

Semi-Automatic Circular Saw Machine



APPLICATIONS

- ▶ Tube Mills, Tube Drawing and conduit making units.
- ▶ Automobile ancillary units engaged in manufacturing of shock absorbers, propeller shafts, silencers, fuel injection equipmenetc.
- ▶ Furniture and Bus body building organizations
- ▶ Refrigeration, Boilers and heat transfer equipment manufacturers
- ▶ Bicycle and Bicycle Components manufacturers
- ▶ For cutting bakelites, plastic, non-ferrous rods and tubes

Difference between Bandsaw & Circular Saw's

Both band saws and circular saws offer a wide range of operational benefits. Knowing the main features of each is critical to choosing the best option for your application:

> **Precision circular saws are ideal for repetitive, high-speed cutting of certain metals.** This includes operations that process high volumes of the same material size, type, and shape or may require a high-quality finish. In terms of material size and type, the sweet spot of circular saws is two- to six-inch pieces of common grades of steel, including carbon steels, alloy steels, tool steels, softer stainless steel, and, in some cases, aluminum materials.

> **Band saws are ideal for operations that need more flexibility.** Most band saws can cut material ranging in size from a one-inch piece to a six-foot block, depending on the capacity of the saw. An operation could use a band saw to cut a wide range of shapes from solid bars, tubes and pipes, profiles, plates, and blocks. Band saws are effective at cutting a wider range of metal types and grades, and they can provide smooth cuts in tougher metals, such as titanium and nickel-based alloys. This allows operators to switch back and forth between different metals more easily than they could with a circular saw. In addition, band saws are less expensive and are better equipped to handle stacking or bundling for cutting multiple pieces at once.

MODEL	PCS 315 S	PCS 375 S
Main motor HP	3hp/3hp	3hp/ 6p Siemens
Coolant motor	¼ hp	¼ hp
Output RPM @ Max Torque	40/80 rpm @ 56Nt/44Nt.	30/80
Total weight	330kg.	450kg.
Dimensions (floor)	2.6f x 3.5f	2.6f x 3.5f
Saw Angle	+45 - 90 - -45 degree	+45 - 90 - -45 degree
Round Pipe	95 mm	114 mm
Square pipe	90×90 mm @90°	100×100 mm
Round Bar (MS)	38mm	50mm
Square Bar (MS)	38×38 mm	50×50 mm

Circular Saw Machine With Auto Feeder



Specification	
Cutting Capacity (MM)	25 – 100 mm (Round)
Cutter Type	TCT / HSS
Cutter Size (MM)	315 & 420 x 2.5 mm
Saw Motor (H.P.)	20.0 HP
Hydraulic Motor (H.P.)	2.0 HP
Coolant Motor (H.P.)	0.25 HP
Job Clamping	Hydraulic
Hydraulic Reservoir (Ltr)	90 Ltr.
Electrical Control	Through PLC Panel



Manual Circular Saw / Pipe Cutter

Specification	
Production per 8 hrs. Shift (Depending on Gauge and Dia of Pipe)	3000 to 6000 Cuts
Dia of Tube Cut	50mm
Saw Dia	270mm
H.P. Required	-
Main Motor	1.5 H.P. , 960 R.P.M.
Hydraulic Motor	- - -
Coolant Pump	0.10 H.P.
M/C Weight with standard accessories	400 Kgs.