

# Horizontal Mitre Cutting Bandsaws

## ABS 330 TNC

### SKU : 152820

The models of the ABS 330 TNC series are fully automatic horizontal band saws for precise straight and miter cuts in large and heavy workpieces made of steel, cast iron and other metals. The construction of the machines is characterized by a swiveling and extremely stable saw frame. Cutting angles of up to 60 ° can be positioned manually. A high-torque servomotor serves as the main drive and is infinitely variable. The automatic material feed is fully hydraulically driven and the PLC control with a large touchscreen display enables simple programming.

- Manual miter adjustment
- PLC with graphic touchscreen control panel
- 2-step drive motor
- Hydraulic workpiece clamping
- Feed/discharge roller table is standard equipment



### TECHNICAL SPECS

#### CUTTING CAPACITIES

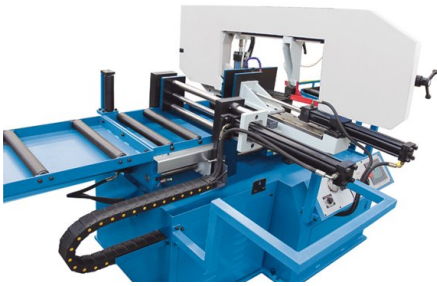
Cutting speed	40/80 m/min
Feed per single stroke (max.)	500 mm
Working height	850 mm
Cutting capacity 0° (round)	330 mm
Cutting capacity 0° (square)	250 mm
Cutting capacity 0° (flat) (length x width)	460 mm x 250 mm
Cutting capacity 30° (round)	310 mm
Cutting capacity 30° (square)	250 mm
Cutting capacity 30° (flat) (length x width)	375 mm x 250 mm
Cutting capacity 45° (round)	305 mm
Cutting capacity 45° (square)	250 mm
Cutting capacity 45° (flat) (length x width)	305 mm x 250 mm
Cutting capacity 60° (round)	205 mm
Cutting capacity 60° (square)	205 mm
Cutting capacity 60° (flat) (length x width)	205 mm x 250 mm

#### DRIVE CAPACITY

Main motor rating	1,5/2,2 kW
Motor rating hydraulic pump	0.75 kW
Motor rating coolant pump	0.045 kW

#### MEASURES AND WEIGHTS

Blade dimensions	3960 mm x 34 mm x 1.1 mm
Overall dimensions (length x width x height)	6.47 m x 2.25 m x 1.4 m
Weight	1520 kg



*Feed and workpiece clamping via powerful hydraulic vises*



*PLC with graphic touchscreen*

## PRODUCT DETAILS

- Automatic workpiece feed and cutting cycle can be programmed via PLC
- Programming is easy via a user-friendly graphic touchscreen interface
- Input can be in metric or imperial units
- 2-step drive motor for easy saw blade speed adjustments
- Rigid, adjustable saw blade guides can easily be adjusted for different workpiece diameters
- Safety during automatic operation is ensured by secure workspace enclosures
- Linear and transverse feed/discharge roller tracks are part of the standard equipment

## CONTROLS & SOFTWARE

### NC control for automatic band saws

- Fully automated band saws allow programming of cut lengths and quantities
- The intuitive dialog programming function is perfectly tuned for band saws and allows automatic and semi-automatic sawing operations
- Programming of grinding cycles via touchscreen
- Steps for material feed are performed automatically until the desired number of cuts has been reached or until all of the material has been processed
- Automatic function monitoring and error messages on the display

## STANDARD EQUIPMENT

Chip brush  
Feed roller table (3 meters)  
Hydraulic workpiece feed  
Bimetallic band saw blade  
Touchscreen monitor  
Coolant system  
Operating tools  
Operator manual  
NC control for automatic band saws



## KNUTH on YouTube Information to the point

On our YouTube channel you can find videos for nearly all machines from our program. We show the machines from current deliveries and you get an impression of the handling, the processing quality and the machining performance.

**Are you interested in a machine for which you cannot find a current video?  
Please feel free to contact us!**