





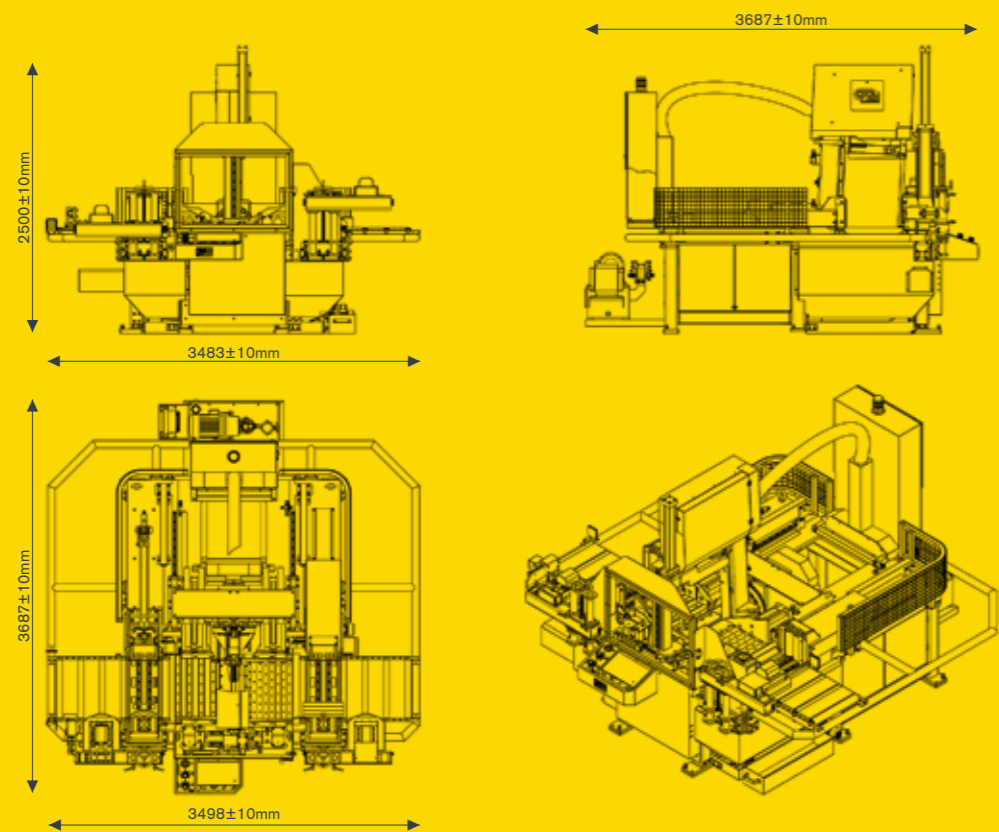


# SCORPIOCNC

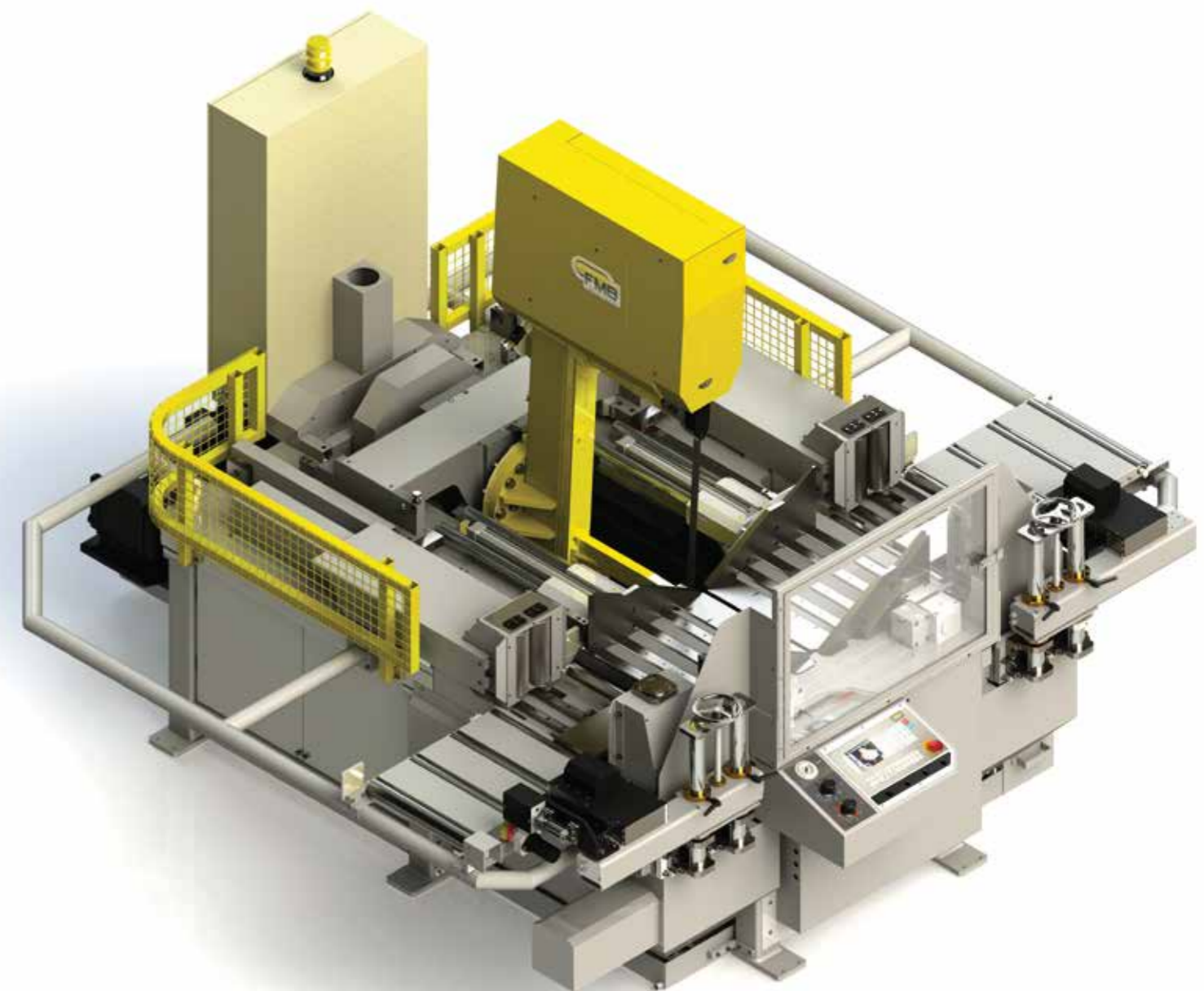
CUTTING CAPACITY				
	 Ø mm	 mm (axb)	 mm (axb)	 mm (axb)
0°	510	510	-	630x510
45°→	440	440	440x510	-
60°→	305	305	305x510	-
←45°	440	440	440x510	-
←60°	305	305	305x510	-

TECHNICAL FEATURES						
						
mm	m/1'	kW	kW	Kg	m axbxc	mm
5334x34x1,1	16÷120	4,0	4,0	6800	3,5x3,7x2,7	1005



# SCORPIOCNC



**AUTOMATIC VERTICAL BAND SAW**  
For degrees cutting from 0° to 60° right and 60° left

# FMB.IT

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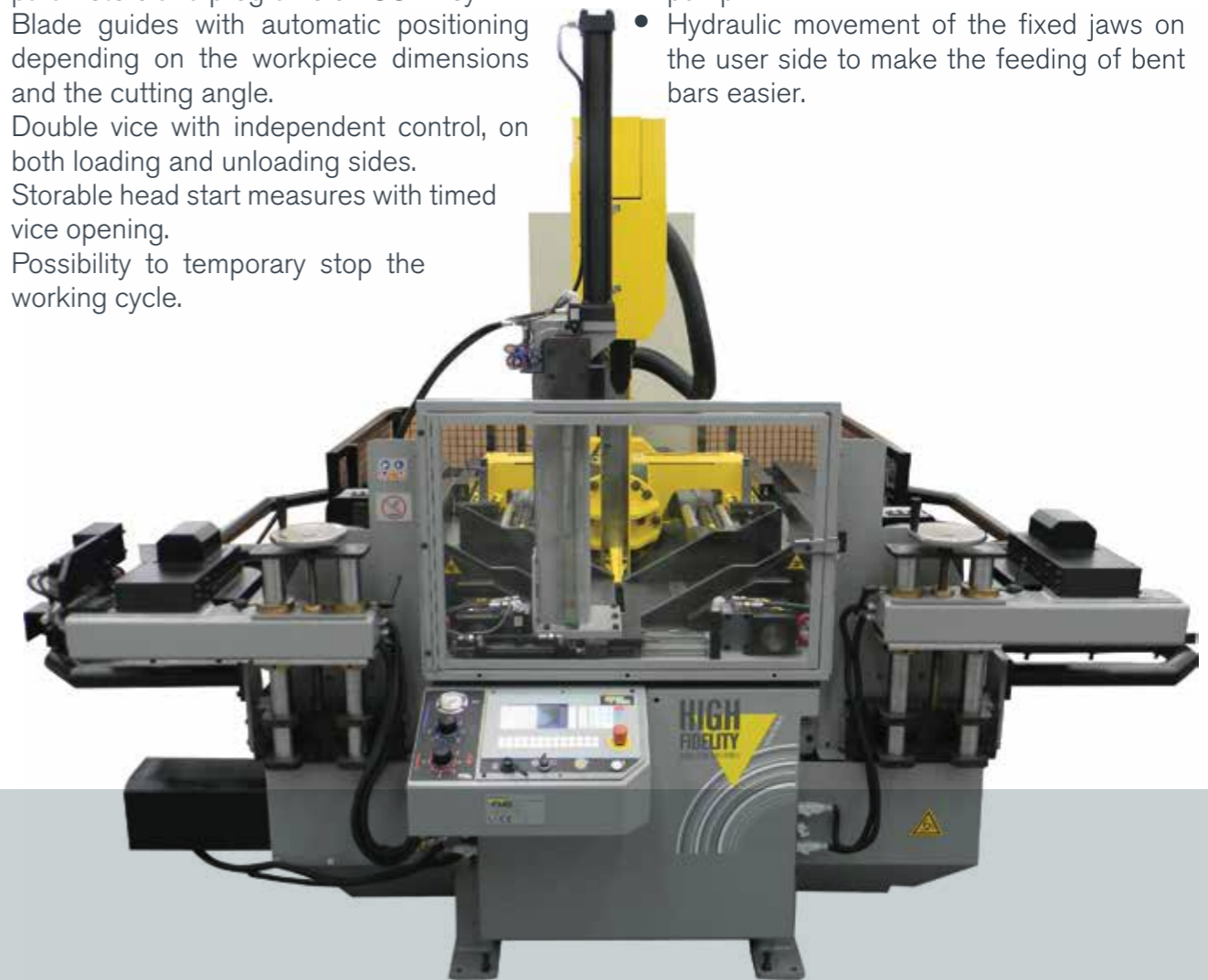


- Electro-welded strong machine structure for heavy workloads.
- Front operator transparent protection for maximum visibility and safety.
- Inlet and outlet support surfaces with idle rollers; work top total length, from the first roller on loading side to the last one on unloading side, of 3260 mm.
- Chips collecting tank installed in the lower part of the basement.
- Motorized winged chips conveyor.
- 3° inclination to optimize profiles cutting.
- Feeding by hydraulic cylinders system running on linear guides.
- Feeding check valve and pressure control valve.
- Rotation hydraulic locking.
- Degrees reading and positioning by magnetic band.
- 4kW inverter motor blade.
- High efficiency and zero clearance planetary type SUMITOMO gearbox for heavy workloads and minimal noise levels.
- Blade minimal lubricant 1-nozzle system with minimum level sensor.

- Check that set and actual speed match.
- Motorized blade-cleaning brush.
- Hydraulic blade tensioning.
- Break blade sensor: it automatically stops machine when the blade breaks.
- Unlimited feeding system.
- Replaceable workpiece feeding surface made in hardened steel.
- Feeding by toothed rollers controlled by brushless motor, to get one uniform torque at all engine speeds.
- Double measure control by encoder idle disks to avoid losing the measure in case the material slips on the drive rollers; the result is a positioning tolerance of  $\pm 0,5$  mm.
- Motorized brush for cleaning the material before reading the encoder disk.
- Automatic jaw exchange from the left to the right side of the machine, allowing the cutting of both workpiece ends so to have, potentially, no material waste.
- 7" LCD colour display control panel.
- Material waste and working-hours reduction thanks to the workpiece overturning automatically executed by the software.

- Self-diagnostic system with displayable alarms.
- Possibility to enter up to 100 different programs with 100 strokes for each program.
- Updates available and possibility to save parameters and programs on USB key.
- Blade guides with automatic positioning depending on the workpiece dimensions and the cutting angle.
- Double vice with independent control, on both loading and unloading sides.
- Storable head start measures with timed vice opening.
- Possibility to temporary stop the working cycle.

- Possibility of performing single cuts in semiautomatic mode.
- Possibility of reversing the cutting jaws for a better locking of the material during 0° cutting.
- Hydraulic unit with a variable flow rate 4kW pump.
- Hydraulic movement of the fixed jaws on the user side to make the feeding of bent bars easier.



## OPTIONAL

**PVS** Vertical pushing system, pressing the workpiece in the cutting area, to help the material to straighten in case it is bent.  
**RFP2S** 2-meter heavy roller tables (1200 Kg/m).

**PSA** Advanced software system. Possibility to have the control panel screens on PC screen, so that you can program the band saw via PC and transfer the programs to the panel via USB key.

