

ServoTech B 400 HS

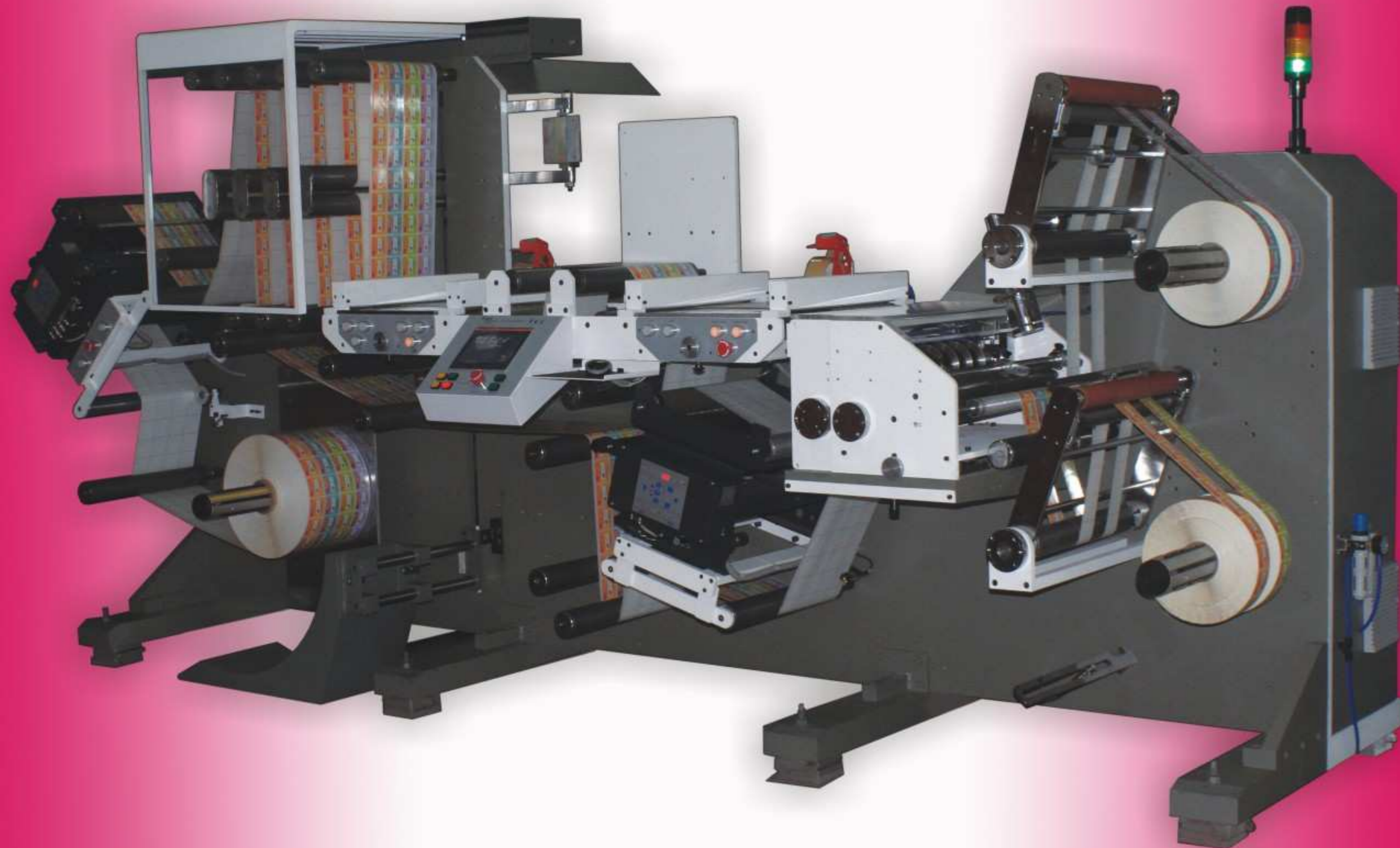
Bi-Directional Inspection - 100% Defect Detection

Slit Inspect Rewind

HYDEN
PACKAGING P.LTD

NARROW WEB SLITTER-REWINDER

Tesla B-400 ServoCAT
Control System



ServoTech B 400 HS

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

The ServoTech B 400 HS high-speed Slitter-Rewinder has been designed for critical inspection of printed labels where any error tolerance is not acceptable. This Inspection Machine has been designed for fitment with an Inspection Camera for label inspection and offers 100% Defect Detection. This is possible owing to the Re-inspection Mode offered by the machine whereby bi-directional web travel is possible. Bi-directional web travel allows Re-inspection of replaced labels and therefore 100% Defect Detection. The machine can also be run in a Uni-directional mode for less critical inspection.

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 vacuum trim extractor is provided for edge trim extraction.

The web is transported through a servo-driven web buffer that comes active in the bi-directional mode. The web is transported through a Servo driven nip for smooth web transport and precise stoppage at the splicing table when an error is detected. The web is taken-up for rewinding by a Servo driven Air-expanding shaft while a magnetic particle brake manages the braking of the unwind shaft. Complex algorithms in the PLC monitor and maintain the web speed and tension.

The machine is equipped with a Tesla Controls B 400 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, unwind, rewind and machine speed with high accuracy. The control system allows for the integration of an Inspection Camera and a range of optional features to make the machine truly versatile.

The B 400 HS Slitter-Rewinder has been designed to meet the high standards of slitting as well as 100% inspection as is typically required in Pharmaceutical label printing. 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. The machine featured in this catalog is equipped with optional accessories.

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 is linked to a continuous process of evolution owing to which we remain in step with the Industry.

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FEATURES

Rotary Knives, Stationary Knives and Edge Trimming

Pneumatic Knife Throw and Trim Extraction

100% Inspection Capable Bi-directional web transport

SPECIFICATIONS

Maximum Unwind Diameter - 750mm

Maximum Rewind Diameter - 500mm

Maximum Web Width- 400mm

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 ϕ 50Hz 10kW/100lpm @ 6 Bar

Dimensions - 4000 x 1600 x 1900 mm L x W x H - 2500/3250 Kg

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