

The background of the entire advertisement is a close-up, high-resolution image of the American flag. The stars and stripes are clearly visible, with the red and white stripes curving across the frame. The blue field with white stars is on the left side.

Sidewinder Wet
Deburring & Finishing Machines
Made in USA

M.S. MIDWEST
SANDRIGHT

American innovation at work.

midwest 
GROUP ONE



Multi-Directional Wet Deburring & Laser Oxide Removal Machines

The *Sidewinder* is the newest addition to our line of metal deburring and finishing machines. The newly designed Sidewinder is available in 18, 37, and 48 inch widths and is ideal for flat panels of any shape that require deburring or radiusing the edges, and/or removing laser oxide.

As a result of mounting the disc horizontally over the conveyor, the part is introduced in such a way that every edge, including holes and slots, are deburred and radiused using a 3M Scotch Brite™ pad. In addition, the machine can be used for laser oxide removal by refitting the disc with brushes.

Standard Features

- Heavy duty frame with heavy wall structural steel tubing and one (1) inch thick plate
- Constant pass line height
- Automatic, self-centering conveyor belt tracking system
- Smooth SBR rubber conveyor belt with vacuum hold-down
- Electronic variable speed AC drive with digital line speed display on control panel
- Electronic variable speed abrasive disc
- Note: D48 abrasive disc oscillates for full part coverage*
- Powered thickness adjustment with four (4) precision jacks guided on 1.5 inch gibs with digital display
- TEFC disc motor for head assembly with ammeter mounted on control panel
- Abrasive disc assembly is high speed balanced for precision operation
- Single infeed and outfeed pinch rollers
- Stainless steel drip pan and doors are corrosion resistant
- Automatic parts dryer with Air Sonic™ air knife and regenerative blower
- Automatic Paper Bed Filter™ with filter media, clean tank, sludge bin and clean return pump
- Central lubrication point
- Electric control panel with push button controls mounted on movable pendant arm
- Infeed end safety bar
- Safety interlocks and emergency stop
- UL/CSA Approved electric components



Automatic Paper Bed Filter™

Includes filter media, clean tank, sludge bin, and clean return pump.



Abrasive Disc

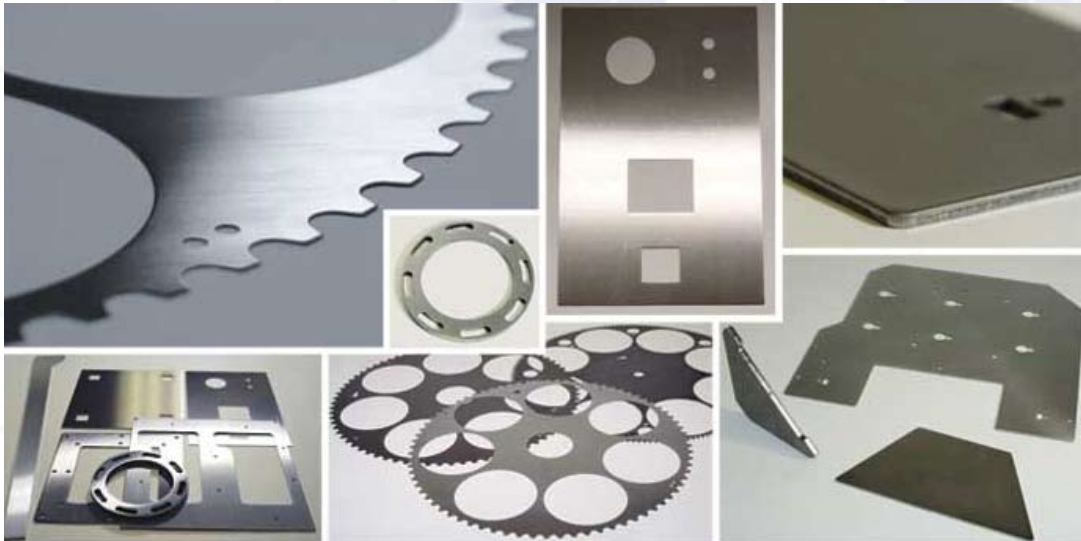
Abrasive disc with variable speed controls for optimum results.

Optional Equipment

- Electronic thickness control with positioning unit
- HMI/PLC controls with color monitor (includes electronic thickness control)
- Abrasive belt head assembly
- Paper Bed Filter™ increased capacity: 10 to 20 gpm, 20 to 40 gpm
- Abrasive disc motor upgrades: 5 HP to 10 HP, 15 HP to 20 HP
- Small part return conveyor
Note: maximum length, 14 inches
- UL Approved electrical panel

Made In USA

Typical Applications





Close Up Shots & Accessories

Control Panel



Easy to use push button controls with digital line speed & thickness displays

Infeed Conveyor



Infeed conveyor extension with two (2) vinyl covered rollers

Oscillating Head



Oscillating head assembly for 52 inch wide machine

Pinch Roller



2 1/4 inch spring-loaded pinch rollers for holding part securely to the conveyor bed

Conveyor Bed



Conveyor bed with automatic belt tracking system

AC Drive Motor



Low maintenance AC drive with variable line speed from 5-40 fpm

Parts Dryer



Automatic parts dryer with Air-Sonic™ air knife and regenerative blower

Return Conveyor



Optional small part return conveyor to improve operator productivity

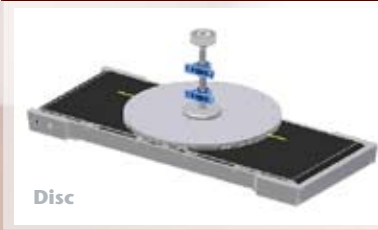
Abrasive Belt Head



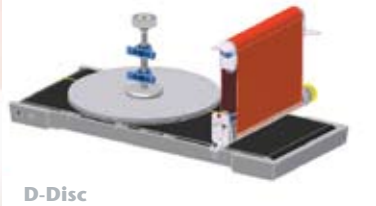
Optional abrasive belt head assembly with 6" diameter contact drum

Machine Configuration

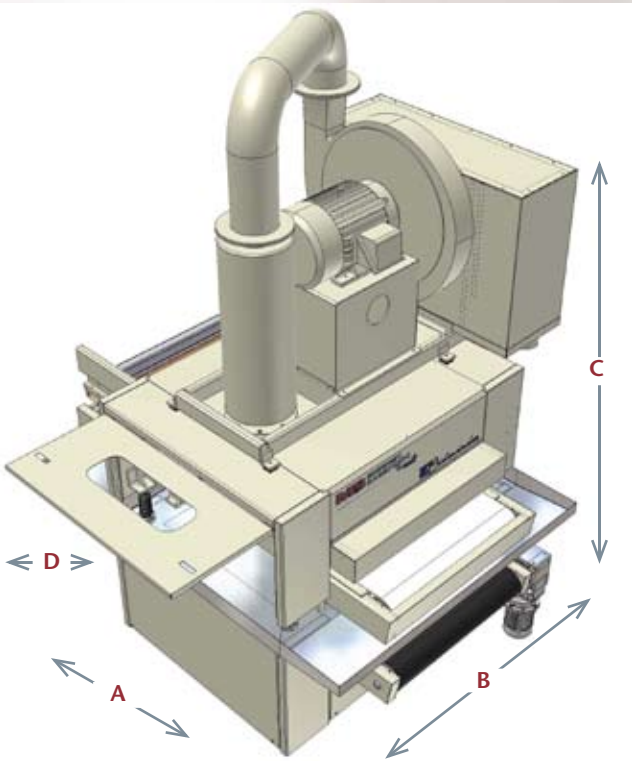
Disc Head



Drum / Disc



Note: Not available in D18 model.



SIDEWINDER SPECIFICATIONS

Working width	18", 36" & 48"
Working height	0-6"
Minimum part length	6"
Abrasive disc dimensions D18 model D36/48 model	27" 48"
Pinch roller diameter	2.25"
Disc motor D18 model D36 model D48 model	5 hp 15 hp 15 hp
Oscillating head drive motor	1 hp
Vacuum bed motor D18 model D36/48 model	15 hp 25 hp
Air knife blower motor D18 model D36 model D48 model	3 hp 4 hp 7.5 hp
Drum head motor (optional) D36 model D48 model	20 hp 30 hp
Conveyor motor	2 hp
Conveyor roller diameter	6"
Feed speed	5-40 fpm
Height adjust motor	1 hp

Note: Dimensions do not include Paper Bed Filter™.

MODEL D18

Dimensions	Inches
A	99
B	71
C	140
D	34.50
Weight	TBD

MODEL D36

Dimensions	Inches
A	91
B	84
C	130
D	23
Weight	TBD

MODEL D48

Dimensions	Inches
A	91
B	100
C	142
D	23
Weight	TBD

More Midwest Sandright Machines...Made in USA



Wet Deburring & Finishing Machines



*The **Nautilus** wet deburring and finishing machines are designed and built for the industrial user to economically deburr or finish a wide variety of ferrous and non-ferrous components.*

The heavy frame allows for fast and accurate setup and years of precision operation.

Standard Features

- Heavy-duty frame utilizing heavy wall structural steel tubing & 1" thick plate
- Constant pass line height
- Standard 37" & 52" abrasive belt widths
- Large diameter abrasive belt drums
- Large diameter conveyor bed & idler rollers
- Ultrasonic abrasive belt tracking system
- Automatic conveyor belt tracking
- Power thickness adjustment with digital readout
- Variable line speed with digital readout
- 15-30 HP TEFC drive motors for each head
- Individual amp meters for each head
- Automatic disc brake on each head
- Infeed conveyor extension with two (2) vinyl covered rollers
- Outfeed conveyor extension
- Double infeed & outfeed holddown rollers
- Automatic paper bed filter
- Air knife dryer
- Stainless steel pans and doors for corrosion protection
- Central lubrication points
- One, two & three head configurations
- Emergency stops & safety interlocks

Optional Equipment

- Oscillating abrasive brush head
- Vacuum bed
- Small part magnet
- Automatic thickness control
- Adjustable contact drum with eccentric
- HMI/PLC controls with color monitor

Patriot 1

Dry Deburring & Finishing Machine

The **Patriot 1** is an entry level dry machine for up to 4 hours per day operation for deburring and finishing a wide variety of ferrous and non-ferrous components. Easy to operate.

Domestic parts and service ensures dependable, uninterrupted service.



Shown with optional Niagara Wet Dust Collector.

*Classic American Craftsmanship
World Class Design*

Patriot 2

Dry Deburring & Finishing Machines

The **Patriot 2** single head dry machine is designed for the shop that requires a rugged machine to economically deburr or finish a wide variety of ferrous and non-ferrous components.

One, two and three head configurations are available where fewer passes are required to achieve the desired results.

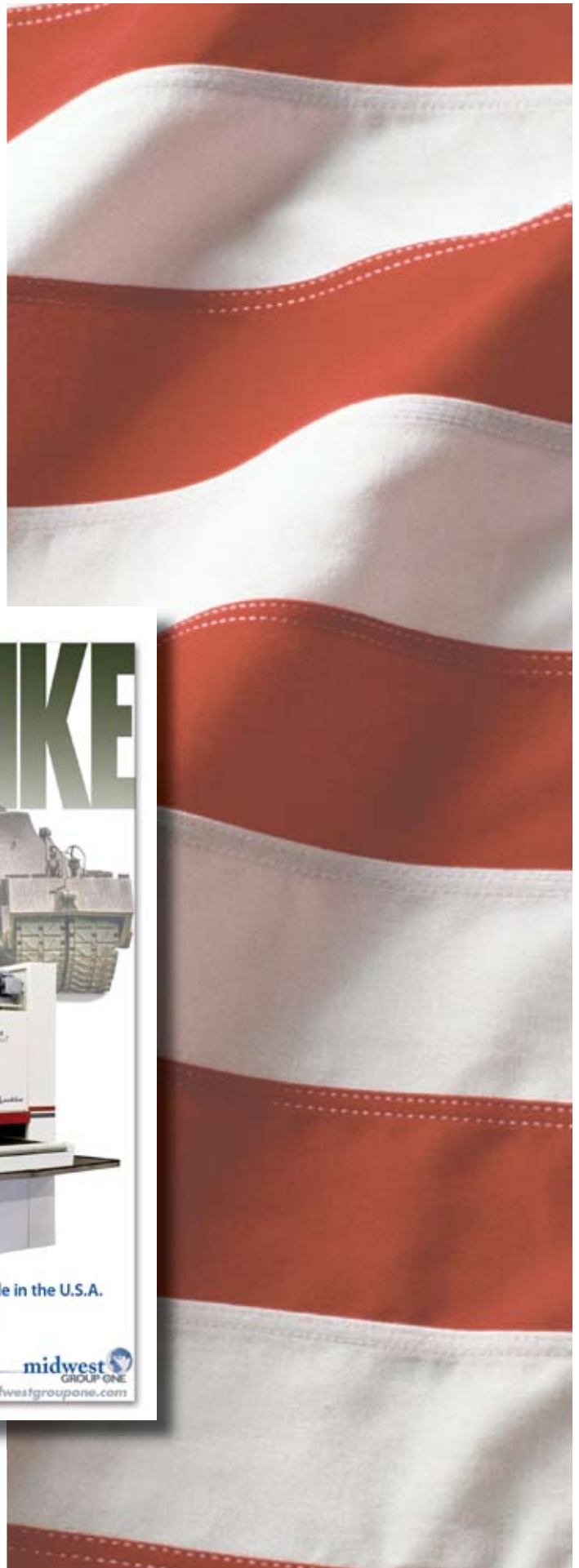
Simple to use. Easy to maintain.



Made in USA, Midwest Sandright / Rand-Bright® manufactures a variety of deburring and finishing machines offering superior results, easy operation, and dependable service at competitive prices.

Models include Patriot dry machines with one, two or three head configurations offering 4 to 24 hours of operation per day.

Also available are Nautilus wet deburring & finishing machines, Explorer custom deburring and finishing machines, Rand-Bright® cylindrical deburring and finishing machines, and Niagara wet dust collection systems.



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