Hydmech S-20A 13" x 18" Fully Automatic Pivot Style Band Saw

Serial Number – 8A1006021, Manufactured 2008
Machine Taken from small 3 man shop where owner retired

Capacity: 90 Degrees - 13" H x 18" W Rectangle, 13" Round
45 Degrees – 13" H x 10 ¾" W, 12" Round
30 Degrees – 13" H x 7 ¾", 8 ½" Round
Blade Size: 1" x 14'10"
Blade Drive: 3HP VFD – Wired 3/60/480 Volt
Blade Speed: 75-350 SFM
Coolant Tank Capacity: 12 US gal
Mitering: 0 to 60º mitering
Weight: 3,000 lbs
Work Load: 5,000 lbs.
Table Height: 31"
Dimensions (w x l x h): 93" x 86" x 52"

Machine Base The machine base is designed and produced with electro-welded steel components for maximum rigidity and support. A removable 12 US gallon tank is built into the base and leveling bolts are located at the corners of the base.

Saw Head Easy *SWING*, heavy duty ***Cast Iron*** saw head frame, with *Counter Balance Springs* and easy to read scale for head position in 1º increments (0 to 60º mitering). A cam lock brake provides reliable locking at the desired angle. Machine comes with a hydraulic positive down feed.

VFD Motor Heavy Duty 3 Hp motor with a A/C inverter provides infinitely variable band speed allowing for efficient cutting of various applications.

Shuttle Feed Heavy Duty Cast Shuttle Vise assembly mounted on reciprocating linear ball bearing provide materital indexing of up to 27" in a single movement. The shuttle vise is prowered by a ballscrew and stepper motor. The infeed rollers are 2 5/16" in diameter.

Blade Wheels Guide Arms High quality Flanged cast iron wheels with heavy-duty wheel & gearbox shaft bearings. Premium cast iron, heavy-duty guide arms equipped with replaceable and *pre-set* carbide inserts (no adjustments needed) for accurate cutting. The idler side guide arm is adjustable for proper spacing and movement supported by a linear bearing.

Blade Guides Replaceable carbide insert guides housed in two heavy duty cast iron guide arms provide excellent vibration dampening.

Powered Blade Brush Driven off the blade drive wheel the blade brush keeps the blade gullets clean, helping to maximize blade performance and life.

Blade Tensioning Mechanical tensioning assembly allows for quick and simple blade changing. A LED display provides readout for proper tension setting. Machine will not operate unless proper band tension is applied.

Coolant System A centrifugal pump delivers ample coolant on the cutting area. The coolant flows through both drive and idler guide blocks with *flow valves* for quantity adjustment. A wash down hose with spray gun is also mounted on the machine.

Out of Stock Switch Mounted on the shuttle vise, when the vise closes with no material between its jaws, the machine hydraulics shut down (The cut in progress at the time will finish before shut down occurs). Allowing for the machine to be left unattended with no danger of the machine cycling with no material.

System A 1 Hp driven hydraulic pump supplies system pressure. The system pressure, through a 3-position directional valve system, controls all vises, head up/down movement. The pump and motor assembly and hydraulic manifold complete with all function directional valves.

Electrical System The electrical control components are housed in an easy access cabinet in the front of the machine. Components and wiring are labeled for easy troubleshooting.

Control Panel The Hydmech Direct Down Feed System provides easy adjustment of both the head feed rate and the cutting pressure and located on the control panel.

The Automatic cycle and allows for Manual operation as well. Job information, such as part length and quantity, is entered through the interface keypad.

Manual mode Allows for a fast one cut operation. In this mode all functions are controlled and initialized by the operator. The display shows blade speed, and length readout. The operator simply enters the desired part length, presses the cycle start button, starts the blade, and the machine will index to that length, cut the part, and raise the head.

Automatic mode The controller displays blade speed, part length, quantity required, and piece count. The machine will shut down when the required number of pieces have been cut.

Equipped With:
-Automatic Programmable Feed
-Full Capacity Overhead Bundling
-Variable Vise Pressure
-Solid Outfeed Table
-Roller Infeed

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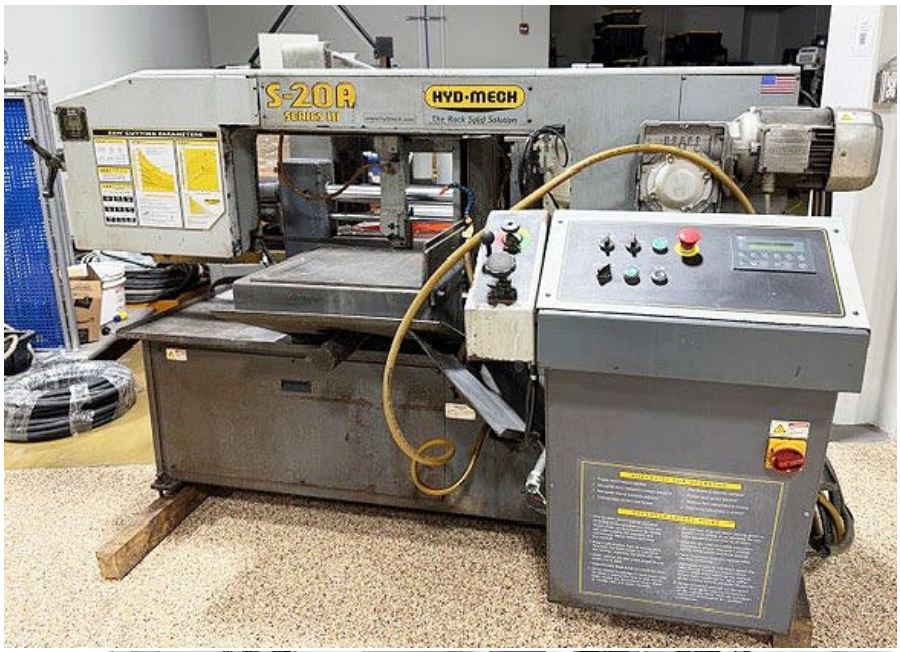
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