

RCU-CH-EH



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Robotic strap cutting machine



Automates Process

Replaces manual strap removal

Streamlines Operation

Intuitive design allows for easy programming

Simplifies Strap Disposal

Bundles and deposits strap into built-in waste container

Operational Versatility

Accommodates varying product and coil sizes

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The RCU-CH-EH automates the cutting and removal of steel strap, reducing operator involvement in the processing of steel coils. Its intuitive design coupled with a multi-axial robot arm allows for processing different coil sizes and strap configurations, making it ideal for a wide range of production facilities.

Strap cutting process

■ Strap placement identification

As the coil is rotated the robot scans to detect the end-lap, once detected rotation continues until the end-lap falls between the 5 - 7 o'clock position.



■ Cutting and removal

The powerful gripper units hold the strap in place, while the cutter cuts and removes the strap from the coil.



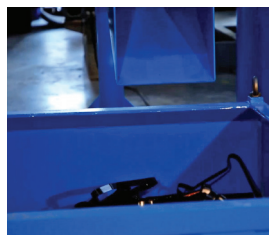
■ Compaction

The gripper unit places the strap into the folding and rolling unit to pack the strap into a small, easily handled bundle.



■ Disposal

The unit places the processed strap bundles into a designated waste container on the machine.



Technical Specifications - Robot

Model	ABB / Nachi / Kuka *
Drive System	AC servo system
Payload	120 kg (264 lbs)
Max. Reach	3100 mm (122")
Unit Weight	985 kg (2,171 lbs)

*A Signode representative can recommend the correct model for your application

Technical Specifications - Coil Dimensions

Diameter	1000 - 2740 mm (39" - 107.8") +
Width	800 - 2100 mm (31" - 82.6") +
Thickness	1.2 - 7.0 mm +
Coil Direction	Parallel to the walking beam
Coil Tail Direction	5-7 o'clock position

Technical Specifications - Strap Information

Strap Type	For circumferential & eye straps
Seal Location	12-3 o'clock position
Strap Material	Apex® or Magnus®
Strap Width	19-32 mm (.74 - 1.25")
Strap Joint	With or without seal
Strap Thickness	0.64 to 1.1 mm (.03-.04")

+Adjustments can be made to accommodate customer applications