

S-23A

The S23A Horizontal Pivot Band Saw will increase flexibility and improve efficiency in any general purpose sawing application. This automatic machine is ideal for the small to medium fabricator or machine shop, looking to make extremely accurate, straight or miter cuts. The saw head swings 30 degrees in both semi-automatic and automatic. All of the saw blade guiding components are made of cast iron, making this machine highly durable and accurate. The S23A is a competitively priced machine combined with versatility and unmatched cost per cut.

CAST IRON GUIDE ARMS

Premium cast iron, heavy duty guide arms mounted on linear rails come equipped with replaceable, pre-set carbide inserts (no adjustments needed) for accurate cutting.

AUTOMATIC PLC CONTROL

Windows touch screen controller operates the automatic cycle but allows for manual operation as well. A variety of languages can be chosen for message screen display.



Photos may show optional equipment.



STANDARD FEATURES

- Easy swing, heavy duty cast iron saw head
- Cast iron shuttle features automatic multi-indexing up to 29" in a single stroke. Powered by ball screw and stepper motor.
- 8.8 HP VFD. True direct blade drive - no belts/ pulleys
- On-demand hydraulics save energy
- Blade chamber separates material from cut part
- Cast iron band wheels
- Automatic PLC, touch screen control programmable up to 100 jobs with 20 in queue
- Replaceable blade brush
- Robust steel base
- Easy to read angle scale with angle locking mechanism
- Cast iron guide arms mounted on linear rails is adjustable for proper spacing.
- Easy access electrical panel
- Out of stock switch
- Mechanical band tensioning with digital readout

- Hydraulic positive down feed has the capability of controlling both feed rate and feed force parameters to achieve optimum cutting results, and blade life.
- Replaceable carbide guide inserts
- Safety door interlocks
- Flood coolant with wash down hose
- Laser light
- Work light

OPTIONAL FEATURES

- Full capacity hydraulic overhead bundling
- Remote console
- Mist lubrication
- Variable vise pressure
- Idler conveyors
- Powered conveyors



BLADE CHAMBER

After completing a cut, the unique blade chamber feature prevents the blade from snagging by providing a wide path for the blade to retract through.

After finishing the cut, the head and saw blade stay in the down position. The shuttle vise then retracts the cutting stock.

The head retracts through created opening (chamber), and the shuttle will then advance the material to the desired length.

This feature allows the operator to run the machine unattended without the possibility of the blade catching on the material as the head retracts. Without this feature blade can be damaged including blade guard, saw table, and guides.

CAST IRON SHUTTLE FEED

Heavy duty shuttle vise assembly mounted on reciprocating linear rails provide automatic multi-indexing of up to 29" in a single movement with a length accuracy of $\pm .005$ " per stroke.

The shuttle vise is powered by a ball screw and stepper motor - fast and accurate!

The infeed rollers are $2 \frac{5}{16}$ " in diameter.

The floating shuttle adjusts for bent material.

The machine can operate in automatic and index with the head in 30° miter.



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OPTIONAL MIST LUBRICATION

An alternative to the standard flood coolant system, mist lubrication is an air mist system providing blade lubrication and cooling. No recovery is required as the mist dissipates.

OPTIONAL VARIABLE VISE PRESSURE

Provides vise pressure adjustment on both vises when thin wall tubing and other light material are being cut. This minimizes application deformation potential.

OPTIONAL OVERHEAD BUNDLING

A hydraulically powered overhead clamp moves down on the material. This option is very effective, and necessary for bundle cutting various material shapes & sizes.



Photos may show optional equipment.