with bi-directional operation.

IND | Wide Web Slitter with Individual Rewind Station

This model has individual rewind stations and is available for speeds up to 600 m/min. The rewind diameter is offered for 1000 mm and 1200 mm and the shaftless unwind diameter for up to 1500 mm. The IND center winding concept using individually driven rewind stations with contact roller on each rewind, features the best winding concept for high speed, large diameter finished rolls and light gauge material such as BOPP, BOPET, CPP etc.



Specification:

- Speed: 600m/min
- Web Width: 2500 – 3600 mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 1000/1200/1500mm
- Rewind Diameter: 1000/1200mm
- Rewind Width: 350-1200mm
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Overhead Web Path
- Shaftless Unwind With Roll Lift-in
- Driven Unwind With Double Dancer Control
- Auto. Knife Positioning System

UHS-TR | Increased Production with Turret Rewind



Various Type of Finished Reel Unloading System.

From manual type to fully automatic type to shorten the working time and increase the production capacity.



Fixed Type

Pivoting Type

Automatic Unloading

Automatic Unloading with Pick-Up Table

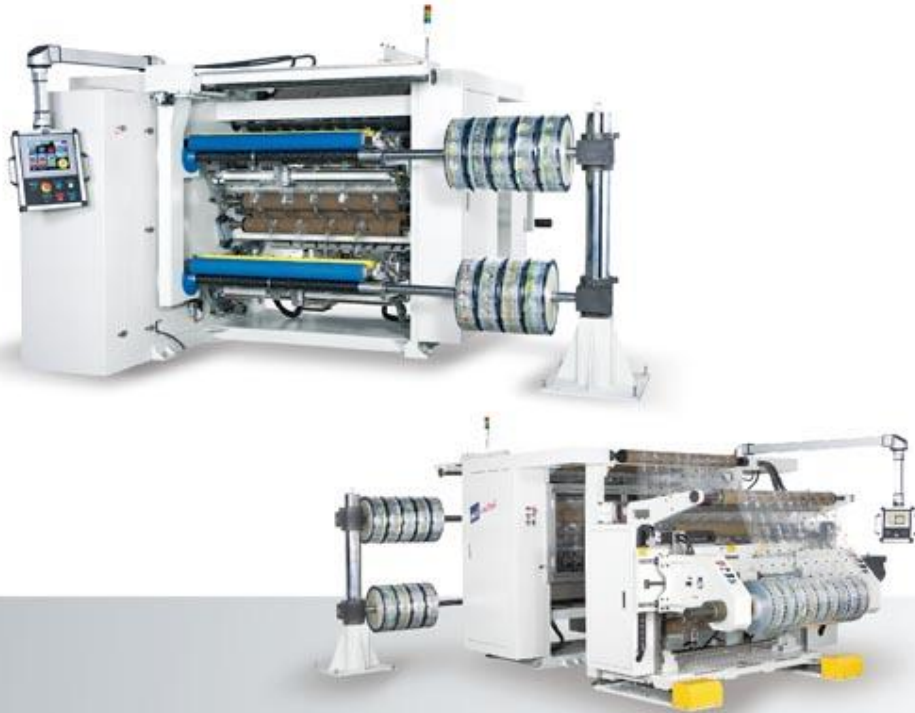
Specification:

- Speed: 500/ 600 m/min
- Web Width: 1300/1600/1800mm
- Min. Web Width: 300mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 1000/1200mm
- Rewind Diameter: 600mm
- Rewind Width: 50mm upwards
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Shaftless Unwind With Roll Lift-in
- Vacuum Transport Roller
- Auto. Knife Positioning System
- Turret Rewind
- Individual Lay-on Roller
- Rewind Differential Shaft
- Downtime from Stop to Restart less than 40s
- Auto. Cut and Transfer
- Laser Core Positioning
- Finished Roll Push - off Device
- Finished Roll Handling
- Auto. Tape Device
- Auto. Core Loader

JHS | High Speed Performance



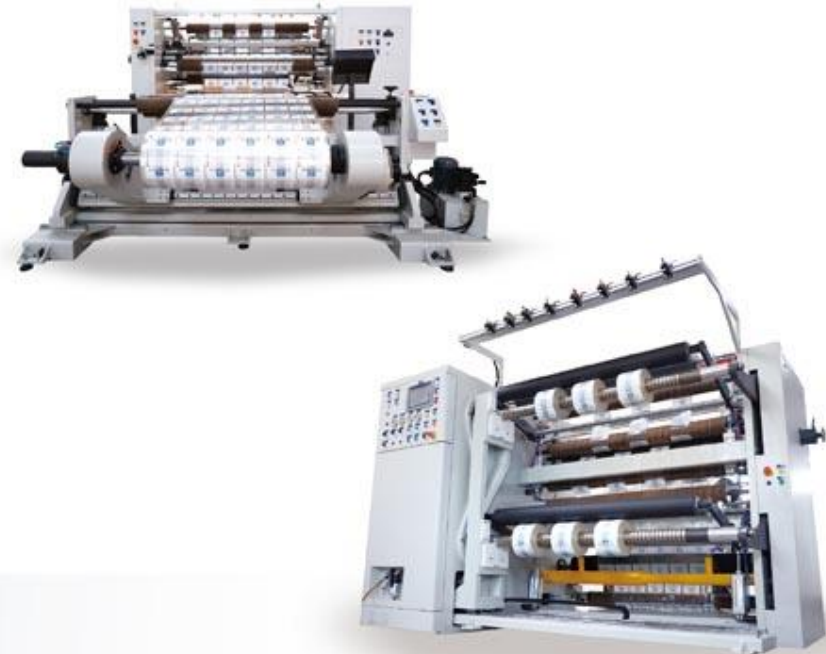
Specification:

- Speed: 800m/min
- Web Width: 1300/1600/1800/2000mm
- Min. Web Width: 300mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 1000/1200mm
- Rewind Diameter: 800mm
- Rewind Width: 50mm upwards
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Overhead Web Path
- Shaftless Unwind With Roll Lift-in
- Driven Unwind With Dancer Control
- Auto. Knife Positioning System
- Individual Lay-on Roller
- Rewind Differential Shaft
- Center Rewind shaft Support
- Finished Roll Push-off Device
- Finished Roll Handling
- Integrated Cabinet for Drives and Controls
- Laser Core Positioning System

UHS | Most Versatile



Specification:

- Speed: 500/ 600m/min
- Web Width: 1300 /1600/1800mm
- Min. Web Width: 300mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 1000/1200mm
- Rewind Diameter: 600/800mm
- Rewind Width: 50mm upwards
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Shaftless Unwind With Roll Lift-in
- Vacuum Transport Roller
- Auto. Knife Positioning System
- Individual Lay-on Roller
- Rewind Differential Shaft
- Laser Core Positioning
- Finished Roll Push - off Device
- Finished Roll Handling
- Integrated Drive and Control System

HSI | Best Value



Specification:

- Speed: 400 m/min
- Web Width: 1300 /1600mm
- Min. Web Width: 300mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 1000/1200mm
- Rewind Diameter: 600mm
- Rewind Width: 50mm upwards
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Shaftless Unwind With Roll Lift-in
- Vacuum Transport Roller
- Individual Lay-on Roller
- Rewind Differential Shaft
- Rewind Web Clamping
- Laser Core Positioning
- Finished Roll Handling
- Integrated Cabinet for Drives and Controls

HSC | Compact



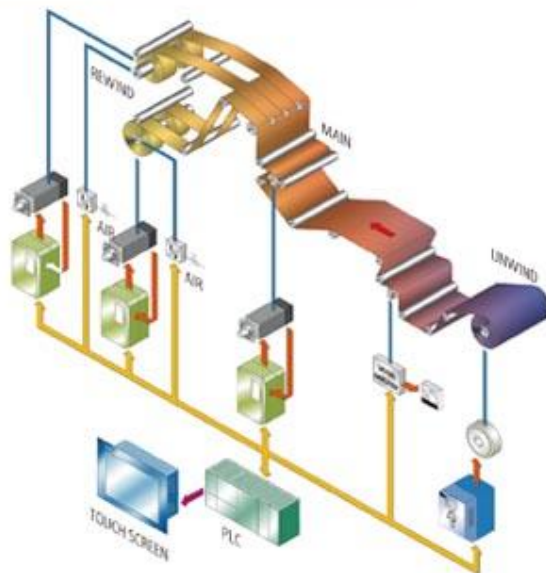
Specification:

- Speed: 300/400m/min
- Web Width: 800 /1000/1300mm
- Min. Web Width: 300mm
- Unwind Roll Cores: 3"(76), 6"(152)
- Unwind Diameter: 800/1000mm
- Rewind Diameter: 600mm
- Rewind Width: 50mm upwards
- Rewind Roll Cores: 3"(76), 6"(152)

Features:

- Shaftless Unwind
- Rewind Differential Shaft
- Rewind Web Clamping
- Mechanical Core Positioning System
- Finished Roll Handling
- Integrated Cabinet for Drives and Controls
- Splice Table with Pneumatic Web Clamps
- Pendulum Lay-on Rollers

Slitting Machine Control System



Vacuum Transport Roller

Webcontrol utilizes a vacuum drum to keep the web from moving after it has been aligned. This permits users to achieve maximum slitting speed whilst maintaining tension isolation and control precision.



Web Guide System

Webcontrol utilizes E+L EPC/LPC, which is a market leader with world wide service support.



Edeg-Trim Rewinder Machine

Synchronizes with the line speed of the slitting machine. Liner guide is equipped for stable oscillation.



Core-less type

Mechanical expanding shaft for winding trims, no need paper core, easy unloading.



Differential Rewind

All models come with differential rewind shaft, two design of rewind shaft with ball lock friction elements for precision rewind tension control. Standard rewind shafts remain unchanged for any slit width of 50 mm and up. Optional available for 25 mm and up.



Piston Design
Double row of balls with plastic bearing on the quick lock, new friction design by inside piston, create lower winding tension. Width of friction ring-25mm



Inner Friction Design
Double row of balls expand by inner tube ensure holding core tightly in place. Excellent friction performance is suitable for sensitive films. No spacers, no adjustment for various slit width. Width of friction ring-25mm

Slitting Section

Webcontrol offers two slitting systems. Depending on materials to be processed either razor slitting in groove and air or shear slitting. Shear slitting is offered with individual manual or pneumatically operated top knife holders. Automatic knife positioning for top and bottom knives are optional.

Razor Cutter System



Shear Knife System



Pneumatic Knife System



Auto. / Manual set up

Individual lay-on roller

Easy and quick change from full width to individual lay-on rollers to compensate for large thickness variations, or low rewind tension requirements



Web Clamping Device

On the unwind / rewind side with the web clamping device to keep the tension as well as the web position. Easily & quality to start new job.

Unwind Web Clamp



Rewind Web Clamp



Paper Core Positioning System

For precise and quick core setting

Laser



Mechanical



Inspection and Splicing Table

For a precision splice of a new web to an existing web



INSPECT-S Print Roll Inspection

Two models are offered for wide web inspection after printing or laminating. Defect detection systems for 100% continuous inspection are optional. Inspected materials can be laminated and slit with zero defect.

ONE SIDE INSPECTION



Specification:

- Speed: 300m/min
- Web Width: 1300 /1600 mm
- Min. Web Width: 300mm
- Unwind Diameter: 800/1000mm
- Rewind Diameter: 800/1000mm

Features:

- Shaftless Unwind and Rewind
- Roll Lift-in System
- Auto. Reverse Function
- Inspection Table
- Integration of 100% Inspection Camera
- Edge Trim Slitting



DOUBLE SIDE INSPECTION

Specification:

- Speed: 300m/min
- Web Width: 1000 /1300 mm
- Min. Web Width: 300mm
- Unwind Diameter: 800mm
- Rewind Diameter: 800mm

Features:

- Shaftless Unwind and Rewind
- Roll Life-in System
- Auto. Reverse Function
- Two Inspection Table
- Integration of 100% Inspection Camera
- Ergonomic Design for Double Side Inspection

INSPECT-V600 Finished Roll Inspection

The Inspect-V model is suitable for rewinding out of spec finished rolls and inspecting for defects. The three motor drive and advanced control system ensures stable tension regulation.



Specification:

- Speed: 300m/min
- Web Width: 600 mm
- Min. Web Width: 50mm
- Unwind Diameter: 600mm
- Rewind Diameter: 600mm

Features:

- Cantilevered Unwind and Rewind
- Auto. Reverse Function
- Inspection Table with Stroboscope
- Integration of 100% Inspection Camera
- Edge Trim Slitting

DOCTOR-300FB Narrow Web Labels High Speed Doctoring



Specification:

- Speed: 400m/min
- Web Width: 300 mm
- Min. Web Width: 30mm
- Unwind Diameter: 600mm
- Rewind Diameter: 600mm

Features:

- Cantilevered Unwind and Rewind
- High Speed Roll Doctoring with Precision
- Auto. Reverse Function
- Unwind and Rewind Edge Guides
- Closed Loop Tension Control
- Pneumatic Lay-on Rollers

INSPECT-H/ INSPECT-J Shrink Sleeves, Flexible Packaging and Labels

These two models are suitable for narrow web after slit or labels. After inflation device to inspect the seam quality are possible.



INSPECT-H

Specification:

- Speed: 300m/min
- Available Width: 300/400mm
- Min. Web Width: 50mm
- Unwind Diameter: 600mm
- Rewind Diameter: 600mm

Features:

- Cantilevered Unwind and Rewind
- Auto. Reverse Function
- Rewind Edge Guides
- Oscillation Rewind
- Continuous Dual Perforation



INSPECT-J

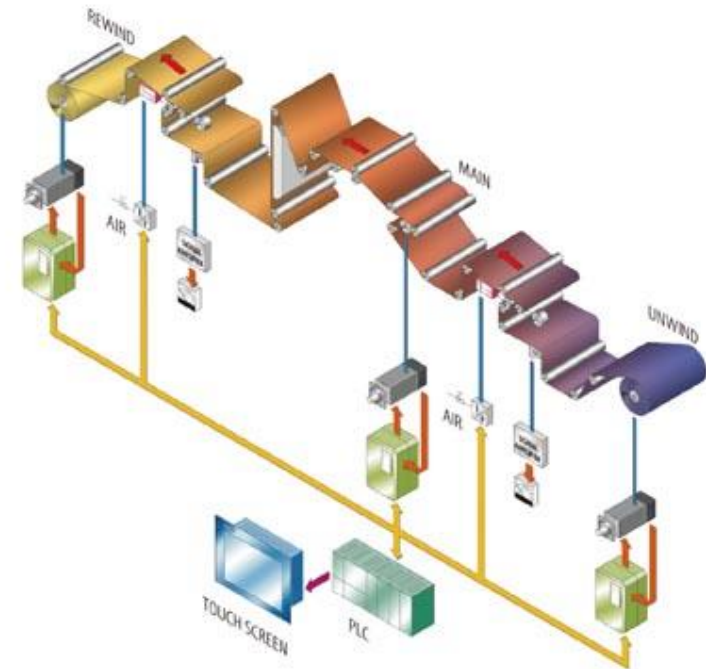
Specification:

- Speed: 300m/min
- Available Width: 300mm/400mm
- Min. Web Width: 50mm
- Unwind Diameter: 600mm
- Rewind Diameter: 600mm

Features:

- Cantilevered Unwind and Rewind
- Auto. Reverse Function
- Rewind Edge Guide
- Dancer Tension Control on Unwind and Rewind Unit
- Oscillation Rewind

Bi-direction Rewinder Machine Control System



Man-Machine Interface (MMI)

All models come standard with MMI touch screen interface. The touch screen has high resolution color as well as long service life.



Memory Function

When any defect is detected by human-eyes, press INSPECTION button and then the machine reverses automatically, the defects will be stopped at center of inspection table for operator to easily find and cut off the part.

KSI ProLabel / KSI ProCombi Label Rewind & Slitting Section



PRO LABEL
Self Adhesive Label Stock

PRO COMBI
Unsupported Film Structures &
Self Adhesive Label Stock



KSI FEATURES	ProLabel	ProCombi
Materials	Self Adhesive Label Stock	Unsupported Film Structures & Self Adhesive Label Stock
Available Width	350mm/450mm	450mm/ 650mm
Speed	300m/min	300m/min
Unwind Diameter	700mm/1000mm	800mm/1000mm
Rewind Diameter	500mm	600mm
Unwind Splice Table	Standard	
Unwind Tension System	Auto. Control by Calculation	Auto. Control by Load Cell
Unwind Shaft	Cantilever Air Shaft	
Unwind Tension Control	Powder Brake	Driven AV Vector Motor
Unwind Edge Guide	E+L Germany- Ultrasonic Edge Guide Line & Edge-optional	
Separate Unwind for 1000mm Diameter Unwind Rolls	Optional	
Nip Design	Driven AV Vector Motor Pneumatically Actuated	
Rewind Operator View Table	Standard ; Synchronized Stroboscope	
Rewind Shafts	Single Shaft- Bi Directional	Twin Shaft- Bi Directional
Rewind Standard Shafts	Quick Change Air Shaft	
Rewind Differential Shaft	N/A	Optional-Width 20&25mm
Rewind Tension System	Auto. Control by Independent Load Cell	Auto Control by Independent Load Cell for Each Shaft
Rewind Tension Control	Driven AV Vector Motor	Independent Twin Driven AC Vector Motor
Lay-on Roller for Rewind Shafts	N/A	Standard
Web Clamps for Rewinds	Standard	
Waste & Trim Removal	Optional	
Splice Table	Standard	
Razor Slitting	N/A	Standard- 3knives
Shear Slitting	Standard- 3knives	Optional- 3knives-Cartridge
Smart Label Counter Management System- Two Systems Available	The LC1 smart counter uses advanced technology complemented by advanced inspection algorithms for precise label count. The LC2 smart counter uses advanced technology for precise label count, multi-lane missing label detection, matrix remains detections and automatic fault positioning/ management system.	
Flag Detection	Optional	
Missing Label Sensors	8 Channel Optional	
Capacitive Sensor	Optional	
Reflective Sensor	Optional	
Vision System for 100% inspection Separate Stand for Vision System Installation	<ul style="list-style-type: none"> - Accumulation Included for fault position, fault will stop at operator viewing table - If fault defect confirmed, operator logs fault to splice table - Machine speed during 100% inspection- 300M/min - Optional- Web guide system and mechanical device for swing table for vision system requirements. 	