Midwest Automation manufactures a variety of wide belt sanding machines offering superior results, easy operation, and dependable service at competitive prices. Made in USA, machines include the Patriot 2 line of wide belt sanders with one, two and three head configurations for 8 to 16 hours of operation per day where fewer passes are required to achieve the desired results. Bottom line? We help you sand better, increase productivity, and improve quality.

**STANDARD FEATURES**
- Heavy-duty frame utilizing structural steel tubing and 1” thick steel plate
- Heavy-duty conveyor bed is precision ground for flatness
- Four (4) precision jacks with covered gears and roller bearing guides
- One, two and three head configurations
- Standard 37”, 43” and 52” widths
- Large 6” diameter contact drum(s) are high speed balanced
- Large diameter conveyor bed and idler rollers
- Automatic self-centering abrasive belt tracking system
- Automatic conveyor belt tracking
- Electronic thickness adjustment with positioning unit
- Electronic variable speed controls on belt head
- External panel cleaning brush
- External belt cleaning brush
- Belt head adjustment with eccentric bearing
- Abrasive belt motor upgrades to 30 HP
- Vacuum bed
- Smooth top “Nitril” conveyor belt
- Ultrasonic conveyor belt tracking system
- Pneumatic pinch roll kit
- UL Approved electrical panel

**OPTIONAL EQUIPMENT**
- HMI/PLC controls with color monitor
- Electronic variable speed controls on belt head
- External panel cleaning brush
- External belt cleaning brush
- Belt head adjustment with eccentric bearing
- Abrasive belt motor upgrades to 30 HP
- Vacuum bed
- Smooth top “Nitril” conveyor belt
- Ultrasonic conveyor belt tracking system
- Pneumatic pinch roll kit
- UL Approved electrical panel

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

**Sideview**
- Two head model with drum and combination head

**Combination Head**
- With adjustable platen

**Heavy Duty Frame**
- Rugged frame construction utilizing 2” X 12” heavy wall structural steel tubing, and 1” thick plate to insure years of dependable service.
### Close Up Shots & Accessories

- **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**: 2.25" Heavy duty spring-loaded pinch rollers
- **AC Drive Motor**: Low maintenance AC drive with variable line speed from 5-40 fpm

### Machine Dimensions

#### 1 Head

<table>
<thead>
<tr>
<th>Model</th>
<th>37&quot;</th>
<th>43&quot;</th>
<th>52&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions Inches</td>
<td>57</td>
<td>57</td>
<td>57</td>
</tr>
<tr>
<td>A</td>
<td>66.5</td>
<td>73</td>
<td>81.5</td>
</tr>
<tr>
<td>B</td>
<td>76</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>C</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Weight</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

#### 2 Head

<table>
<thead>
<tr>
<th>Model</th>
<th>37&quot;</th>
<th>43&quot;</th>
<th>52&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions Inches</td>
<td>73</td>
<td>73</td>
<td>73</td>
</tr>
<tr>
<td>A</td>
<td>66.5</td>
<td>73</td>
<td>81.5</td>
</tr>
<tr>
<td>B</td>
<td>76</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>C</td>
<td>41</td>
<td>41</td>
<td>41</td>
</tr>
<tr>
<td>Weight</td>
<td>TBD</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>

#### 3 Head

<table>
<thead>
<tr>
<th>Model</th>
<th>43&quot;</th>
<th>52&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions Inches</td>
<td>101</td>
<td>101</td>
</tr>
<tr>
<td>A</td>
<td>73</td>
<td>81.5</td>
</tr>
<tr>
<td>B</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td>C</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Weight</td>
<td>TBD</td>
<td>TBD</td>
</tr>
</tbody>
</table>
Patriot Wide Belt Sanding Machines

**Patriot 3 Wide Belt Sanders**

The Patriot 3 is designed for continuous use in the most demanding solid wood applications. Large 10-inch diameter contact drums provide superior sanding results. Available in 2, 3 and 4 head configurations.

For Demanding Environments & Superior Results

Local Service
Competitive Price
Easy to Operate

**Titan Calibrating Abrasive Planer**

The Titan heavy duty, abrasive planer is ideal for calibrating stile and rail banded architectural door cores. Constant pass line height for inline operation.

Precision 24/7 Operation
A Real Work Horse for Tough Calibrating Applications

**Custom Wide Belt Sanding Machines & Systems**

The Explorer series is our custom line of deburring and finishing machines designed to meet your specific requirements. Available in wet or dry, top and/or bottom, and single or multiple head configurations in any width from 12" to 64".

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

Works Harder
Runs Smoother
Lasts Longer

**Midwest...Made in USA!**
YOUR REQUIREMENTS DRIVE OUR BUSINESS.

Midwest Automation is a family owned U.S. manufacturing company located in Minneapolis Minnesota.

For companies who care where the products they buy are made, it will come as no surprise that buying American is not as easy as it used to be. If you look closely you will discover that many of the machines represented to be “American made” are in fact imported from foreign countries.

For over 60 years, Midwest Automation has manufactured industrial machinery for the woodworking, composite panel and metalworking industries using U.S. labor, and locally available components whenever possible.

Our extensive application knowledge, coupled with creative machine designs, allows us to provide unique and reliable solutions that improve your manufacturing processes, supported by local parts and service.

If you are looking for an industrial machinery manufacturer with real application expertise, contact Midwest Automation today.

Manufacturing results since 1959.