## **Vernon Abrasive Saw**



Cut, bevel, and groove all diameters and material with extraordinary speed and uncontaminated, "machined"-like quality. Abrasive wheels cut many materials ranging from carbon and stainless steel, aluminum and other alloys, ductile iron, ceramic, plastic, and cement-lined pipe.

 Ideal for pipe and supply warehouses, mechanical contractors, HVAC fabricators, and other industries, the Vernon Abrasive Saw presents an improved throughput production method for fabricating pipe spools. Abrasive wheels cut and bevel all types of materials and a wide range of sizes.

## 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.



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## High quality, high production

- Abrasive wheels yield a machined-like, uncontaminated 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 from a central shop location for distribution throughout the facility.
- Cutting is fast and efficient. On six-inch Schedule 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. There is no overhead lifting or end swapping, and no material flow bottlenecks, because material can flow in either direction.



A simple five-step procedure insures high production and minimal training.

- 1. Position pipe under the cutoff blade or beveling wheel.
- 2. Lift pipe above the conveyor line with the variable-height turning rolls.
- 3. Secure the front and rear pipe stops to prevent pipe creep.
- 4. Lower the pneumatic hold-down rollers to the pipe surface.
- 5. Lower the rotating abrasive wheel hydraulically through the pipe wall, while rotating the pipe on the turning rolls into the wheel.

## All sizes, all materials

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

