

SC-150A Circular Saw



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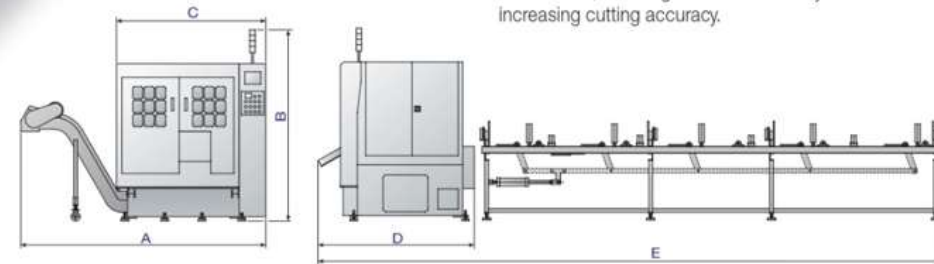
SINGULAR MACHINERY CO., LTD.
A Specialized Manufacturer of Sawing Machine

SC-150A Circular Saw

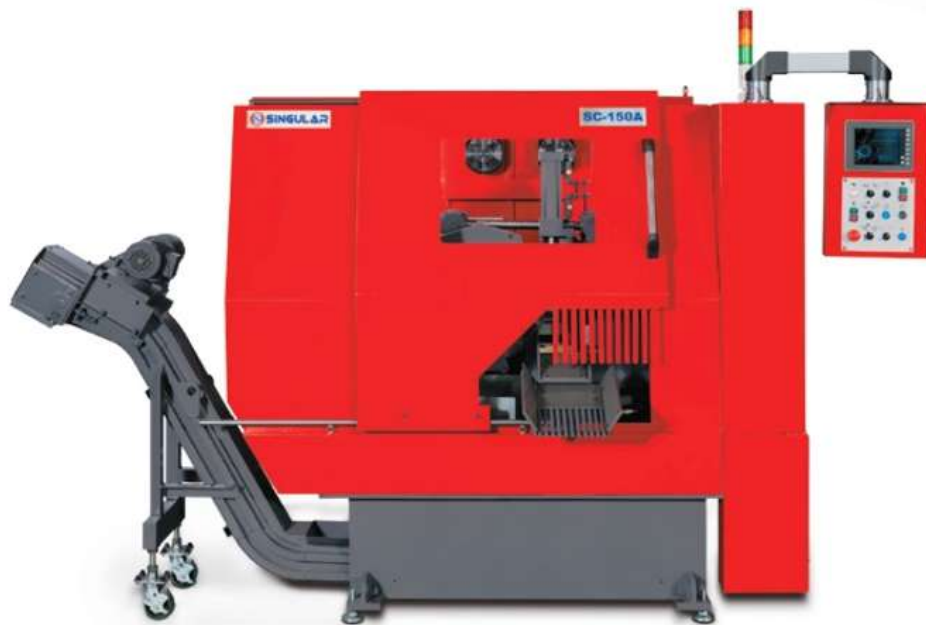


Hydraulic Front & Vertical Vises

The hydraulic front and vertical vises firmly clamp the material, reducing vibration efficiently and increasing cutting accuracy.



Model	A	B	C	D	E
SC-75A	2,675	2,410	1,630	1,710	6,820
SC-100A	2,915	2,460	1,870	1,800	6,900
SC-150A	3,020	2,130	2,070	2,250	7,080



Touch Screen | Control Panel

The control panel and touch screen allow easy operation and high efficiency. The information for problem solving & trouble shooting are shown on screen when the machine operates abnormally. Historical data is also recorded for reference.



Servo Motor Bar Feed

The servo motor and ball screw bar feed system rapidly feeds the material to its accurate position. This is a key factor for high volume cutting requirements.



Out of Stock Monitor

The photoelectric monitor effectively adapts to variable condition of the material. It accurately works even if the material is crooked or with rough surface.

Power Wire Brush

The hydraulically powered chip brush that actively cleans chips from the saw blade. This extends blade life and maintains cutting efficiency.



Vertical Air Cylinder

While the feeding table is searching for the material front end, the vertical cylinder firmly presses the material without damaging it. This allows accurate material positioning.

Hydraulic Sorting Chute

The automatic sorting system separates the head and tail-pieces at the ends of each bar. This allows for longer unattended operation and easy disposal of the off cut material.



Bar Lifting System

The hydraulic lifting system efficiently moves different sizes of material from the loading area to the feeding area. This saves time and increases productivity.

Servo Motor Blade Feed

The servo motor and ball screw blade feed system accurately control cutting speed and blade positioning. This allows high cutting efficiency and long blade life.



Model		SC-75A	SC-100A	SC-150A
Cutting Capacity	●	8 ~ 75 mm	10 ~ 100 mm	70 ~ 150 mm
	■	8 x 8 ~ 60 x 60 mm	10 x 10 ~ 80 x 80 mm	70 x 70 ~ 110 x 110 mm
Blade Motor		15 HP	15 HP	25 HP
Hydraulic Pump Motor		2 HP	3 HP	3 HP
Blade Speed		30 ~ 150 rpm		
Blade Size (φ x kerf x Thickness)		285 x 2.0t mm	360 x 2.6t mm	460 x 2.7 x 2.25 mm
Blade Feed		Servo Motor and Ball Screw		
Bar Feed		Servo Motor and Ball Screw		
Automatic Feed Length	Single	6 ~ 600 mm		
	Multiple	6,000 mm		
Automatic Chip Conveyor		Chain Type		
Cooling		Air Compressed Oil Mist		
Machine Weight with Table		2,300 kg	2,800 kg	3,600 kg
Floor Space (Machine with Table)		W2,680 x L6,820 mm	W2,920 x L6,900 mm	W3,020 x L7,100 mm

■ For technical demand, product specifications and equipments / accessories are subject to change without notice.

Standard Equipment & Accessories

- PLC Control for Electric & Hydraulic Functions
- Easy Conversational HMI
- Infinitely Variable Blade Speed Controlled by Inverter
- Hydraulic Front & Vertical Vises
- Floating Shuttle Device
- Hydraulic Sorting Chute
- Electro-Magnetic Powder Brake

Optional Equipment

- Photoelectric Out of Stock Monitor
- Automatic Chip Conveyor
- Power Wire Brush
- Air Blow Device for Tube Cutting
- Automatic Loading Table
- Cutting Mist Oil - 5 Gallons
- Work Lamp
- One Set of Tools in Tool Box
- Oil Mist Filter
- Variable Vise Pressure