

MEP - VOLLAUTOMAT Shark 350 NC HS 5.0 (1125-2170003)



Control type
CNC

Construction year
2023

Machine no.
1125-2170003

Make
MEP - VOLLAUTOMAT

Location
D-49779 Niederlangen

** Display Model

** Current list price: 55,910 euros

Fully automatic band saws with a two-column guide system for production cuts, particularly in materials that are difficult to machine and solid stock.

With this machine, MEP offers you a machine that is at the highest technical level and, thanks to the use of the highest-quality materials, features an unmatched, robust, and torsionally rigid structure. An extremely robust saw frame made of gray cast iron provides the necessary stability, which leads to impressive cutting results, and the sturdy gray cast iron columns on which the saw frame glides via preloaded linear guides ensure the highest cutting precision even under maximum load. The modern machine control system (MEP NC 5.0) offers the user maximum ease of operation and ensures trouble-free operation. (Monitoring/Evaluation/Correction in real time)

MAXIMUM PERFORMANCE

The two operating modes (semi-automatic and automatic) enable efficient cutting under all conditions.

The control system allows for the storage of up to 100 cutting programs, each with different quantities and lengths, and minimizes programming time for frequently executed jobs.

The automatically detected starting position of the saw head reduces the setup time.

The saw head's feed via linear guides driven by hydraulic cylinders with preloaded ball screws ensures reduction of mechanical vibrations during cutting and greater stability.

The automatic alignment of the front saw blade guide head based on the dimensions of the bars to be cut reduces processing time.

Saw blade tension is controlled by the brushless motor and is constantly monitored and automatically adjusted to the set minimum value.

EXTREMELY FLEXIBLE

The feed system, with a 600 mm stroke, is repeatable and cuts all lengths.

The vertical roller pair allows for holding and aligning any type of bar or bundle that is fed into the machine.

The vector drive for stepless adjustment of the blade speed from 15 to 100 m/min enables the cutting of any material.

The motorized chip conveyor can be mounted to the right or left of the cutting area

FEATURES:

Fully automatic control NC 5.0

- Innovative (Windows CE-based) touchscreen control with additional soft-touch buttons for frequently used functions

- USB port

- Joystick for manual control of the axes (X-Y)

- Controlled head descent with automatic compensation via a servo valve

, constant monitoring of the preselected torque 4, and

with precise feed rate adjustment in millimeters per minute 5

- Adjustment/preselection of the continuously variable band speed in m/min.

- Band saw tension with tension monitoring and display via an electronic converter

- Automatic detection of the start of the cut

- Large 7" color touchscreen for displaying and selecting all machine functions and parameters, and programming in seconds. Display of detailed alarm and error messages
- Numerous special functions, including executing various lengths and quantities (10 programs) as a sequence, clean cut, step-by-step execution, and much more.
- Sturdy, torsion-resistant, and low-vibration saw frame made of cast steel
- Carbide band guides for maximum cutting precision, hinged for easy saw band replacement
- Large, adjustable cast steel idler pulleys with integrated band circulation control
- Material vise and support specially designed for 0 cuts with a minimum scrap length of just 70 mm
- Adjustable material guide for short cuts
- Frequency converter for stepless tool drive
- X-axis (material feed) via ball screw
- Automatic saw blade tensioning with blade tension monitoring and correction
- Powered chip conveyor, installable on the right or left side of the machine
- Coolant gun for cleaning the machine
- Powered (motorized) chip-clearing brush for cleaning the saw blade
- The machine is prepared for all options (see price list). (Cables, software, etc.)

Standard equipment:

- The Shark 350 NC/CNC HS comes standard with a scraper-belt chip conveyor.
- Mounting on the left or right.
- Bimetal saw blade
- Tool kit
- Detailed operating instructions, maintenance manual, wiring diagrams, and exploded views
- Mounting adapter for feed roller conveyor
- Material chute for discharging short sections
- Access point for forklift/pallet jack transport

*Optional equipment:

- LubeCut minimal-volume lubrication system

Machine attributes

cutting diameter:	350 mm
saw band length:	4640 x 34 x 1,1 mm
table height:	860 mm
:	350 mm
:	15 - 100 m/min
:	4,0 kW
:	2800 kg
:	2200 x 3200 x 2200 mm

Machine images

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