



Specifications		SA-150NC-MITRE		
Capacity	○ (mm)	90°	152	
		45°	145	
	□ (mm)	90°	140	
		45°	127	
	▭ (mm)	90°	240 x 80	
		45°	180 x 60	
	Max. Wall Thickness (mm)		5	
Material Length (mm)		3000 ~ 6000		
Cutting Angle		30° - 90° - 30°		
Main Machine	Saw Blade	Type	HSS	
		Size (mm)	∅370 ~ ∅450	
		Cooling	Water Soluble Cooling Lubricating (Oil or Oil Mist System)	
	Spindle Motor		5.5 Kw · 4p	
	Spindle Speed (R.P.M.)		35~180	
	Feeding Way		Electric Servo (2Kw)	
	Hydraulic System	Power	3.7Kw	
		Pressure (Kg/cm ²)	70	
		Tank Capacity	70L	
	Chip Disposal		Automatic Chip Conveyer	
Material Feeding System	Feeding Way		Electric Servo (1Kw)	
	Feeding Length (mm)		20 ~ 1000 (one stroke feeding)	
	First Crop (mm)		25 (short side)	
	Last Crop (mm) (*)		0 ~ 210 (short side) + α	
MBR6 Loading Capacity (Kg) (**)		4000		
Outlet Length (mm) (***)		20 ~ 2000 (2 times feeding)		
Main Machine Dimension (L x W x H - mm)		6700 x 2500 x 2000		
Weight (Kg)	Main Machine		6000	
	MBR6		2000	

(*) Last crop :
 (a) May be different because of material's appearance and cutting angle
 (b) Straight cut with special vise can reduce last crop
 (**) Material Table Optional : (a)MR6 - Rack type (b)MU6 - Universal type
 (***) Outlet Table Optional : (a) 1 Meter (Cutting Range 20~1000) (b) 3 Meter (Cutting Range 20~3000)

Due to continuous improvements and designs; the manufacturer reserves the right to modify or make any changes of all models without notice.



SOCO MACHINERY CO., LTD.
 NO.3, JINGKE E. RD., NANTUN DIST., TAICHUNG CITY 40852, TAIWAN
 TEL : 886-4-23591888 FAX : 886-4-23592386
 E-MAIL : sales@soco.com.tw

www.soco.com.tw



Complete Solution for Tube and Pipe

Automatic Cutting & Cutting Angle Positioning
(Electric Servo)

SA-150NC-Mitre

Angle and Straight Cutting Line for Tubes and Profiles

4 Electric Servo Axis and Max. O.D. 152mm
 i2 Controls + Built-in Material Nesting System



SA-150NC-Mitre

Cutting Samples

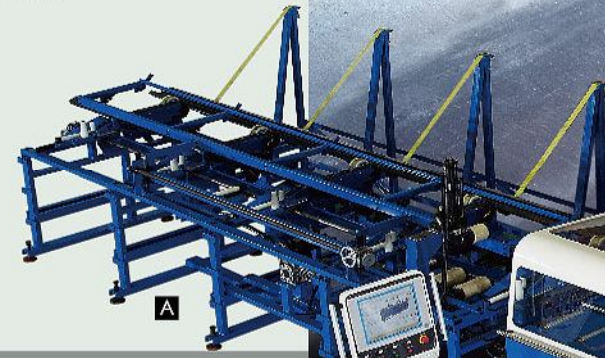


Some of its main features:

- Capacity up to 152 X 5.0t, with 4 servo controlled axis
- Complete Automation:
 - Loading with Bundle Loading System
 - Feeding
 - Cutting and Clamping
 - Straight or Angle Cutting
 - Recutting (Feeding back into the machine for secondary cuts on both sides of the material)
 - Unloading
 - Cutting Leftover Disposal
 - Crop Cuts vs. Workpiece separation
- Nesting System
 - Built-in system with graphical interface
 - Recommendation based on available stock, cutting lengths, output order and most economical process (least material wastage)
- Automatic Cutting and Recutting
 - Automatic Cutting Angle Setup
 - Wide angle cutting range: 30-90-30 Degrees
 - Ability to make up to 3 cuts on both sides of the material
- Dynamic Cutting
 - Variable Speed (RPM) and Cutting Feed through entire cut for high efficiency cutting and saw blade life.
 - All parameters will be recommended on-screen after simply inputting basic material information



Automatic Recutting + Unloading (Electric Servo) **C**



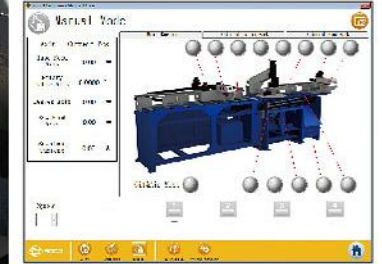
A



B

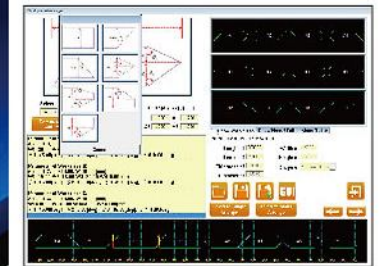
C

Software



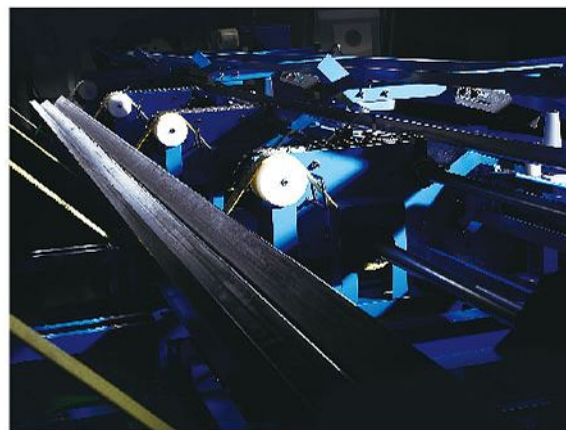
i2® Controls

Touch Screen graphical interface for machine setup, diagnostics, remote troubleshooting, program management and automatic recommendation of cutting parameters.



Material Nesting System

- Graphical Interface for programming cutting shapes and lengths
- 3 different work pieces may be programmed in one stock material
- 3 different cutting angles may be programmed for each material side
- Nesting based on most economical way or by work process sequence



6 Meters Bundle Loader (MBR6) **A**



Electric Servo Controlled Feeding **B**

The new SOCO Tube Cutting Line SA-150NC-Mitre is an automatic angle cutting line with capacity up to O.D.152mm, suitable for cutting Round, Square, Rectangular tubing as well as other types of profiles. Together with the SOCO i2 Controls and Built-in Nesting System, it allows for easy and quick setup even for the most complex shapes, while customizing cutting processes depending on output or material savings requirements.