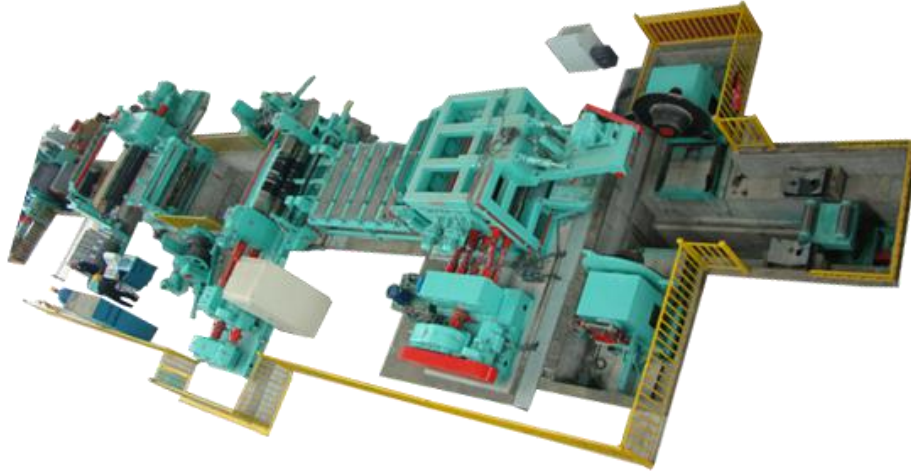


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Medium Gauge Slitting Lines



Machine Reviews

RISHBIN Medium Gauge Slitters is used to slit the big rolls into narrow rolls, and packaging it automatically. It works of max. thickness up to 10mm, max. width of up to 2200mm, and speed of up to 100 m/min. It consists of Decoiler with coil car, guiding & pinch device, medium gauge slitters, dual head/quick tooling change for the [auto slitting machine](#) is available, scrap winder, side-guiding device, looping, tension device, recoiler. Different materials could be suitable to be processed in the line, such as pre painted steel coil, cold rolled steel coil, hot rolled carbon steel coil, stainless steel coil, copper, brass, aluminum and titanium. These narrow coils/rolls are widely used in Steel Pipe Factory, Steel Structure Factory, Storage System Manufacturing Factory, combined with Roll Forming Machine, Power Punch Machine, Pipe Mills.

To help you achieve your own production capacity target, RISHBIN [automatic slitting machine](#) supplies many options, such as high speed slitting, medium speed slitting, etc. All slitters are easy to operate. They are very reliable, steady performers for both short and long terms running productions.

- The thickness can range from the thinnest down to 1.0 mm, to the thickest up to 10mm

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- Strip Width, from the narrowest 400 mm to the widest 2200 mm
- Coils Weight, up to 35 tons
- Line Speed, up to 100 m/min.
- Operator Safety.
- Highest Production Outcome
- Ease of Operation and Maintenance

Working procedure:

In the beginning, the coil is loaded on the coil car by crane and brought to the uncoiler by operating the coil car. Coil car centralizes the coil with the uncoiler mandrel and the coil is mounted on the uncoiler. Mandrel is expanded. Snubber roll rotates the coil. Peeler breaks the straps and brings the pre end upto Pinch roll. The Pinch roll drives the coil end upto the slitter. Then its drive is disconnected. Slitter moves the slitted strips further. Slitted strips are threaded through loop table and drag tensioner into the recoiler drum. Recoiler winds one turn on loose coil.

Then drag tensioner and loop are put into operation. Slitter and recoiler run simultaneously in synchronization. As the coil build up, the recoiler rpm correspondingly goes down to keep desired constant line speed. This process goes on until the end of coil on uncoiler. The slitted coil is pushed on the exit coil car through a pusher plate operated by hydraulic cylinder. The side slitted scrap is wound on the scrap winder units provided on both sides of the slitter.

Model No.	RS 1.0-6.0	RS 2.0-8.0	RS 3.0-10.0
Coil Material	CR Coils , HR Coils, S.S Steel Coils, GI Coils , AL Coils, Copper Coils Picking Oil Coils		
Coil Thickness	1.0~6.0mm	2.0~8.0mm	3.0~10.0mm
Line Speed	0~110m/min	0~50/80m/min	0-30/50m/min
Coil Weight	≤30T(35T)	≤30T(35T)	≤30T(35T)

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Coil I.D	Φ508,φ610,φ760 mm	Φ508,φ610,φ760 mm	φ508,φ610,φ760 mm
Coil O.D	≤φ2200mm	≤φ2200mm	≤φ2200mm
Strip Width	≥30mm	≥50mm	≥70mm
Number of Strip	4~15	5~20	5~18
Slitting Accuracy	±0.3mm	±0.3mm	±0.3mm
Blade shaft	Φ260mm	Φ280mm	Φ300mm
Electrical Control System	PLC Automatic control	PLC Automatic control	PLC Automatic control

Customized slitting lines for every different kind of metal strip and in all required dimensions would be available.

Main Technical Specifications

COIL/ROLL DETAILS	Material	HR, CR, SS, GI, PPGI, Copper
	Tensile Strength	$\delta b \leq 600\text{Mpa}$, $\delta S \leq 360\text{Mpa}$
	Coil/Roll thickness	1-10mm
	Steel Coil/Roll width	500-2200 (Max)
	Coil/Roll I.D	Φ500-760 mm

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	Coil/Roll O.D	Φ2000mm (Max)
	Steel Coil/Roll Weight	35T (Max)
Slitter parameters	knife pivot diameter	Φ220 mm
	Knife pivot material	40Cr
	Blades specification	Φ220mmXφ360mmX20mm
	Blade material	6CrW2Si
	Max slit quantity	4 pcs (4mm) 20 pcs(1mm)
	Width precision	≤±0.05mm
	Other parameters	Power
Line speed		0-80m/min
Capacity		360 KW
Whole line Dimension		45m(L)X10m(W)
Line direction		From right to left(Face to machine)
Machine color		Blue

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Layout Drawing

