



# SHARK

## 660 CNC HS 4.0

Shark 660 CNC HS 4.0, electro-mechanic double-column bandsaw for 0° cuts on structural, stainless, alloy steels, profiles, solid parts and profiles with dimensions up to 660x660mm.

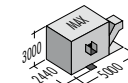
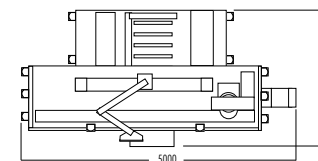
- Designed for safety with "saw-in-a-box" style.
- Great accessibility to the saw either for set-up, maintenance and blade change.
- CNC machine with a new controller: MEP 40. It has been specifically designed by MEP for the automation of its range of products.
- This sawing machine also features a semiautomatic cutting cycle and uses latest generation technologies; indeed, Shark 660 CNC HS 4.0 is equipped with a NEW controller with processor RISC 32 bit 200 MHz with integrated interface to:
  - Connect to an Ethernet network for the remote assistance service.
  - Get software updates and changes by e-mail, that are transferred to USB port by SD or MMC card and later on the control memory, through the suitable slot on the control console.
  - Pre-set cutting parameters according to geometry and type of material selected from the material library in the control.



OPTIONALS FROM PAG 27 - N° 1 - 2 - 3 - 4 - 20 - 25 - 40 - 41 - 59 - 67



m/min	kW	kW/A	mm	kW	l	kW	l	mm	mm	kg		
15÷200	15,0	22,0/47	STANDARD 8400x54x1,6 OPTIONAL 8400x67x1,6	3,7	72	2x0,37	340	670	0°	660	660	9000





- 8" touch screen display operator interface and push buttons for all functions of the sawing machine. It is simple and intuitive, with a self-learning feature it guarantees a reliable use and it controls all cutting parameters in real time.
- Automatic acquisition of the actual starting point of the cut.
- Programmable plc up to 300 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.
- Cutting head downfeed movement with 2 brushless motors and with pre-loaded ball bearings, with hydraulic compensation of the cutting head.
- The cutting head movement is with linear guides and pre-loaded ball bearings pre-loaded slides.
- Hydraulic power pack to power saw head, main and feeding vices.
- Electronic inverter for infinite variable band saw blade speed (from 15 to 200 m/min).



- Bar feeder with stepper motor and ball screw. Multi-indexing up to 760mm in a single stroke with automatic blade kerf compensation.
- Self-aligning feeder vice unit for feeding even strained bars.
- Minimum bar remnant in automatic mode: 70mm.
- Driving and idler pulley locked by conical clamping ring.
- Software to control/assess/correct in real time:
  - cutting force – cutting torque and band tensioning against the programmed values.
- Control panel, with an adjustable frame, assembled on a rotating arm.
- 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.
- Automatic blade tensioning trough servo motor.
- Automatic adjustment of the front blade-guide head according to the dimensions of the bars to be cut.
- Blade deviation device.



- 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.
- Blade tensioning trough a servo system constantly monitored during the cycle.
- Coolant tank inside the steel base with two electric pumps to lubricate and cool off the band saw blade.
- Blade cooling with lubricating oil by means of two coolant pumps. Each pump has a 120l/min flow rate.
- Wash gun to clean the machine.
- Powered blade brush.
- Chip conveyor.
- Sound and flashing indicator.
- Bi-metal band saw blade for solids and profiles.
- Service keys and instructions manual, for maintenance and spare parts list.

