



**SPM TOOLS**

**Circular Saw Machine**

# CSM-80

Servo Controlled

Rugged & Heavy Duty

Precise & High Cutting Speed

Clean & Dry Environment of Cutting



Touch Screen Display



Electro Magnetic Powder Brake



Oil Mist Filter



***Highly Productive***



## Circular Saw Machine Model : CSM-80

"SPM" Circular Saw Machine, CSM-80 is a very rigid, sturdy and torsion free construction.

### Saw Head :

A rigid structure equipped with box type linear guide ways ensures the movement more stable and smooth.

The saw blade has sufficient drive power for variety of bar materials. The rapid approach system ensures the minimum time for cutting operation.

The servo feed saw head leads to accurate, smooth and low vibration during cutting.

### Clamping & Feeding :

The bar clamping done by hydraulically operated vices. The moving jaws of both vices, clamp the bar with sufficient variable hydraulic pressure for rigid clamping.

The feed length of bar is controlled by Servo motor.

### Features :

- Programmable Operation Display. (10" TFT Color Liquid Crystal Display)
- Hydraulic Clamped front & rear Vices.
- Hydraulic Sorting Chute.
- Electromagnetic Powder Brake.
- Automatic Chip Conveyor.
- Oil Mist Filter (Optional).
- Automatic Bar Feeder - 6 Meter (Optional).



### Technical Specification :

Capacity	Round Bar Square Bar	Ø 10 - Ø 80 mm □ 10 - □ 60 mm
Saw Blade	Saw Blade Type Blade Dimensions (Dia x Kerf x Body x Bore) Blade Mounting (Nos. x dia of holes x PCD) Cutting Speed Feed Rate Drive Power Drive System	TCT Type (Carbide tipped Saw Blade) Ø 315 x 2.0 x 1.7 x Ø 32 mm Ø 285 x 2.0 x 1.7 x Ø 32 mm 4 X 11 X Ø 63 mm. 60 ~ 225 m/min (Inverter Regulated) 0 ~ 30 mm/sec 7.5 kW AC Servo Motor + Ball Screw
Feed System	Bar Feed System Feed Length	AC Servo Motor + Ball Screw 625 mm max.
Hydraulic	Tank Capacity Operating Pressure	100 ltr 35 - 40 kg/cm <sup>2</sup>
Coolant	Micro Mist Tank Capacity	0.5 ltr
Machine Floor Space	Dimensions - With Bar Feeder Dimensions - Without Bar Feeder	7055 x 2510 x 2960 mm (L x W x H) 2000 x 2510 x 2960 mm (L x W x H)
Weight	Machine Weight Bar Feeder Weight - 6 meter	2500 kg. 1050 kg.

*Due to continuous improvement of the product, SPM reserves all rights to change the above specifications without any prior notice.*

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