

ServoTech U 350 HS

Slit
Rewind
Inspect
@ 300 M/Min.

Label Counting
Flag Detection
Missing Label Detection
Splice Detection
Camera-based Defect Detection

HYDEN
PACKAGING P.LTD
NARROW WEB SLITTER-REWINDER

Tesla HS-350 ServoCAT
Control System



ServoTech U 350 HS

Owing to an ongoing process of upgrading our machines the specifications in this catalog may change

The U 350 HS is a high-speed Slitter-Rewinder that can be configured to adapt to different tasks making it suitable for a number of applications as may be required by a label printing shop. The machine has a host of options that allow it to be configured. When equipped with an Inspection Camera it converts to a 100% inspection machine, with a range of available sensors it becomes capable of label counting, flag detection and missing label detection.

The machine is capable of slitting and rewinding plain and printed label stock at a speed of 300 meters per minute. The solid construction of the machine keeps it rock steady at this speed. Rotary or stationary knives can be engaged with the web for slitting and edge trimming knives can be engaged for sizing the web. A venturi trim extractor is provided for edge trim extraction.

The web is transported through a servo-driven nip roller and this provides precise web transport and stoppage at the splicing table when an error is triggered. The web is taken-up for rewinding by a DTC driven motor while a magnetic particle brake manages the braking of the unwind shaft. Ultrasonic sensors measure the diameters at the unwind and rewind and complex algorithms in the PLC monitor and maintain the web speed and tension.

The machine is equipped with a Tesla Controls HS 350 ServoCAT control system. This state of the art system manages the machine giving the operator easy access to all machine functions through an HMI and managing the web tension and machine speed with high accuracy. The control system allows for the integration of an Inspection Camera and a range of sensors to make the machine truly versatile.

The U 350 HS Slitter-Rewinder has been designed to meet the high standards of slitting and inspection required by the label industry. Please call us for details on the various options associated with this machine. We can suggest how this machine can be best configured to optimise your needs.

Hyden has been manufacturing machines since the past 30 years and we are highly experienced machine builders who are extremely serious when it comes to build quality. Our associates Tesla Controls provide the control systems for our machines and this gives us a major advantage allowing us to offer comprehensive one source support. We build our machines with Care, Dedication and Precision and this works great for our customers as well as us.

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FEATURES

Rotary Knives, Stationary Knives and Edge Trimming

Pneumatic Knife Throw and Trim Extraction

100% Inspection Capable

SPECIFICATIONS

Maximum Unwind Diameter - 750mm

Maximum Rewind Diameter - 500mm

Maximum Web Width- 350mm

Maximum Web Speed - 300m/min

Unwind/Rewind Shaft Diameter - 76mm Air Expanding

Unwind Tension Range - 0 to 150N

Rewind Tension Range - 0 to 100N

Minimum Slitting Width - 25mm

Electrical/Pneumatic - 415V 3 50Hz 7.5kW/100lpm @ 6 Bar

Dimensions - 2500 x 1500 x 1800 mm L x W x H - 1150/1600 Kg

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