

INDTOOLS

Technology with Time



Pipe Cutting Circular Sawing Machine



ITL Industries Ltd.

Specifications

TECHNICAL SPECIFICATION	ITL - PCCSNC 110	ITL - PCCSNC 130	ITL - PCCSNC 150
Capacity - Round Pipe	25-110 mm	25-130 mm	30-150 mm
Capacity - Square Pipe	25-90 mm (Wall thickness 5.0mm - 12mm)	25-100 mm (Wall thickness 5.0mm - 15mm)	30-100 mm (Wall thickness 5.0mm - 15mm)
Saw Blade Type	HSS/TCT	HSS/TCT	HSS/TCT
Saw Blade Size	HSS Dia. 400 mm TCT Dia 360 mm	HSS Dia. 450 mm TCT Dia 420 mm	HSS Dia. 500 mm TCT Dia 460 mm
Blade Speed	80 - 250 MPM	80 - 250 MPM	80 - 250 MPM
Cutting Feed	Through AC Servo Motor & Ball Screw	Through AC Servo Motor & Ball Screw	Through AC Servo Motor & Ball Screw
Coolant	Flood type - Standard Mircomist for TCT(optional)	Flood type - Standard Mircomist for TCT(optional)	Flood type - Standard Mircomist for TCT(optional)
Hydraulic Tank Capacity	30L	30L	30L
Coolant Pump Power	0.25 HP	0.25 HP	0.25 HP
Type of clamping	Top and Horizontal Hydraulic with adjustable clamping force.	Top and Horizontal Hydraulic with adjustable clamping force.	Top and Horizontal Hydraulic with adjustable clamping force.
Canopy / Safety Gaurd	Only over cutting area, Full machine canopy-(optional)	Only over cutting area, Full machine canopy-(optional)	Only over cutting area, Full machine canopy-(optional)
Saw Motor	10 HP	15 HP	20 HP
Pipe Indexing	Automatic through AC Servo Motor & Ball Screw	Automatic through AC Servo Motor & Ball Screw	Automatic through AC Servo Motor & Ball Screw
Electricals	3Ph, 415V, 50 Hz Control 24 Volt DC	3Ph, 415V, 50 Hz Control 24 Volt DC	3Ph, 415V, 50 Hz Control 24 Volt DC
Shuttle Stroke	1000 mm	1000 mm	1000 mm
Size	2340 X 2030 X 1730 mm (L x W x H)	2340 X 2030 X 1730 mm (L x W x H)	2550 X 2570 X 2330 mm (L x W x H)
Colour	ITL Standard	ITL Standard	ITL Standard

The above specifications & designs are subject to change without prior notice. Optional accessories shown in the pictures may not be part of standard equipment.

Special Features:

- These machines are designed to adopt HSS/TCT saws depending on the customer's requirements.
- These machines are suitable for ferrous & non-ferrous metals – Tubes, Pipes etc.
- Machine has been designed such that small dia or (Two) or (Four) pipes can be cut in bunch as per clamping space available.
- Electric motor is coupled to the reduction Gear Box through timer belt and cutter drive arrangement is mounted on Linear Guide Ways for vibration free cutting to optimize production and tool life.
- The Cutter feed motion is control by Ball Screw & Servo Motor.
- The saw speed is controlled by A.C. Frequency Drive depending upon the application from operator control.
- The machine is equipped with Flood Cooling and Micromist Spray(optional) for TCT Cutter.
- For Main vice Horizontal and Top type job clamping arrangement is provided which is operated hydraulically with variable pressure for thin wall to thick wall.
- Horizontal and Top clamping arrangement is used for shuttle system to index raw material stock of desired length. The shuttle stroke is 1000 mm control by Servo motor.
- Sequential control of the machine is by PLC & HMI. Operational parameters like Feed rate, Cutter speed, Number of cuts to be cut, Job size, Cut length etc can be pre programmed.
- Machine has a facility to indicate cutting time, cycle time & Number of Cut completed.



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(a BSE Listed, ISO 9001:2015 Certified Company)

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