

# 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

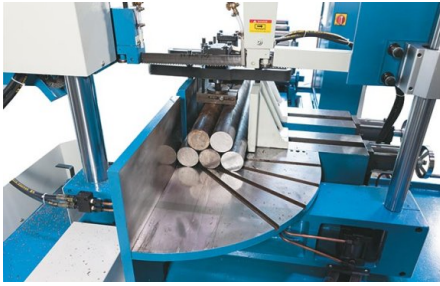
Feed per single stroke (max.)	400 mm
Cutting speed	20 m/min - 80 m/min
Cutting capacity 0° (round)	400 mm
Cutting capacity 0° (flat) (length x width)	500 mm x 400 mm
Cutting capacity 0° (square)	400 mm
Cutting capacity 30° (round)	400 mm
Cutting capacity 30° (flat) (length x width)	400 mm x 400 mm
Cutting capacity 30° (square)	400 mm
Cutting capacity 45° (flat) (length x width)	350 mm x 400 mm
Cutting capacity 45° (round)	350 mm
Cutting capacity 45° (square)	350 mm

#### DRIVE CAPACITY

Motor rating main drive	4 kW
Motor rating hydraulic pump	0.75 kW
Motor rating coolant pump	0.09 kW

#### MEASURES AND WEIGHTS

Blade dimensions	5590 mm x 41 mm x 1.1 mm
Overall dimensions (length x width x height)	2.4 m x 2.3 m x 2 m
Weight	2900 kg



*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

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 (2 meters)  
1 saw blade  
Touch screen monitor  
Automatic parts counter  
Bundle vise  
Chip conveyor  
Coolant system  
Operating tools  
Operator manual

## OPTIONAL EQUIPMENT

- 2 meter roller table for ABS 400 NC, SKU : 253365
- micro spray coolant for item 152880 - 152883, SKU : 253503