



SPM TOOLS

Double Column Band Sawing Machine

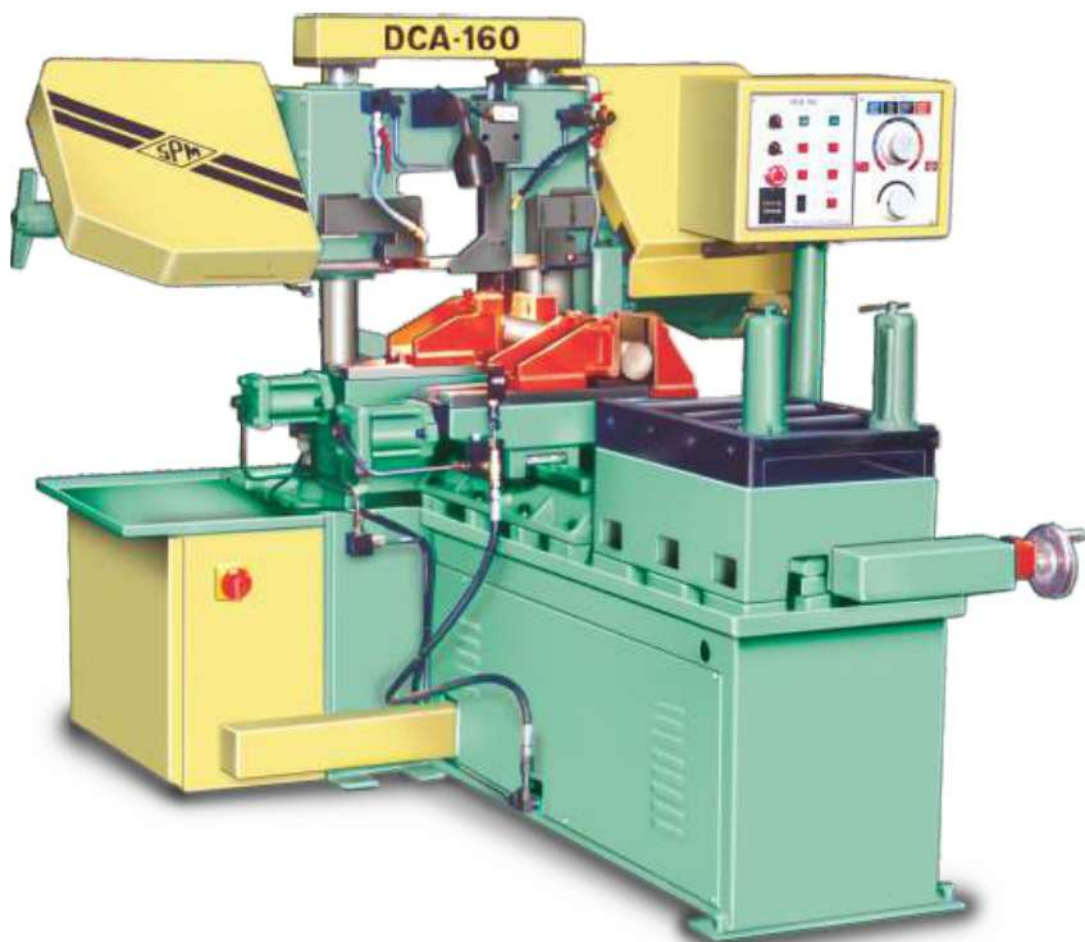
# DCA-160

Rugged & Heavy Duty

Better Cutting Performance

Highly Productive

Higher Cutting Rate



***Fully Automatic***



## Horizontal Double Column Band Sawing Machine, Model : DCA-160

"SPM" Horizontal Double Column Fully Automatic Band Sawing Machine DCA-160 is a very rigid, sturdy and torsion free construction.

### Saw Head :

Saw Head unit is supported by two rigid hard-chrome plated and ground vertical columns and sturdy C.I. frame well lubricated.

The blade is guided by rollers & carbide wear parts. The blade is manually tightened to the recommended tensile strength for the Saw Blade. The saw has sufficient drive power.

The rapid approach system ensures that minimum time is taken even for small jobs.

### Saw Feed :

Saw Feed "Up & Down" motion is controlled by hydraulic cylinder and regulated by a pressure regulated feed valve.

### Clamping & Feeding :

This is controlled by hydraulic vices. The jaws of front and rear vices are in one straight line and perpendicular to the blade.

The moving jaws of both vices clamp the job with sufficient infinitely variable hydraulic pressure for safe clamping of hollow & thin walled tubes too. Both jaws of the rear vice are withdrawn hydraulically on declamping by floating vice.

This ensures that feed vice moves backward freely even if bends exists on the forged or rough bars.

### Specification :

Cutting Range	□ Ø 160 mm
Feed Length Range	0-400 mm
Construction	Double Column
Cutting Speeds (Stepped Pulley-4 speeds)	25-100 m/min
Total Power	4.2 HP
Operating Voltage	440 V, 50 Hz, 3 ph
Space Requirement	1820 x 2000 mm
Net Weight	1.4 ton
Height	1500 mm
Blade Size	3505x27x0.9 mm
Band Tension	Manual
Saw Feed Control	Hydraulic
Head elevation, clamping & feed vices	Hydraulic

### Pre-selection counter :

Pre-determined No of pieces to be cut, can be set on the piece counter and the machine stops after cutting the set quantity.

### Cut-off-length :

It can be set up to 0.1 mm on the mechanical counter by a hand wheel.

### Accuracies :

Length  $\pm$  0.2 mm, Taper 0.1 mm for Ø 100 mm.

### Chip Conveyor (Optional) :

Chip Conveyor can be provided at an extra cost, to remove Swarf from the machine.

### Blade Wheels :

400 mm dia 2 Nos. wheels with 45° inclination and center distance gives smooth blade performance.

### Safety :

Adequate safety guards necessary interlocks are provided for safe working of the machine. Automatic stops 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) Complete coolant system with pump & piping.
- 4) Power driven band brush for Chip removal.
- 5) Gear box with worm & worm wheel.
- 6) One Bimetal Blade.
- 7) Operating tools & Spanners.

### Optional Accessories :

- 1) Chip Brushes
- 2) Roller Table 1500 mm.
- 3) Bimetal Band Saw Blade.
- 4) Variable Vice Pressure.
- 5) Hydraulic Band Tensioning.
- 6) PIV Drive.
- 7) Chip Conveyor.
- 8) Nesting Fixture for bundle clamping.
- 9) Variable Frequency Drive.
- 10) Floating Vice.

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

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