

Horizontal Straight Cutting Bandsaws

ABS 320 PLC

SKU : 152759

The ABS 320 PLC is a robust fully automated band saw designed for maximum reliability. The automatic feed is driven via rolls in the clamping jaws. Operation is simple, and the touchscreen guides the operator through the machine setup.

- Touchscreen for automatic feed
- Hydraulic workpiece clamping
- Bundling vise
- Infinitely variable cutting speeds



TECHNICAL SPECS

CUTTING CAPACITIES

Cutting capacity 0° (round)	320 mm
Cutting capacity 0° (square)	320 mm
Cutting capacity 0° (flat) (length x width)	320 mm x 320 mm
Cutting speed	15 m/min - 120 m/min
Working height	640 mm

DRIVE CAPACITY

Motor rating main drive	2.2 kW
Motor rating hydraulic pump	0.37 kW
Motor rating coolant pump	0.12 kW
Motor rating feed	0.25 kW

MEASURES AND WEIGHTS

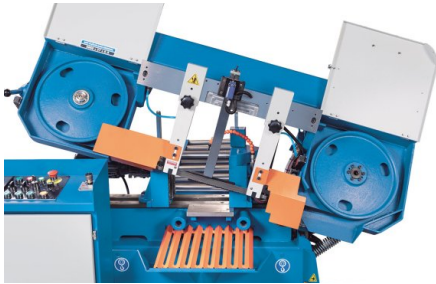
Blade dimensions	3660 mm x 27 mm x 0.9 mm
Overall dimensions (length x width x height)	1.9 m x 0.85 m x 1.3 m
Weight	770 kg



A motor with infinitely variable speeds transmits power via a continuous-operation idler gear to the machine drive wheel



Hydraulic part clamping included in standard equipment



PRODUCT DETAILS

- The ABS 320 PLC is a fully automated horizontal band saw, which is ideally suited for single cut and series production of solid materials, tubes, and profiles
- The automatic workpiece feed is very precise and driven via vise-integrated motorized rollers
- The robust and user-friendly touchscreen is used to enter the desired cut lengths, which then are produced in a fully automatic operation
- The torsionally rigid saw frame provides excellent stability and vibration-damping characteristics
- Large drive wheels and idlers extend the saw blade life
- The saw blade tension can be precisely adjusted via a pressure gauge that is integrated in the clamping mechanism
- Rigid high-precision carbide saw blade guides ensure excellent vertical angular accuracy of the cut
- The reliable hydraulic unit provides the drive power for saw frame stroke and workpiece clamping
- Saw blade feed via micro-adjustable hydraulic valve
- All switches and controls are arranged centrally on an operator panel at the control cabinet
- Unnecessary down-times are reduced by an optically controlled change-over from rapid feed to work feed
- The extensive standard equipment package includes an integrated band breakage control, a high-performance coolant system, and a bundling vise
- The extensive optional accessories includes everything from motor-driven roller conveyors to Minimal Quantity Lubrication (MQL)

STANDARD EQUIPMENT

SPS-control with touch-screen
 Hydraulic part clamping
 Bundle vise
 Mechanical saw blade tensioning with hydraulic pressure gauge
 Optical height adjustment
 Automatic band break control
 Feed roller table 1,2 m
 Coolant system
 Saw-band
 Saw blade cleaner brush
 Operating tools
 Operator instructions

OPTIONAL EQUIPMENT

- 3 meter roller table, SKU : 251888
- chip conveyor, SKU : 251889
- Hydraulic saw blade tensioning, SKU : 253894
- Micro spray cooling system, SKU : 253851
- Laser pointer, SKU : 253753



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