



SPM TOOLS

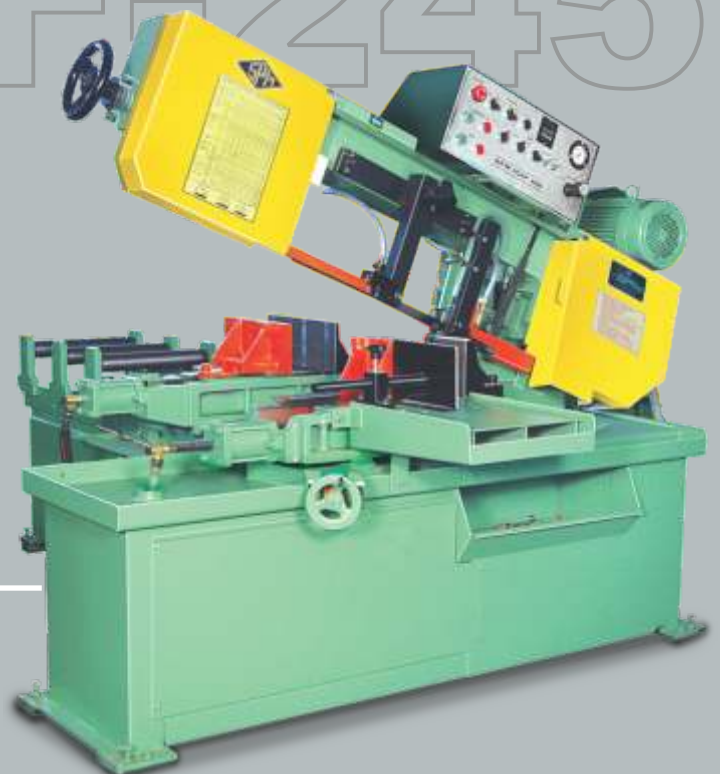
Fully
Automatic



Horizontal Band Sawing Machine

FCAF-245

- High Speed Cutting
- Using Bimetal Bandsaw Blade
- Fast.. Accurate.. Rugged
- Highly Productive
- Low Operation Cost



Fully Automatic - Horizontal Band Sawing Machine

FCAF-245

SPM Horizontal Bandsaw Machine, Model : FCAF-245 is a fully automatic machine, swing type in construction. The machine base, frame and stock table are of heavy weld steel and is torsion and vibration free.

Cutting speed is infinitely variable, so that, steel as well as non ferrous material can be cut. Blade speeds are available from 24 to 100 m/min., which enables use of Bimetal Bandsaw Blades. As such high speed cutting gives faster cutting 4 to 5 times more than that with the conventional machine. Workpiece length accuracy of ± 0.25 mm, Taper 0.1 mm for 100 mm \varnothing , can be achieved, hence minimum material wastage.

The machine is fully protected to give maximum safety and prevent accident.

The machine is provided with a centralized control panel placed within operator's reach. A calibrated band speed selector is placed within convenient reach of the operator. The machine is fully automatic. Once the desired quantity is set on counter and machine is started, the machine stops automatically after completion of preset quantity.

The saw is precisely guided by means of a roller guide system and in addition, by solid carbide inserts.

Cutting Length Setter

Handwheel is provided to set cutting length upto 600 mm which can be easily read on a digital counter in increment of 0.1mm.

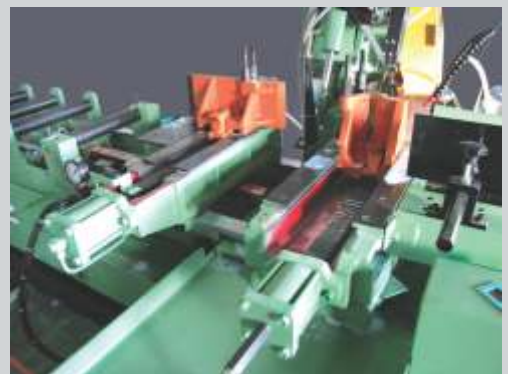
The multiple stroke counter makes it possible to multiply the number of index cycles when pieces longer than 600 mm are required.



Auto Length Indexing

The hydraulically operated rear vice mounted on a slide, moves bar stock forward as per the preset length.

The forward and backward movement of the vice is automatic.



Nesting Fixture / Bundling

Nesting Fixture is provided for cutting small size bars by stacking/bundling with an additional top clamping.

This further increases productivity, ease of operation and reduction in material handling.



Chip Conveyor :

4" Ø open screw coil conveyor with through perforation at the charge bottom with 0.25 HP Geared Motor Drive Unit having 15° inclination for efficient conveying of scrap to the container.



PIV Drive Unit :

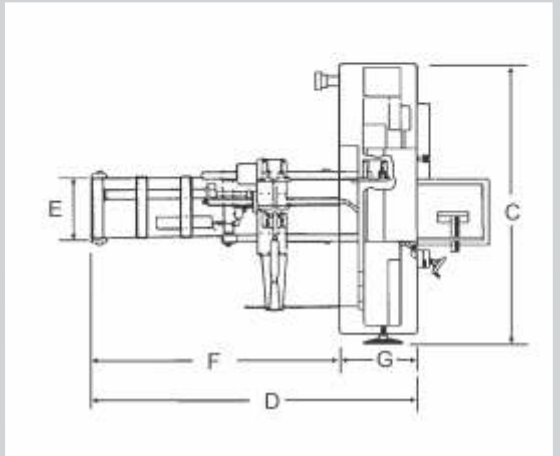
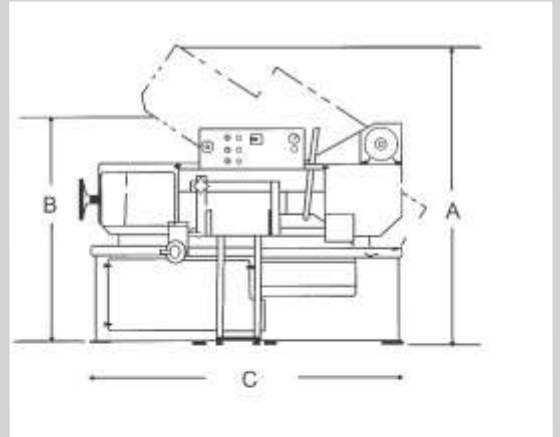
Infinitely variable band speeds :

Infinitely variable speed drive unit (PIV Unit) used for changing cutting speed of Bandsaw blade from 24-100m/min, for different types of material to be cut.

Cutting speed can be easily change during the drive motor running.



Overall Dimensions of Machine



A	(head up) 1825 mm
B	(head down) 1400 mm
C	1810 mm
D	2150 mm
E	430 mm
F	1630 mm
G	520 mm



The Bandsaw has a Centralized Control Panel, conveniently positioned on the top of Saw head for easy operation.

Auto "Shut-off" counter is provided. 'Feed force control dial' is provided for adjusting down feed.

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FCAF-245

Specifications :

Cutting Capacity	245 Ø 230 □
Bimetal Blade Size	3760x27x0.9 mm
Feeding length range	0-600 mm
Drive motor	2.2 KW
Band Speed (Infinitely Variable)	24-100 m/min
Hydraulic drive	0.75 KW
Floor area	1875 X 2900 mm
Machine height	1750 mm
Machine weight net	950kg.
Band tension	Manual
Head elevation, Clamping & feed vice	Hydraulic
Saw feed control	Hydraulic

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

Standard Equipments :

- 1) Electrical Control equipment including motors.
- 2) Complete hydraulic system
- 3) Hydraulic feed with automatic controls , cutting pressure
- 4) Complete coolant system with pump & piping.
- 5) Power driven brush for Chip removal.
- 6) Blade Speed indicator chart
- 7) Pre selection of cuts via electric counter
- 8) One Bimetal Band Saw Blade 3760 x 27 x 0.9mm
- 9) PIV Drive Unit
- 10) Operating tools and spanners.

Optional Accessories :

- 1) Nesting fixture with capacity of 110-150 W, 60-100 ht.
- 2) Multiple indexing attachment
- 3) Variable vice pressure
- 4) Roller Stock Table for 1500 mm
- 5) Chip Conveyor
- 6) Hydraulic Band Tension



SPM TOOLS

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