

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



**Control type**  
CNC

**Construction year**  
2023 (NEU)

**Machine no.**  
1125-2170003

**Make**  
MEP - VOLLAUTOMAT

**Location**  
D-49779 Niederlangen

Fully automatic band saws with two-column guide for series cuts in particular materials that are difficult to machine and solid material.

With this machine, MEP offers you a machine that is technically on the highest level and by using the highest quality materials one is not has an unbeatable, robust and torsion-resistant structure. An extreme Robust saw bow made of gray cast iron ensures the necessary stability impressive cutting results and the strong cast iron columns which the saw arch slides by means of pre-stressed linear guides take care of themselves at maximum load for the highest cutting precision. The modern Machine control (MEP NC 5.0) offers the user maximum ease of use and ensures trouble-free operation. (Check/evaluation/correction in real time)

### HIGHEST PERFORMANCE

The 2 operating modes (semi-automatic and automatic) make this possible efficient cutting in all conditions.

The control allows up to 100 cutting programs with each different quantities and lengths and minimizes the Programming time for frequently executed jobs.

The automatically detected start position of the saw head reduces the setting time.

The feed of the saw head via driven hydraulic cylinders Linear guides with preloaded recirculating ball bearings ensures the Reduction of mechanical vibrations during cutting and higher Stability.

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

The saw blade is tensioned by the brushless motor and is constantly controlled and automatically adjusted to the set minimum value.

#### EXTREMELY FLEXIBLE

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

The vertical pair of rollers allows any type of bar or bundle that to be fed, to hold and to align.

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

The motorized chip conveyor can be positioned to the right or left of the cutting area to be assembled.

#### CHARACTERISTICS:

Fully automatic control - NC 5.0

-Innovative (Windows CE based) touch screen control with additional software

Touch buttons for common operating functions

-USB port

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

-Controlled head descent with automatic compensation via an in cylinder mounted servo valve, constant monitoring of the preselected torque 4 and with precise feed adjustment in millimeters/minute 5

-Setting / pre-selection of the stepless belt speed in m/min.

-Saw band tension with band tension control and indication on the display by means

electronic converter

-Automatic detection of the beginning of the cut

-Large 7" color touch screen to display and select all  
Machine functions and parameters and programming in a matter of seconds.

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detailed alarm and error messages

-Numerous special functions including different lengths + quantities (10  
Run programs) as a sequence, clean cut, step execution and much more.

-Stable, torsion-resistant and low-vibration cast steel saw frame

-Carbide band guides for maximum cutting precision, hinged for  
easy saw blade change

-Largely dimensioned deflection pulleys, adjustable, made of cast steel  
integrated belt circulation control

-Material vise and support specially designed for cuts to 0° with  
minimum residual piece of only 70 mm

-Adjustable material guide for short sections

-Frequency converter for stepless drive of the tool

-X axis (material feed) via ball screw

-Automatic saw band tensioning with band tension control and correction

-Powered chip conveyor, right or left on

-installable on the machine

-Coolant gun to clean the machine

-Driven (motorized) chip removal brush for cleaning the saw blade

-Machine is prepared for all options (see price list). (Cable,  
software etc.)

Standard equipment:

-Shark 350 NC/CNC HS is equipped with scraper belt chip conveyor as standard.

Mounting left or right.

-Bi-metal saw band

-Tool set

-Detailed operating instructions, maintenance manual, wiring diagrams and  
exploded views

-Mounting adapter for feed roller conveyor

-Material chute for discharging short sections

-Entrance possibility for forklift / pallet truck transport

\*Optional equipment:

- LubeCut minimum quantity lubrication system

## Machine attributes

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

## Machine images



