



**Patriot 3
Wide Belt Sanders**

MS MIDWEST
SANDRIGHT

American innovation at work.

midwest 
GROUP ONE

Patriot 3

Wide Belt Sanders

The *Patriot 3* is designed for continuous use in the most demanding solid wood applications.

Works Harder
Runs Smoother
Lasts Longer



Standard Features

- Made In U.S.A.
- Two and three head configurations
- Standard 52" abrasive belt width
- Large diameter abrasive belt drums
- Large diameter conveyor bed & idler rollers
- Electronic abrasive belt tracking system
- Automatic conveyor belt tracking
- HMI/PLC control package with color monitor
- Electronic panel thickness with positioning unit
- Electronic variable line speed with digital readout
- 30-60 HP TEFC drive motors for each head
- Individual amp meters for each head
- Automatic disc brake on each head
- 18" infeed conveyor extension
- Double infeed & outfeed holddown rollers
- Emergency stops & safety interlocks



Rollers & Drums

Large diameter rollers and drums are machined and high-speed balanced (where applicable) for vibration-free, precision results.



Heavy Duty Frame

Rugged frame construction utilizing heavy wall structural steel tubing, and 1" thick plate to insure years of dependable service.

Optional Equipment

- External panel cleaning brush
- External belt cleaning brush
- Adjustable drum with eccentric
- Abrasive belt motor upgrades to 60 HP
- Vacuum bed
- Gum rubber conveyor belt
- Ultrasonic abrasive belt tracking system
- Electronic variable speed drum(s)



Combination Head

With adjustable platen.



**Ask about our 24-Hour Parts Guarantee
for Patriot Wide Belt Sanders!**

Patriot 3 Close Up Shots

Belt Tracking



Self-aligning abrasive belt tracking system.

Combination Head



Shown with optional adjustable drum.

Tension Cylinder



Large bore pneumatic cylinder.

Adjustable Platen



Adjustable platen with helical worm gear design.

Pinch Rollers



2 Heavy duty spring-loaded pinch rollers.

AC Drive Motor



Brush head assembly with wire brush to improve finish quality.

Control Panel



Optional HMI/PLC controls with color monitor.

Conveyor Bed



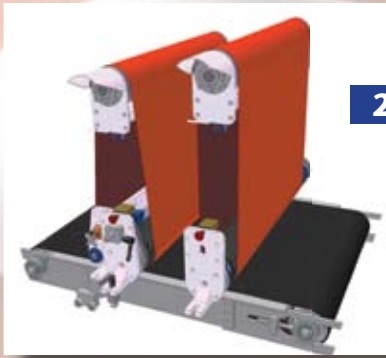
Conveyor bed with automatic belt tracking system.

Main Drive Motors



Individual TEFC drive motors with disc brake & pneumatic caliper.

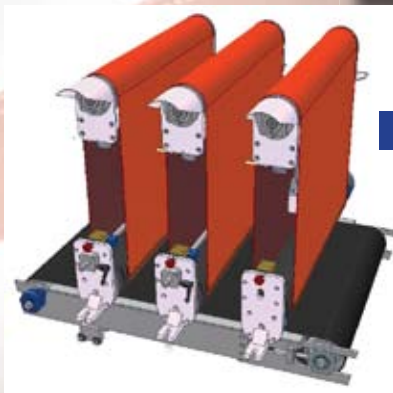
Machine Configurations



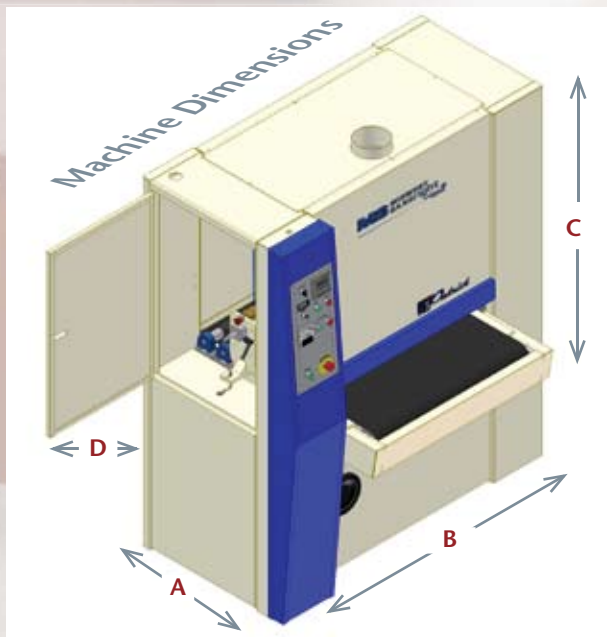
2 Head - DC



3 Head - DDC



3 Head - DDD



PATRIOT 3 SPECIFICATIONS	
Working width	52"
Working height	0-6"
Minimum parts length	21-1/2"
Abrasive belt dimesions	52" X 103"
Drum diameter	12"
Pinch roller(s) diameter	2-1/2"
Platen width	2-1/2"
1st head motor	40 hp
2nd head motor	30 hp
3rd head motor	30 hp
Conveyor motor: 2 head models 3 head models	3 hp 5 hp
Conveyor roller diameter	6"
Feed speed	5-40 fpm
Height adjust motor	1/2 hp
Dust collection hookup(s) diameter	7" each
Approximate CFM Requirement (per head)	1800 @ 4000 fpm

2 HEAD

MODEL	52
Dimensions	Inches
A	73
B	73
C	76
D	41
Weight	TBD

3 HEAD

MODEL	52
Dimensions	Inches
A	101
B	73
C	X
D	65
Weight	TBD

More machines from Midwest Sandright

Patriot 1 Wide Belt Sanders

The **Patriot 1** wide belt sander is an entry level machine for small shops that need to sand solid wood components in a 4 to 8 hour per day operation. Easy to operate. Dependable. Domestic parts and service. Toll-free customer service.

*Made in USA
Local Service
Competitive Price
Easy to Operate*



Patriot 2 Wide Belt Sanders

*Classic American Craftsmanship
World Class Design*

The **Patriot 2** wide belt sander is ideal for the company that requires a machine designed to stand up to years of continuous service in an 8 to 16 hour per day environment. Two and three head configurations are available where fewer passes are required to achieve the desired results.

**Ask about our 24-Hour Parts Guarantee
for Patriot Wide Belt Sanders!**



Titan Calibrating Abrasive Planer

Precision 24/7 Operation

A Real Work Horse for Tough Calibrating Applications



The **Titan** heavy duty, abrasive planer is ideal for calibrating stile and rail banded architectural door cores.

Constant pass line height for inline operation.

Made in USA.

Explorer

Custom Wide Belt Sanding Machines & Systems

The **Explorer** is our custom line of sanding machines designed to meet your specific requirements. Available in top and/or bottom, single or multiple head configurations, in widths from 12 to 64 inches.

Constant pass line height and material handling integration is also available, if required. Made in USA.



Made in USA, Midwest Sandright

manufactures a variety of wide belt sanding machines offering superior results, easy operation, and dependable service at competitive prices. Products include the Patriot line of wide belt sanders with one, two or three head configurations offering 4 to 8 hours, 8 to 16 hours, or continuous operation per day.

Also available are Titan abrasive planers, Tomahawk planer sanders, and Explorer custom sanding machines.



BUILT LIKE

Made in USA for American woodworkers when service matters

MS MIDWEST SANDRIGHT midwestgroupone.com **midwest GROUP ONE**

The advertisement features a large, stylized graphic of the words "BUILT LIKE" in a bold, green, sans-serif font. Below this, a detailed image of a military tank is shown from a three-quarter perspective. In the foreground, a white and blue wide belt sanding machine is displayed. The machine has a control panel on the left side and a large sanding drum. The background is a plain white surface.



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