



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.

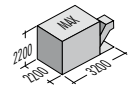
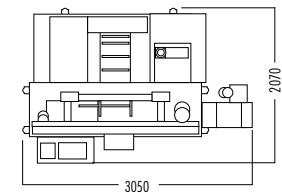
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- Saw head powered by hydraulic cylinder, mounted on dual post and linear guides with pre-loaded ball bearings granting a continuous check and correction of cutting parameters in real time.
- Motorized chip conveyor which can be mounted 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 - 52 - 59 - 67



| | 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.
- Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.
- 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 deviation (optional)
- 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.

