Horizontal Mitre Cutting Bandsaws

ABS 400 NC

SKU : 152883

The ABS NC band saw series is a cost-effective, intelligent turnkey solution for sawing in series production. With NC control and simple programming, the ABS NC series meets all the requirements for efficient and flexible production. Cut pipes, profiles or solid material individually or as a bundle. The dual column construction eliminates vibrations and guarantees consistently high cutting accuracy even after many years of use.

- Stable double-column design
- Miter cutting with programmable cutting angle
- NC control with touchscreen for faster programming and set-up
- Hydraulic top vises for bundle cutting

TECHNICAL SPECS

CUTTING CAPACITIES

Feed per single stroke (max.)	15.75 in
Cutting speed	65.4 fpm - 261.6 fpm
Cutting capacity 0° (round)	16 in
Cutting capacity 0° (flat) (length x width)	20 in x 16 in
Cutting capacity 0° (square)	16 in
Cutting capacity 30° (round)	16 in
Cutting capacity 30° (flat) (length x width)	16 in x 16 in
Cutting capacity 30° (square)	16 in
Cutting capacity 45° (flat) (length x width)	14 in x 16 in
Cutting capacity 45° (round)	14 in
Cutting capacity 45° (square)	14 in

DRIVE CAPACITY

Motor rating main drive	5.4 Hp
Motor rating hydraulic pump	1 Hp
Motor rating coolant pump	0.1 Hp

MEASURES AND WEIGHTS

Blade dimensions	220.08 in x 1.61 in x 0.04 in
Overall dimensions (length x width x height)	95 in x 91 in x 79 in
Weight	6380 lbs

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Both vises are designed as hydraulic bundle vises (standard equipment)

In Auto Mode, feed distance, cut angle, and number of cuts can be programmed within the respective configurations

PRODUCT DETAILS

- Cutting angle settings 0° - 45°
- Robust touch screen control panel
- Automatic workpiece feed
- Torsion-resistant dual-column construction
- Hydraulic saw frame feed via chrome-plated column guide
- Slightly inclined saw frame improves cutting performance and increases the service-life
- Dual hydraulic workpiece clamping
- Infinitely variable cutting speed
- Programmable automatic angle positioner can be set in 1° increments from 0° to 45°
- Hydraulic bundle vise for both vises included with standard equipment
- Precise and stable saw band guides ensure high angular accuracy
- Automatic band breakage control
- Infinitely variable saw blade speed with settings shown on the display

CONTROLS & SOFTWARE

Siemens PLC control

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Reliable Siemens SIMATIC S7-200 SMART PLC with rugged touchscreen input panel

In Manual Mode, all machine functions can be selected and adjusted via touchscreen

In Auto Mode, feed distance, cut angle, and number of cuts can be programmed within the respective configurations

Up to 5 different angle and distance settings can be linked within one automatic program cycle

The programmable automatic angle positioner can be set in 1° increments from 0°- 45°

Infinitely adjustable saw blade speed with settings shown on the display

Individual lengths and miter angles, and the number of required steps can be entered for each cut

Cut widths can be compensation centrally without considering the programmed workpiece lengths

All machine parameters can be checked by the operator via user-friendly menus

Quick fault diagnostics with clear fault description on the display

STANDARD EQUIPMENT

Siemens PLC control
Autom. cleaning brush
Feed roller table (6.5 feet)
1 saw blade
Touchscreen monitor
Automatic parts counter
Bundle vise
Chip conveyor
Coolant system
Operating tools
Operator manual

OPTIONAL EQUIPMENT

- 79" roller table for ABS 400 NC, SKU : 253365
- Micro cooling spray for Part No. 152880 - 152883, SKU : 253503

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