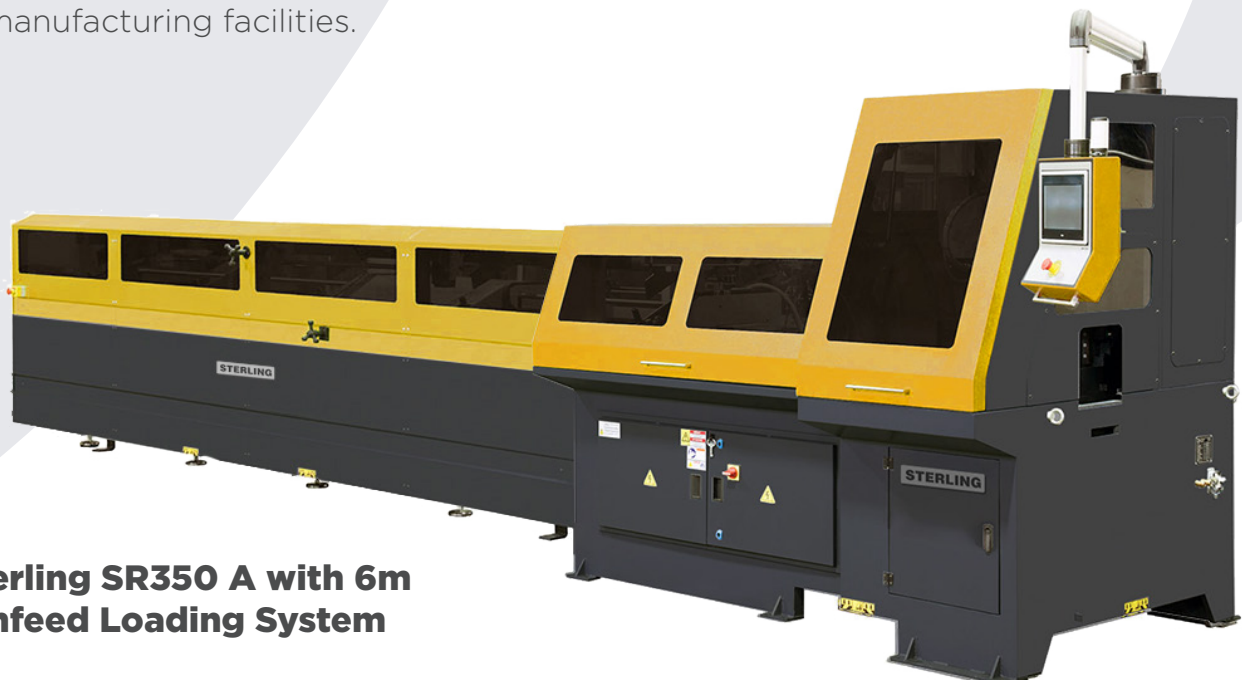


STERLING

SR A Automatic Circular Saw 415v

The Sterling SR A Automatic Circular Saw 415V range is unbridled in its complete versatility and automation. Designed for industrial use, these robust machines offer fully automatic operation, with the option of loading and unloading systems.

Ensuring consistency and ease of use while maximising productivity. Engineered for durability and accuracy, the range is ideal for cutting a variety of metals with a high degree of precision. Whether handling high-volume production or bespoke fabrication work, the Sterling SR A series provides a reliable and efficient solution for workshops and manufacturing facilities.



**Sterling SR350 A with 6m
Infeed Loading System**



Shuttle Vice



Pneumatic Clamping

Machine Features

- Fully automatic mitre tube cutting machine
- Servo motor controlled saw head rotating system up to left and right 60°
- Servo motor controlled material feeding system with ball screw
- PLC controlled colour type touch screen display
- Heavy duty, helical gear and worm gear sets in gearbox
- Head descends on hardened roller type linear guides
- Backlash reduction for prolonged blade life
- 200 programs to save all parameters for cutting again the same material.
- 20 rpm to 80 rpm blade speed by inverter
- 10 different cutting length adjustment in one material
- ± 0.2 mm cutting length precision for straight cut
- ± 0.02 mm machine positioning precision
- 1,200 mm feeding length.
- Shuttle Feeding for lengths over 1,200mm
- Coolant tank with box to collect chips and electric pump for blade lubrication and cooling,
- Micro spray lubrication system for saw blade
- Automatic lubrication system for linear guides and rotating head
- Light warning system activated following the end of the material and the reach of the required cutting quantity

Optional Features

- 6 Metre Automatic Loading System
- 3 Metre Automatic Unloading System

TECHNICAL SPECIFICATIONS

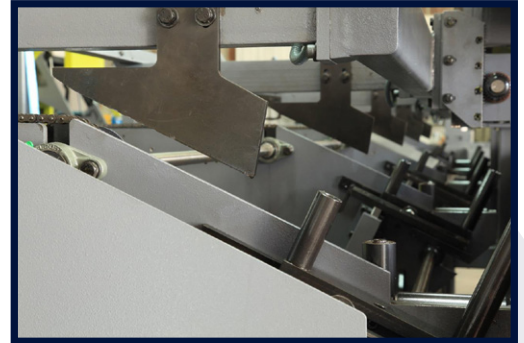
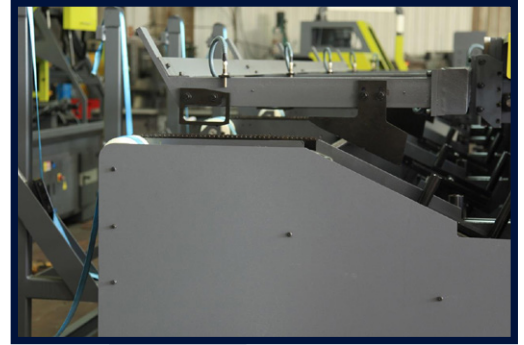
MODEL		SR350 A		
Capacities		90°	+/- 45°	+/- 60°
Tube at 90°	○ mm	90	80	50
Square Section at 90°	□ mm	90	80	50
Rectangular Section / Beam at 90°	▭ mm	100 x 80	100 x 40	50 x 50
Blade Diameter	m/min	350		
Blade Bore	mm	32		
Blade Speeds	rpm	20 - 80 (Variable Inverter)		
Motor	Kw	4		
Remnant Piece Length	mm	290		
Length	mm	2,320*		
Width	mm	1,710*		
Height	mm	2,100*		
Weight	Kg	1,950*		
Operation		Automatic		
Vice		Automatic Pneumatic Shuttle Vice		

* Dimensions given are for the freestanding saw only, without any loading or unloading systems

Optional Loading / Unloading Systems

6 Metre Automatic Loading System

- Fully automatic bundle type pipe loading system
- Maximum capacity : 2,500 Kg.
- Minimum loading dimension 15x15 mm / Ø 15 mm pipe
- Maximum loading dimension 80x80 mm / Ø 80 mm pipe
- Maximum loading length 6.5 metres.

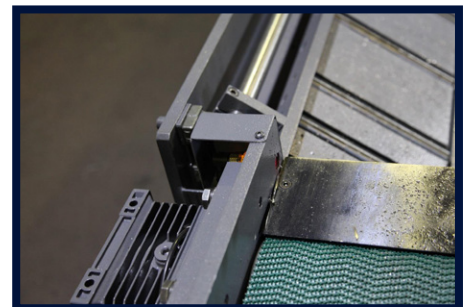
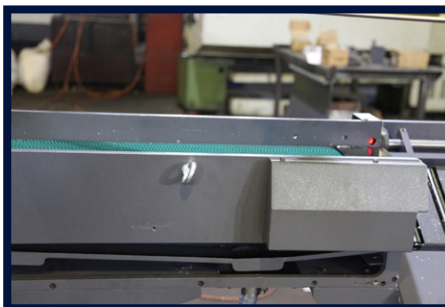


TECHNICAL SPECIFICATIONS

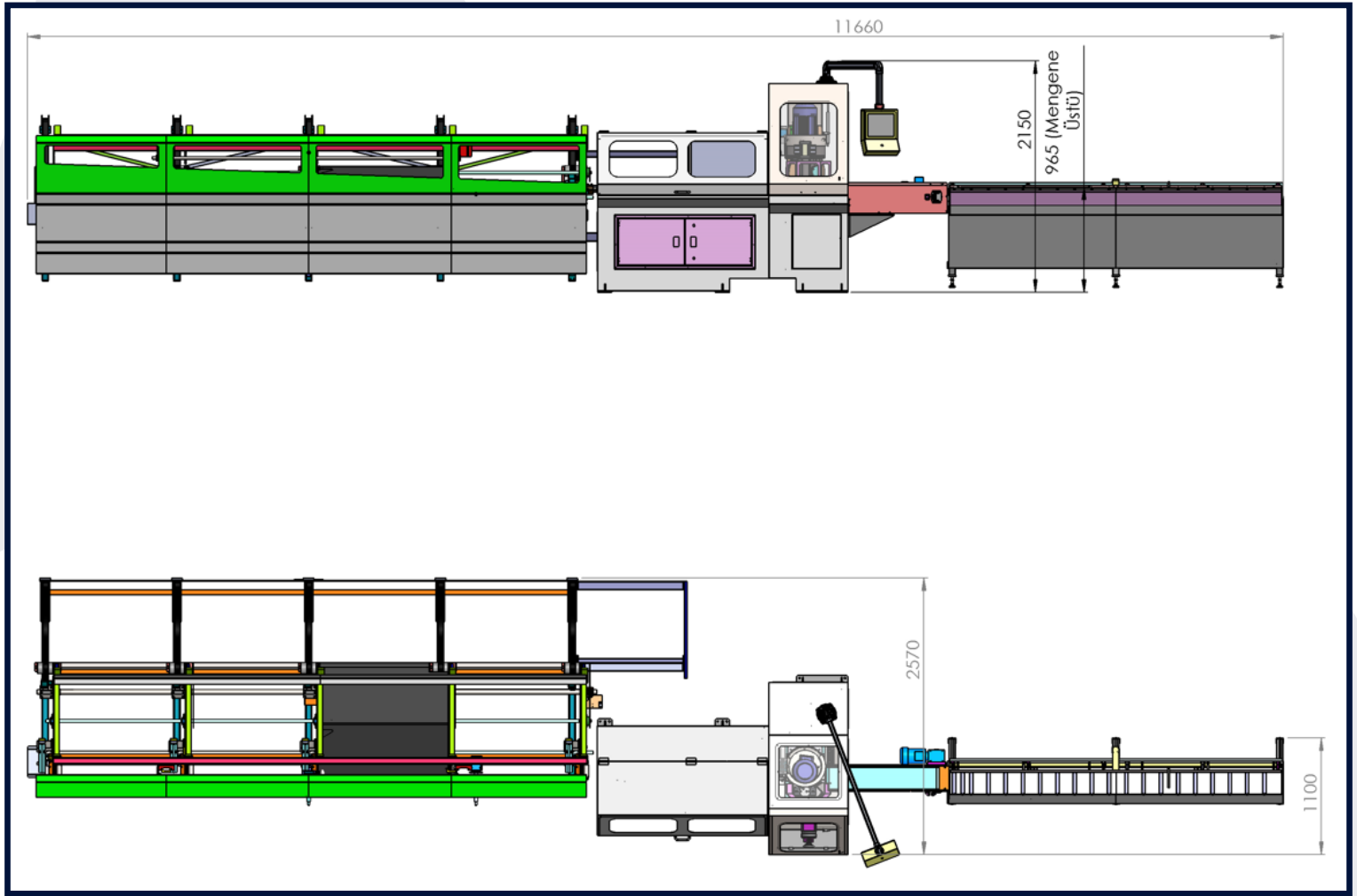
Automatic Loading System		
Maximum Capacity	Kg	2,500
Minimum Loading Dimension	mm / Ø	15 x 15 / 15
Maximum Loading Dimension	mm / Ø	70 x 70 / 80
Maximum Loading Length	mm	6,500
Installed Power	Kw	2
Air Pressure	Kg/cm ²	6 (240 L/min)
Length	mm	6,100
Width	mm	2,100
Height	mm	1,600
Weight	Kg	1,380

3 Metre Automatic Unloading System

- Unloading unit consists of 2 parts; Conveyor Belt and Discharge Unit.
- When the sensor on the conveyor belt sees the material after cutting, the discharge unit moves and the material on it is transferred to the box placed in the front.



Sterling SR350 A Layout with a 6m Infeed / 3m Outfeed



Sterling SR350 A with a 6m Infeed / 3m Outfeed