



LaborMarine

LaborMarine is a modular 5-axis machining center specifically developed for large dimension parts milling, ensuring at the same time the maximum machine accessibility for loading/unloading operations.



	Axis / Assi mm	Speed/velocità
X	2600-4000 mm	80 mt/1'
Y	4000-6500-8000-11.000-12.600	80 mt/1'
Z	1800 mm	40 mt/1'
A(°)	+/- 120°	40 mt/1'
C(°)	+/- 365°	30 mt/1'





Spindle / Mandrino	
	10-15 kW 24.000 rpm
	22 kW 18.000 rpm
Num. control / Controllo numerico	
Siemens	840 D
Tools / Utensili	
Linear ATC Magazzino lineare	8 - 10 pos.



Working head with 2 continuous interpolated axes

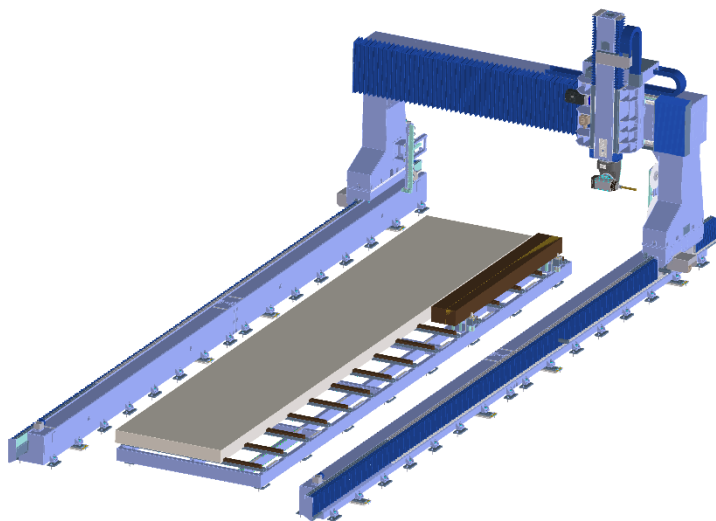
The transmission of the rotating axes movements (A and C) is made by servomotors with preloaded high precision reduction gears, while encoders and safety devices are installed, to avoid extra strokes and damages to the cable's wiring. Both A and C rotary axis are equipped with locking device, useful for machining at fixed inclined angles (example: constant angle inclined cuts); this system gives more rigidity to the working head and avoid any wearing of the mechanical components.

Tool setter

The tool setter precisely determines length and radius of the tool, measures single edged cutters and detects broken tools. The device is mounted on a sliding support, with pneumatic movement in order to not restrict the working area.

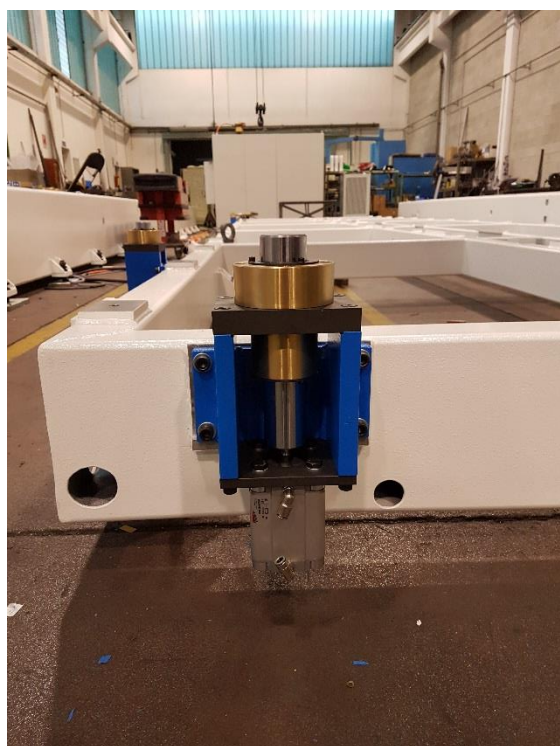
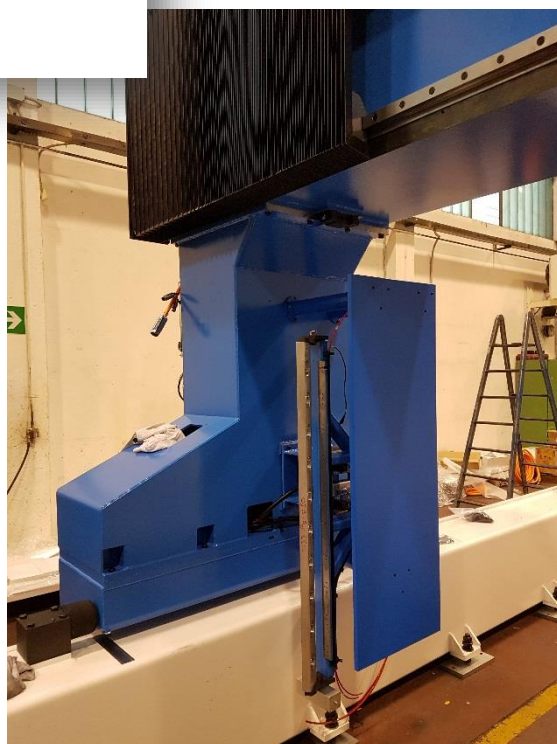


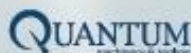
Composites / Compositi	✓	Marine / Nautica	✓
Resin / Resine	✓	Automotive / Auto	✓
Wood / Legno	✓	Industrial / Industria	✓
Aluminum / Alluminio	✓		
✓ Best application / Miglior applicazione			
✓ Suggested application / Applicazione consigliata			



Working table

Fix working table made of electro-welded steel bars on a cross grid structure, 2.450 x 1.550 mm, M8 threaded holes with 300 x 300 mm pattern on the surface to be used for clamping of jigs. On the perimeter of the table, the machine has slides for the evacuation of the scraps, while two collection bins are installed under the working table to facilitate the waste removal.





Ciserano (BG) - Italy



Levate (BG) - Italy



Vigevano (PV) - Italy



Columbus - (OHIO) - USA



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HOUSEHOLD APPLIANCES INDUSTRIAL

- THERMOFORMING MACHINES
- PUNCHING PRESSES
- PUNCHING MOLDS
- SHEET SINGLE STATION
- COIL UNWINDER
- AUTOMATIC LOADER

THERMOFORMING MOLDS

PRESSES

- COMPRESSION PRESSES
- INJECTION PRESSES
- RECONDITIONING

CNC CENTRES

- CNC MILLING
- WATERJET CUTTING
- LASER CUTTING

ENGINEERING

- TURNKEY PLANTS
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- WORKING AREAS



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