



SHARK

350 NC HS 5.0

SHARK 350 NC HS 5.0, electrohydraulic automatic double-column bandsaw for 0° cuts on profiles and solid parts in structural, stainless and alloy steels, for dimension up and in between 350mm x 350mm.

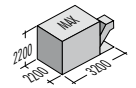
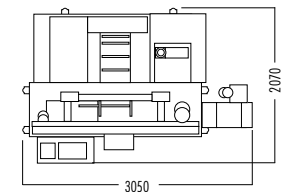
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- Saw head powered by hydraulic cylinder, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Motorized chip conveyor which can be on the left or right hand side of the machine.
- Variable vice pressure allow to set the clamping force.
- Two vertical rollers assembled on the feeding vice to help align the material.
- Numeric controlled machine CNC MEP 50-Windows "CE" based, that has been specifically designed by MEP for the automation of its range of products.
- "CLEAN CUT" cycle: the feeding vice moves backwards the material once the cut has been completed. This eliminates any scratches caused by the blade during its return to its starting position.
- Field bus control system with double microprocessor with serial connection.



OPTIONALS FROM PAG 27 - N° 01 - 02 - 03 - 04 - 17 - 18 - 19 - 20 - 25 - 29 - 43 - 49 - 51 - 59



	m/min	kW	kW	mm		mm	mm	kg	kW	l	kW	l	mm
STANDARD	15÷115	4,0	5,5	4640x34x1,1									
OPTIONAL	15÷200	5,5	11,0	4640x34x1,1	0°	350	350	2800	1,1	70,0	2x0,18	230	355
	15÷115	5,5	11,0	4640x41x1,3									
	15÷200	5,5	15,0	4640x41x1,3									





- 7" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive, it guarantees a reliable use and it controls all cutting parameters in real time.
- Upper and lower saw head limits and bar feeder forward/backward, are set through a joy-stick according to dimension of the material.
- Programmable plc up to 100 different jobs which can be made in sequence.
- Structure in grey cast iron G25, reducing drastically vibrations, grant a better stability and longer blade life.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 115m/min).
- Bar feeder with stepper motor and ball screw. Multi-indexing up to 600mm in a single stroke with automatic blade kerf compensation.
- Rest piece that can no longer be fed in by the feeding vice : 120 mm.
- (Optional feeding vice jaws in order to reduce the restpiece down to 25mm+cutting length).

- Blade deviation (Optional)
- Self-aligning feeder vice unit for feeding even not straight bars
- Driving pulley locked by conical clamping ring to ensure a strong fastening allowing axial adjustment
- Software to control/assess/correct in real time:
 - cutting force – cutting torque and band tensioning against the programmed values
- Moveable band saw blade guide on a vertical arm sliding on balls bearing linear guides. Blade driven by carbide pads and vertical anti-vibration rollers.
- Machine predisposed to install a mist lubrication system (OPTIONAL).
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut
- Work lamp and Laser projector to position the bar accurately to carry out non-standard or facing cuts
- Band rotation control with stop in real time in case of blade jammed.
- Mechanical driven blade brush keeps the blade gullets clean, helping to maximaze blade performance and life.

- Blade tensioning trough a servo system constantly monitorized during the cycle.
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Two coolant pumps to ensure high cutting liquid quantities (120 l/min) to cool down the band saw blade and wash away chips from the working area, so as to guarantee a longer blade life.
- Wash gun to clean the working area
- Sound and flashing indicator for machine alarms.
- Machine preset for being handled by lift truck.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.

