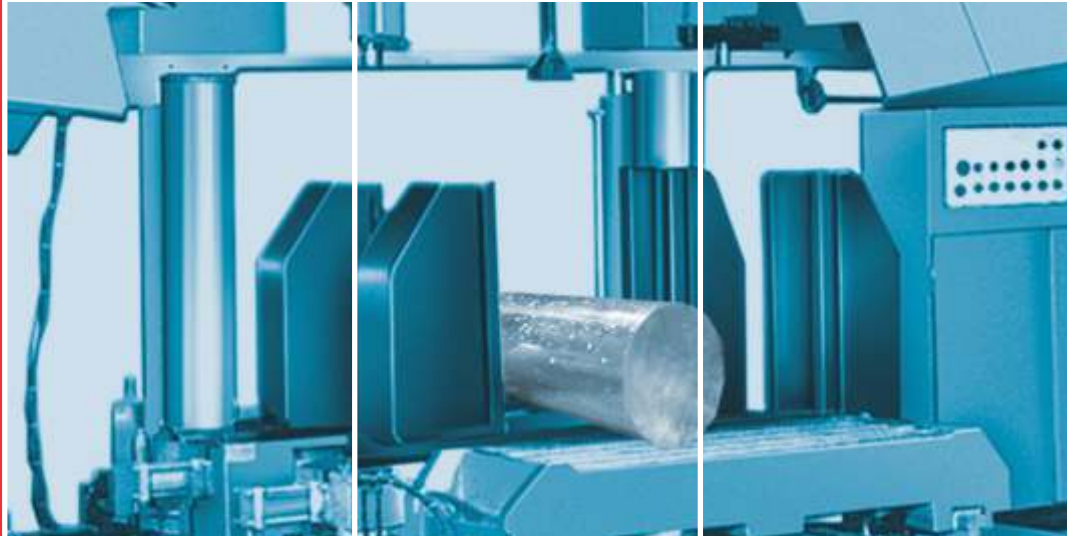




SPM TOOLS

Semi
Automatic



Double Column Band Saw Machines

DCM SERIES

- Rugged & Heavy Duty
- Highly Productive
- Higher Cutting Rate
- Better Cutting Performance





Horizontal Double Column Band Sawing Machine, DCM Series

"SPM" Horizontal Double Column Semi Automatic Band Saw Machine is a very rigid, sturdy machine and torsion free in construction.

SAW HEAD : Saw Head unit is supported by two rigid hard-chrome plated and ground vertical columns and sturdy fabricated frame. The housing are provided with sliding guide parts, free from any play and are well lubricated.

The blade is guided by roller and carbide wear pads. The blade can be tightened released hydraulically. The blade tension is infinitely variable. No sooner the machine stops, the blade tension gets automatically decreased and will be fully tensioned after restart of machine. The saw has sufficient drive power. The automatic tracer optimises the ideal height position of saw frame with least possible down time.

SAW FEED : Saw Feed "Up and Down" motion is controlled by hydraulic cylinder and regulated by a pressure compensated feed valve with fast approach, slow feed and rapid return.

CLAMPING : This is controlled by hydraulic vice. The jaw of the vice is perpendicular to the blade. The moving jaw of the vice clamps the job with sufficient infinitely variable hydraulic pressure for safe clamping of hollow and thin walled tubes too.

CUT OFF LENGTH : It can be set manually by a swing type dead stop.

ACCURACIES : Taper 0.1 mm for 100mm Ø

CHIP CONVEYOR (Optional) : Chip Conveyor can be provided at an extra cost , to remove Swarf from the machine.

BLADE WHEELS : 2 Nos. wheels with optimum indication and center distance gives smooth blade twisting force and excellent blade performance.

SAFETY : Adequate safety guards necessary interlocks are provided for safe working of the machine. Automatic stop of saw and saw frame down are the other features of the machine.

POWER SWARF BRUSH : Power driven band brush, mounted on straight shaft and two ball bearings is provided for efficient chip removal.

Standard Equipments :

- 1) Complete electrical equipment including motors
- 2) Complete hydraulic system
- 3) Hydraulic feed with automatic controls , cutting pressure & overload protection.
- 4) Complete coolant system with pump & piping
- 5) Power driven brush for Chip removal
- 6) One bimetal blade
- 7) Quick acting length setting. (for above Ø 500mm)
- 8) Gear Box with worm & worm wheel
- 9) Operating Tools & Spanners

Optional Accessories :

- 1) Chip Brushes
- 2) Roller Table 1500mm/2000mm
- 3) Bimetal Band Saw Blade
- 4) Variable Vice Pressure
- 5) Chip Conveyor

SPECIFICATIONS :

MODEL	Unit	160	260	340	421	500/550	650
Cutting Capacity dia □	mm	160 Ø 160x160	260 Ø 260 x 260	340 Ø 340 x 340	420 Ø 420 x 420	500 Ø/550 Ø 500 x 500/ 550 x 550	650 Ø 650 x 650
Cutting Speed	m/min	25-100	20-100	20-110	27-80	27-80	27-80
Blade Size	mm	3505x27x 0.9	4100x34x 1.1	4860x41x 1.3	5800x41x 1.3	6270x41x 1.3	7600x54x 1.6
Saw Motor Capacity	KW HP	2.2 3	3.7 5	3.7 5	5.5 7.5	5.5 7.5	7.5 10
Hydraulic Motor Capacity	KW HP	0.75 1.00	1.1 1.5	1.5 2	1.5 2	1.5 2	1.5 2
Hydraulic Tank	LTR	35	65	100	110	150	150
Coolant Motor Capacity	KW HP	0.1 0.134	0.1 0.134	0.1 0.134	0.25 0.33	0.18 0.25	0.18 0.25
Coolant Tank	LTR	50	50	75	180	180	180
Approx. Net Wt.	kg.	1200	1500	1800	3000	4000	5000

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



SPM TOOLS

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