

Optional conveyors streamline material flow from either direction.

ABRASIVE SAW SPECIFICATIONS

CAPACITIES:

Model	VAS-0124
Pipe Diameter	1" - 24" (25-610 mm) O.D.
Structural Shapes	Up to 6" (150 mm)
Bed Length (Std./Opt.)	23'64" (7'14 m)
Min.-Max. Cut Length (Std/Opt)	1/2" - 24'44" (12 mm - 7'14 m)
Min. Length w/ Beveled Ends	1/2" (12 mm) with pipe fixture; 6" - 24' (150 mm – 7.4 m) without pipe fixture
Max. Weight per Foot	150 lbs/ft (220 kg/m) to a maximum load of 3000 lbs. (1350 kg.)
Cutting Method	Abrasive Wheel
Max. Rotation Speed	360 surface inches per minute
Average Material Removal	0.0328 cubic inches per second

Motors:

Cutter	15 HP A.C. Motor
Beveler	7-1/2 HP A.C. Motor
Pipe Rotation Drive	1 HP D.C. Motor
Hydraulic Power Unit	5 HP Motor
Dust Collection	7-1/2 HP A.C. Motor
Bearings	H.D. Pillow Block
Temperature	40-100 degrees
Humidity (non-condensing)	0-80%

Raise/Lower Drive Rollers	Hydraulically Operated
Pipe Hold-down Rollers	Pneumatically Operated

Utility Requirements:

Electrical.	460 VAC, 3Phase, 60 Hertz, 30KVA
Air Supply	100 psi Clean & Dry Shop Air @ 125 CFM



VERNON

ABRASIVE SAW



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YOUR PARTNER IN SUCCESS THROUGH INNOVATION

VERNON ABRASIVE SAW

Speed, Simplicity, and Machine-like Quality

Ideal for pipe & supply warehouses, mechanical contractors, and HVAC fabricators. The Vernon Abrasive Saw represents a totally new, high production method for fabricating pipe spools.

Simple Design, Simple Operation

The Vernon abrasive saw relies on a simple combination of powered turning rolls and high speed abrasive wheels to perform straight cuts and weld preparation bevels. Integrated pipe conveyors permit one person to load and unload pipe from either direction without overhead lifts or extra people. Improved safety and lower cycle times result from centralized cutting and automated material flow.

A simple 5-step procedure insures high production and minimal training. Pipe is positioned under the cutoff blade or beveling wheel. Variable-height turning rolls raise the pipe above the conveyor pass-line. Front and rear pipe stops are secured to prevent pipe creep. Pneumatic hold-down rollers descend to the pipe surface and the abrasive wheel is hydraulically lowered through the pipe wall.

All Sizes, All Materials

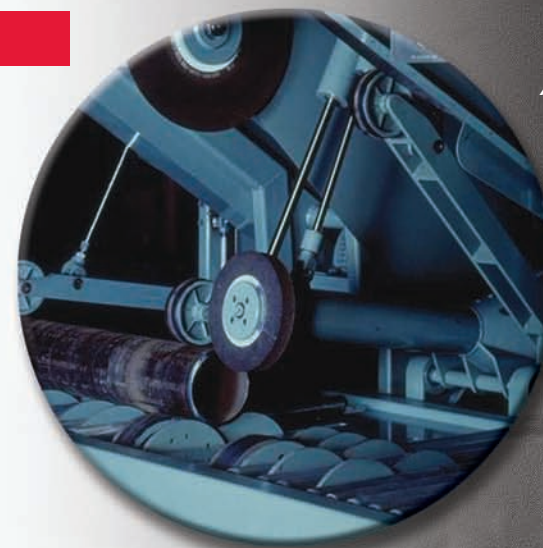
Abrasive wheels can cut, bevel, and groove materials including carbon steel, black iron, ductile, alloy, stainless steel, ceramic, cement-lined, glass-lined and plastic pipe. Straight cuts and bevels with or without a land on diameters from 1" to 24" O.D.

High Quality, High Production

Abrasive wheels yield an uncontaminated, machine-like surface ready for immediate fit-up and welding. Virtually no additional cleaning or grinding is required to obtain excellent quality on every piece.

Schedule and process pipe in a central location for distribution throughout the shop. On 6" x Sch 40 pipe, typical cuts take 30 seconds and bevels take 10 seconds. One person performs loading, cutting, and unloading pipe without the aid of extra personnel. No end-for-ending, overhead lifting, or material flow bottlenecks because material can flow from either direction.

The Vernon Abrasive Saw is a revolutionary alternative to thermal cutting. By streamlining both cutting and material handling, the Vernon machine makes short work of labor intensive pipe cutting operations.



Abrasive wheels cut and bevel all types of materials and a wide range of sizes.



Actual production figures confirm 200 pieces of 6" O.D. x 9' long spools with beveled ends in a single 8-hour shift.



Abrasive cutting offers speed, simplicity, and an uncontaminated machine-like surface finish ready for immediate fit-up and welding.



Your partner in success through innovation.