

Reel to Reel stamping

High speed continuous process

Horizontal or vertical rewinding

Material thickness: 0,05 – 0,5mm

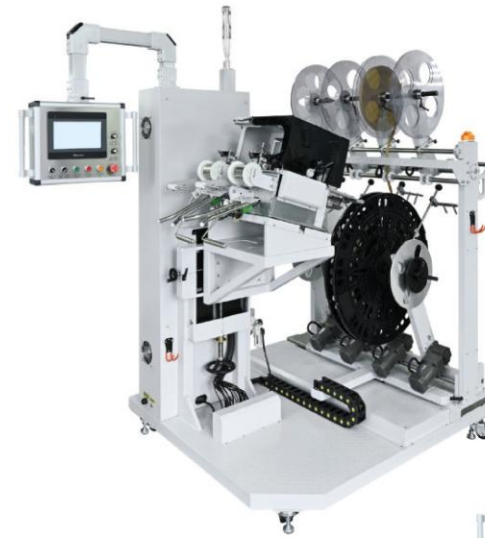
Material width: 0 – 50mm

Number of cavities: 1 – 4

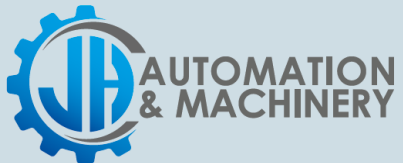
Number of reels: 4 – 10

Speed (max): 8m/min

100% vision control



**AUTOMATIC REEL
REWINDER**



Efficient · Flexible · Reliable



Official Benelux distributor

Automatic reel rewinder

Increase the productivity and efficiency of high-speed reel-to-reel die-cutting stamping processes by implementing an automatic reel rewinder with automatic reel change.

Efficient

- Increased productivity through unmanned continuous process without interruptions for reel changes
- Continuous winding without downtime thanks to automatic disc change → up to 2 till 5 times higher efficiency
- Higher quality through automatic marking, loading, sample retention, and cutting of strap material



Reliable

- Improved ergonomics for the operator
- Signal integration with the stamping press, start – stop signals
- Speed compensation via buffer independent of the press
- Software access with authorization
- Optionally equipped with 100% in-line vision control



Flexible

- Compact design, easy to operate and maintain
- Can be adapted to various product dimensions and requirements
- Plug & play connectable and easy to program
- Automatically searches for a free position, intermediate reel removal possible



Economic

- Attractive return, payback period of up to <1 year
- Increased output due to automatic changeover
- Saves labor (± 0.5 FTE per machine)



Properties

For production environments where electromechanical die-cut lead frame based stamping products are produced at high speed, the automatic reel rewinder supports operational excellence by:

Speed



- Winding speed up to 8 m/min for high-speed die cutting processes
- Continuous winding without the need to shut down the die cutting machine
- Interim removal of full reels is possible
- As soon as a disc is full, the system automatically switches to an available empty reel
- An uninterrupted production process with an efficiency increase of up to 2 – 5 times

Flexibility



- Available in horizontal and vertical versions
- Wide range of material widths and thicknesses
- Automatic interleaving paper feed
- Customizable inlet and outlet sizes
- Easy connection to the die-cutting press and easy to relocate

Quality



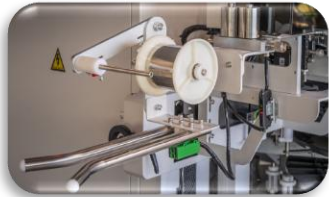
- Continuously stable winding speed and tension application on the fed strip
- Automatic start and end marking and cutting of the material
- Programmable strip sample retention for quality control
- Optionally equipped with 100% vision control

Options

The automatic winding reel is equipped by JH Automation & Machinery with a selectable number of reel positions. JH Automation & Machinery can also further customize the reel winder to meet specific customer requirements.

Number of feed inputs

- Depending on the size of the die-cut strip material fed in, the automatic rewind reel is equipped with 1 or 2 strip feed positions.



Number of reels

- The number of reel positions depends on the choice of winding the strap material vertically or horizontally
- Horizontal: 4 – 10
- Vertical: 2 - 10



100% vision control

- Equipped with CCD vision system for quality control
- Detects defects and deviations during production
- Automatic separation of good and bad products
- Improves product quality and reduces manual inspection
- Ideal for precision industries (such as electronics and connectors)

Functional specifications & versions

Model (*)	JH-H61S	JH-V41S
Reel orientation	Horizontal	Vertical
Number of reels	6	4
Max. reel diameter	550 – 850 mm	
Max. reel weight	20 kg	
Material thickness	0,05 – 0,5 mm	
Material width	0 – 50 mm	
Number of feeds	1 from stamping machine & 1 intermediate layer (e.g. paper)	
Winding speed	tot 8m/min.	
User interface	English	
Electrical power	230V – 50Hz	

(*) several versions and options possible



Ready to take action ?

- **Contact us** to schedule a meeting to explore the opportunities of automation for your organisation
- **Installation and training** within 1 day. Switching between different pre-programmed products within 5 minutes
- **Start experiencing** the benefits, saving handling costs and assigning your employees to other tasks

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