

MEP - Vollautomat SHARK 331 DIRECT (1125-8174137)



Control type
CNC

Machine no.
1125-8174137

Make
MEP - Vollautomat

Location
48683 Ahaus

The MEP SHARK 331 DIRECT is a state-of-the-art, electro-hydraulic automatic bandsaw of the highest caliber. It has been specifically developed for the high-precision cutting of solid materials, pipes, profiles, and metal bars. Thanks to its extremely robust construction and maximum flexibility, it adapts perfectly to any industrial production process.

CNC electro-hydraulic automatic bandsaw featuring:

- * Automatic mode ? for fully automated series production
- * Semi-automatic mode ? for controlled individual cuts

Technical Highlights & Industry 4.0 Readiness

- Direct control technology:

- * Makes the sawing machine fully digital, networked, and ready for . Seamless integration into automated production lines

- Intuitive 10" touchscreen display:
 - * The completely redesigned user interface minimizes staff training time and ensures smooth process management.
- Integrated cutting library:
 - * Once the material dimensions, type, and thickness are entered, the control system automatically suggests the best saw blade, the ideal cutting speed, and the optimal force parameters. The operator, however, retains full manual control at all times.
- IIoT-ready & real-time support:
 - * Real-time data transmission enables predictive maintenance, minimizing downtime. If necessary, technical support can access the control system directly via secure remote access?no VPN required.
- Future-proof safety:
 - * The machine already complies with the stringent safety and efficiency standards set for 2027.
- Massive data storage:
 - * Capacity for up to 100,000 programs and 9,999 cutting sequences.

Description:

- Robust, fully automatic electro-hydraulic band saw (INDUSTRIAL grade)
- MEP CNC "DIRECT" control technology
- * User interface with an intuitive 10" touchscreen display
- * Includes mechanical buttons
- * Ensures reliable, simple, and intuitive operation
- * Real-time monitoring of all cutting parameters
- * Swivel-mounted arm for convenient and safe operation
- * Display and logging of alarms and error messages
- * Massive data storage: up to 100,000 programs and 9,999 cutting sequences
- Miter cuts?possible on one side up to 60°
- Protective enclosure for operator safety
- Infinitely variable adjustment * Cutting speed from 15 to 100 m/min
- * Controlled via frequency converter (inverter)
- Latest-generation hydraulic power unit
- * Highly efficient with low energy consumption
- Material feed via stepper motor and recirculating ball screw
- * Mounted on opposing ball bearings
- * 600 mm single-stroke capacity, repeatable for cutting any desired length
- Coolant tank integrated into the machine base

- Chip-clearing brush
- Bi-metal saw blade suitable for solid and profile materials
- Tools and operating manual, including a spare parts list

* Angular accuracy = 2/12 degrees

* Length accuracy = ± 0.1 mm per feed stroke

Information from the manufacturer ? please note:

If this saw is installed in a system equipped with a residual current device (RCD/GFCI),

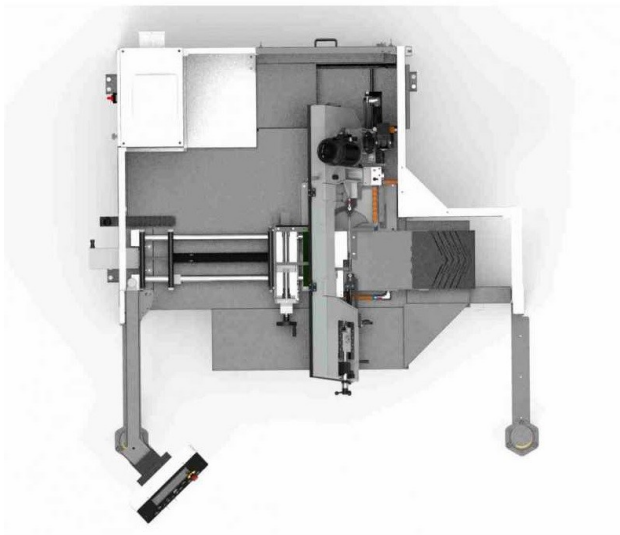
it must be of the universal-current-sensitive type (Type B) with a trip threshold of at least 300 mA.

Machine attributes

cutting diameter:	300 mm
capacity 90 degrees: flat:	330 x 260 mm
capacity 90 degrees: square:	260 x 260 mm
capacity 45 degrees: round:	240 mm
capacity 45 degrees: flat:	240 x 160 mm
capacity 60 degrees: round:	160 mm
capacity 60 degrees: flat:	150 x 150 mm
band speed:	15 - 100 m/min
dimensions of saw-band:	3650 x 27 x 0.9 mm
Control:	MEP CNC
total power requirement:	2.2 kW
weight:	1200 kg

Machine images

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