

marvel[®]

MANUFACTURING COMPANY, INC.

380A-PC3-60

CAPACITY: 15" X 20"

BLADE WIDTH: 1.25"

**AUTOMATIC INDEXING,
MID-DUTY, HYDRAULIC,
HIGH-SPEED BAND SAW**



380A-PC3-60

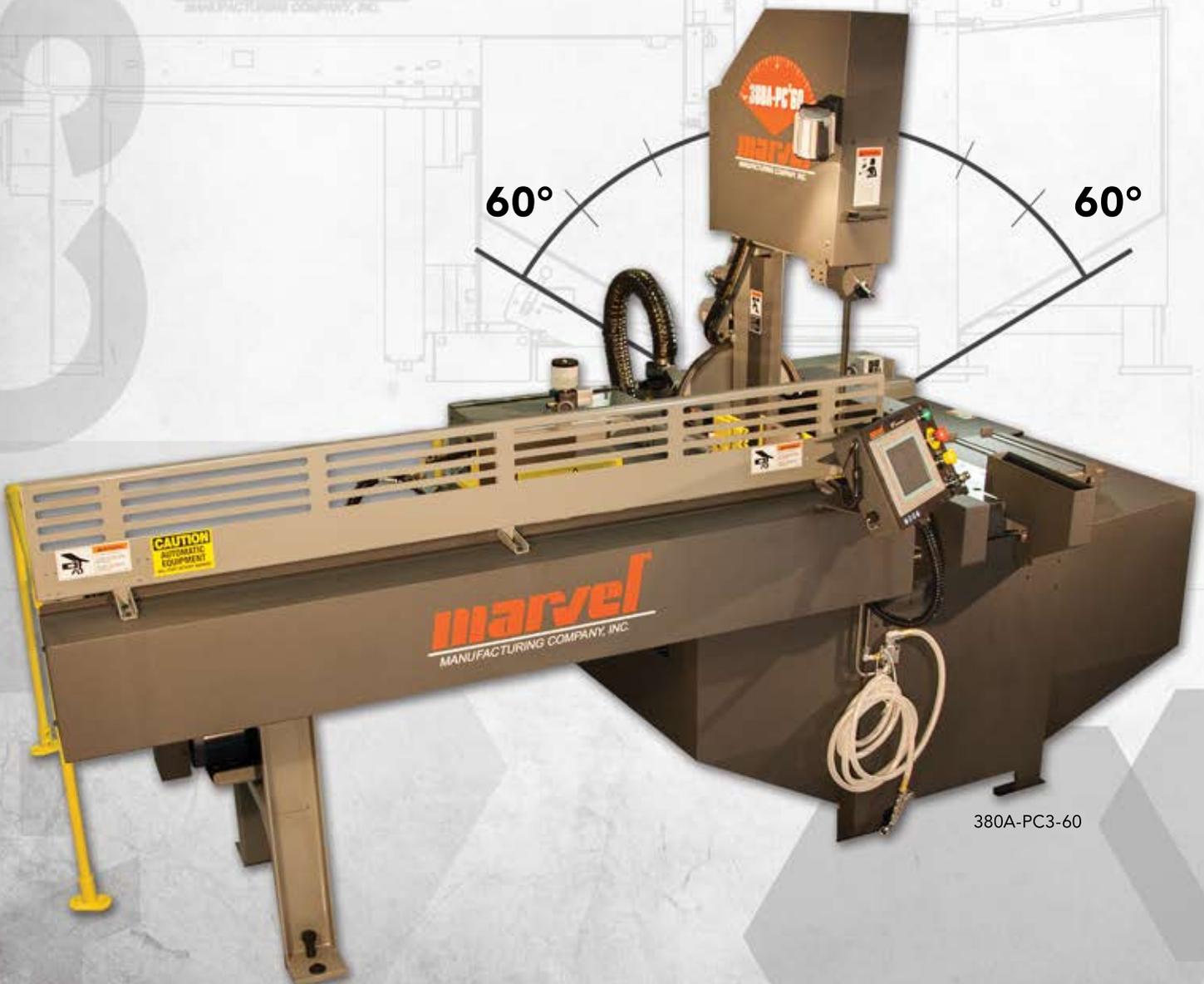
- TOUCH SCREEN CONTROL
- SPEED RANGE: 60 - 400 FPM
- HYDRAULICALLY CONTROLLED BLADE TENSION
- AUTOMATIC SENSOR FOR JAMMED BLADE PROTECTION



EXPECT QUALITY, DEMAND PERFORMANCE

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- 15" x 20" cutting capacity
- 1.25" blade
- 60° mitering left and right
- 48" double ball screw automatic bar feed with high speed travel for faster cycle times.
- Direct Force Sensing Electric Feed combining more consistent feed force with greater control.
- Direct positioning feedback on automatic bar feed.
- Marvel's patent pending "Easy Load Blade Guides"
- Precision linear ways on column, automatic bar feed, and guide arm.
- Inverter blade drive with sensorless vector control.
- Patent pending quick change column design, adjustable from 90° to 3° forward cant.
- Jammed blade protection guards against blade damage.



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PC3 PROGRAMMABLE CONTROL

- User friendly full color touch screen control.
- Graphical part programming & user friendly interface.
- Memory for up to 500 jobs and parts stored on removable media.
- A customizable material library.
- Blade speed, feed pressure and feed rate are automatically set either by material type or pre-programmed job.

EASY LOAD BLADE GUIDE

- Our patented easy-load blade guides make blade changes easier than ever.
- The blade change mode selector switch locks out all other saw functions while the blade is being changed.

AUTOMATIC BAR FEED

- The 380 features the 48" double ball screw bar feed design with following support rollers, shuttle speeds up to 60fpm and repeatability tolerances of +/- .005"
- The 380 bar feed uses preloaded recirculating linear guides with the electronic measuring scale implanted within the linear rail.



HYDRAULIC VISES

- The vises are two stage half stroking. The vise jaws are easily repositioned on the clamping cylinder to cover a range of either 15" - 7.5" or 8.5" to 0.5".
- The vise controls are conveniently located on the PC3 touch screen control.

*Pictures may include some optional equipment.

*Some safety equipment may have been removed or opened to illustrate products clearly and must be in place, and functioning, prior to operation.

PRODUCT SPECIFICATIONS

380A-PC3-60

Capacity	Rectangular	Rounds
Capacity Nominal 0° Cant	15" x 20" (381 mm x 508 mm)	15" (381 mm)
Capacity 45° Right	15" x 14" (381 mm x 355 mm)	14" (355 mm)
Capacity 60° Right	15" x 9.25" (381 mm x 235 mm)	9.25" (235 mm)
Capacity 45° Left	15" x 13.25" (381 mm x 336 mm)	13.25" (336 mm)
Capacity 60° Left	15" x 8" (381 mm x 203 mm)	8" (203 mm)
Capacity Nominal 3° Cant	14.5" x 20" (368 mm x 508 mm)	14.5" (368 mm)
Capacity 45° Right	14.5" x 13.5" (368 mm x 343 mm)	13.5" (343 mm)
Capacity 60° Right	14.5" x 8.75" (368 mm x 222 mm)	8.75" (222 mm)
Capacity 45° Left	14.5" x 12.75" (368 mm x 324 mm)	12.75" (324 mm)
Capacity 60° Left	14.5" x 7.75" (368 mm x 197 mm)	7.75" (197 mm)

Blade Drive	5 hp
Speed Range	60 to 400 FPM (18 to 122 m/min)
Feed Force	0 - 300 lbs (0-1335 N)
Blade	16' (4877 mm) long x 1.25" (32 mm) wide, .042" (1.07 mm)
Blade Tension	35,000 psi. max. (241 MPa)
Main Drive	5 H.P. (3.75 kW)
Coolant Pump	1/8 H.P. (.1 kW)
Hydraulic Pump	2 H.P. (1.5 kW)
Hydraulic Oil	13 gallons (59 liters)
Cutting Fluid	2 gallons (18 liters)

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