

# Product Overview



MANUFACTURING COMPANY, INC.

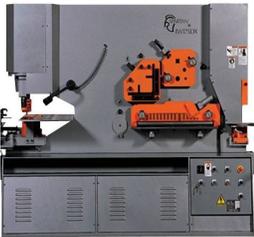
## Vertical Tilt Frame Band Saws



Ironworkers

Contour Saws

Plate Saws



Horizontal Band Saws

Carbide Circular Saws



Expect Quality, Demand Performance

www.marvelsaws.com

MANUFACTURING COMPANY, INC.

## Series 8 Mark III

Miter cuts up to 60° with optional power column tilt. Column adjustable from 90° to 3° canted.

Capacity: 18" X 22" (457mm x 560mm)

at 45° 18" x 14.5" R, 13" L (457mm x 368mm R, 330mm L)

at 60° 18" x 9.7" R, 7.3" L (457mm x 246mm R, 185mm L)

Blade Speed: 50-450 FPM (15-137m/min)

Feed: 0-250 lbs (0-64kgf)

Motor: 5 H.P. (3.85kw)

Blade: 15'4" x 1.25" x .042 (4674mm x 32mm x 1.07mm)

Shipping Weight: 2900 lbs ( 1315kg)



## Series 8 Mark II

A truly universal machine capable of making virtually any conceivable straight or miter cut (45° right & left). Available in both standard and high column models with or without the optional 3° column. All mechanical.

Capacity: 18" x 22" (457 mm x 560 mm)

at 45°: 18" x 12-3/4" (457 mm x 324 mm)

Blade Speed: 50-450 FPM (15-137 m/min)

Feed: 0-140 lbs (0-64 kgf)

Motor: 2 H.P. (65 kw)

Blade: 14'6" x 1" x .035" (4420 mm x 25 mm x .89 mm)

Shipping Weight: 2870 lbs (1300 kg)

## Series 2125A-PC3S-60/2150A-PC3S-60

High-production, versatile, large capacity 60° mitering bandsaw. Standard features include Touchscreen [PC3 Control](#), 3° canted saw frame, 60° mitering both right and left, vector electric blade drive, 1-1/4" or 1-1/2" blade, and servo-drive automatic bar feed with 48" index.

Available Extended Feed Lengths: 8', 13', 18'

Capacity: 20" x 25" (508 mm x 635 mm)

Blade Speed: 30 - 650 FPM (9 - 200 m/min)

Feed: 0-350 lbs. (0-1560N)

Motor: Series 2125: 7.5 H.P. (5.6 kw)

Series 2150: 10 H.P. (7.5 kw)

Blade: Series 2125: 17'6" long x .042 x 1.25"

Series 2150: 18'2" long x .050 x 1.50"

Shipping Wt: 8480 lbs. (3846 kg)



## Series 2125A-PC3-60/2150A-PC3-60

High production, versatile, large capacity 60° mitering, both right and left, bandsaw. Standard features include: Marvel [PC3 Control](#) (PC) or Manual (M), 3° canted saw frame, vector electric blade drive and automatic bar feed with 48" index.

Capacity: 20" x 25" (508 mm x 635 mm)

Blade Speed: 30 - 475 FPM (9-145 m/min)

Motor: 7.5 H.P. (5.6 kw)

Blade: Series 2125: 17' 6" long x .042 x 1.25"

Series 2150: 18'2" long x .050 x 1.50"

Shipping Wt: 7000 lbs. (3175 kg)



## Series 380A-PC60

The 380 offers productivity in a slightly smaller package, combining many of our most popular features such as 60° mitering, patented Easy-Load blade guides, quick change adjustable column cant and our 48 inch double ball screw automatic bar feed with high speed travel for faster cycle times. Additional features include linear ways on the column, bar feed and guide arm as well as two exciting new innovations; **Direct Force Sensing Electric Feed** and the **Marvel PC3 Control**.

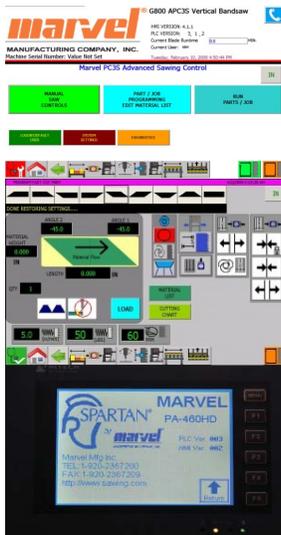
Capacity:	15" x 20" (381 mm x 508 mm)
Blade Speed:	60 to 400 FPM (18 to 122 m/min)
Motor:	5 H.P. (3.75 kW)
Blade:	16' long x 1.25" wide x .042" (4877 x 1.07 x 32 mm).

## 800A-PC3S-60

800APC - Featuring the **PC3S Control** this saw includes: Automatic indexing, heavy-duty, hydraulic, metal cutting, high-speed band saw with programmable control and servo shuttle.

Capacity Nominal	31.25" x 37.5" (794 mm x 952 mm)
Capacity 45° Right	31.25" x 25.5" (794 mm x 648 mm)
Capacity 45° Left	31.25" x 24.75" (794 mm x 629 mm)
Capacity 60° Right	31.25" x 17.5" (508 mm x 444 mm)
Capacity 60° Left	31.25" x 16" (508 mm x 406 mm)
Speed Range	60 to 400 FPM (18.3 to 122 m/min)
Feed Force	0 – 350 lbs. (1560 N)
Blade Size	25' long x 2" wide, .063" (7620mm x 51mm x 1.6mm)

**Largest Vertical Tilt Frame Band Saw In The World**



## Marvel PC3 & PC3S

The Marvel **PC3 & PC3S Controls** feature a Material Library with pre-programmed cutting parameters for various material types. Customers can either use the default settings or enter their own. This feature reduces set-up time while removing the guess work from setting the speeds and feeds for different types of material. Program up to 500 individual parts which can then be loaded into jobs. This function allows operators to quickly setup, save, and recall repeat parts. The Marvel PC3S control is the only saw control on the market to offer a feature that will automatically cut multiple angles on the end of an incoming work piece. The multiple angle or "bullet nose" feature is available on Marvel's Series 2000 machines that are equipped with servo controlled automatic bar feed tables.

## EPC Control

The Spartan EPC Programmable control is available on all Spartan Horizontal Production Band Saws. This user friendly touch screen control allows the operator to quickly and easily program and store up to nine jobs.

## Material Handling **(Custom Solutions)**



Marvel, a leader in integrated material handling systems, offers a wide variety of options to meet the high demand for increased cutting efficiencies. The turn-key, fully integrated material handling systems can be included to serve one or multiple machines. One can choose from a wide range of features that can include: powered or dead roller tables, several methods of material loading systems, cut material ejectors with storage tables and programmable positioned gauging. All systems are custom designed to meet your specific requirements.



## Horizontal Scissor Style Band Saws

Spartan horizontal band saws are available in five different models, with round capacities ranging from 10" to 28". All machines are designed for high production, fully automatic cutting applications. Standard features on all models include: full stroke vises, hydraulic blade tension, infinitely variable blade speeds with electric tachometer, digital length settings, multi-index, piece counter, out of stock switch, motion detector, fast approach, work light and powered blade cleaning brush.

Model:	Capacity Rounds:	Blade Width:
PA-10/3	10" (250 mm)	1" (25 mm)
PA-13/3	14" (356 mm)	1-1/4" (32 mm)
PA-18/3	18" (457 mm)	1-1/2" (41 mm)
PA-22	22" (560 mm)	2" (50 mm)
PA-28	28" (700 mm)	2" (50 mm)

## Horizontal Post Style Band Saws

This rugged twin post machine specifically designed to cut speciality steels. Post styles have greater rigidity, stronger design for increased cutting performance and longer blade life. Easier to manually position material under the blade because the blade is always parallel to the work. Features include rigid construction, 5 H.P., 10H.P. blade drive, vibration dampening system and split front vise jaws that hold remnants to as little as 3 inches.

Model:	Capacity:	Blade Width:
PA260 EPC	12" x 10.25"	1-1/4" (34mm)
PA360 EPC	14" x 14"	1-1/4" (34mm)
PA460 HD	20" x 18"	1-1/2" (41mm)



## Double Column Saws

Our double column band saws feature straight and miter cutting with capacities from 20" to 80" and blade sizes from 1-1/2" to 3". Some models include powered moveable guide arm, out of square protection, dual vising, variable blade speed, and a stock positioning hydraulic shuttle table. Standard features include: hydraulic blade tensioning, motion detector, hydraulic down feed, roller bearing and hydraulically actuated carbide blade guides, cut line indicator, and vibration dampening bar. For structural cutting, a swivel machine is available with a base that swivels both ways.

Model:	Capacity:	Blade Width:
PB-2022	20" x 22"	1-1/2" (41mm)
PB-2828	20" x 28"	2" (54mm)
PB-2840	28" x 40"	2" (54mm)
PB-4043	40" x 43"	3" (80mm)
PB-5252	52" x 52"	3" (80mm)
PB-5263	52" x 63"	3" (80mm)
PB-6363	63" x 63"	3-1/8" (80mm)



## Ironworkers

Spartan Ironworkers offer excellent value with impressive capacities in punching, flat bar shearing, angle shearing, bar shearing, notching, and special tooling. All of the two cylinder Spartan Ironworkers now offer an electric backgauge as standard equipment. Full control foot pedals, see-through stripper, and two hole die holder (D & DX series only) are only a few of the standard features available on Spartan Ironworkers. 20" throat models available (DX).

Model:	Capacities:
MIW 50S	50 Tons
MIW 66S/IW 66D	66 Tons
IW 88D	88 Tons
IW 110D/2	110 Tons
IW 135D	135 Tons
IW 180DX	180 Tons

## Spartan Ironworker/Marvel Ironworker



## Spartan S330/2

Economical and versatile, this horizontal swivel head machine offers miter cutting capability from -45° to +60°. Capacity: 12" x 18" (300 mm x 460 mm) 13" Round at 45°: 11" x 12" (280 mm x 300 mm) 12" Round at 60°: 11" x 8" (280mm x 203mm) 9.5" Round  
Blade Speed: 90/140/220/320 SFPM  
Motor: 2 H.P. (1.5 kw)  
Blade: 13' 6" x 1" x .035"  
Shipping Wt: 2900 lbs. (1315 kg)

\*Pictured w/ optional free standing controls

## Contour Saws

Spartan Contour saws are available with either 20" (500 mm), or a 36" (914 mm) throat capacity and are equipped with a stationary table that can be tilted 45° right and 10° left for miter work. All models feature standard equipment including the welder, annealer, grinder, blade shear, work light, chip blower, and blade tension indicator. These machines are designed for rugged performance on a wide variety of materials at a minimum cost.

Blade Speed: Low: 50 fpm, High: 5000 fpm  
Motor: 3 H.P. (65kw)  
Blade Width: 1/8"-1" (3.18 mm-25 mm)



## Carbide Circular Automatic Saws

High speed production carbide circular saw. Ideal for 90° cuts on solid or heavy wall material providing extreme accuracy and finish. Standard features include touch-screen controls, servo driven ball screw feed, servo drive automatic bar feed, automatic loading table, hydraulic discharge shuttle, carbide blade guides, chip conveyor, air filter, mist type coolant system, and inverter control blade speeds.

Model:	Capacity Rounds:	Blade Diameter:
P-70B	2-1/2" (65 mm)	11" (280 mm)
P-100B	4" (100 mm)	14" (360 mm)
P-150B	6" (150 mm)	18" (460 mm)
P-230B	9" (230mm)	29.5" (750mm)
PAL-150A	6" (150 mm)	18" (460 mm)



## Plate Saws

Heavy Duty Construction and large capacity vertical plate saw. Standard features include space saving moveable saw head, precision linear ways, hydraulically positioned saw guide arm, hydraulic blade tension, AC servo/feed, programmable feed and blade speed settings, rapid approach and return of saw head, motion detector, automatic feed adjustment, on-screen self diagnostic, out-of-square detector, and automatic chip conveyor.

Capacity:	Blade Size:	Table Length:
16" x 20"	1-1/2"	5' & 8'
28" x 28"	2"	5' & 8'
16" x 28"	1-1/2"	10', 15' & 20'
28" x 40"	2"	10', 15' & 20'
40" x 52"	2-5/8"	10', 15' & 20'
52" x 63"	3"	10', 15' & 20'



\*PS-2460CC



\*PS-4052/20



\*PS-2828

## Marvel Mfg. Co.

Marvel has been designing and manufacturing sawing equipment for more than 100 years. We carry on this proud tradition today to assure that every piece of equipment we offer is of the highest quality and workmanship.



Marvel Manufacturing



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