

Technical data

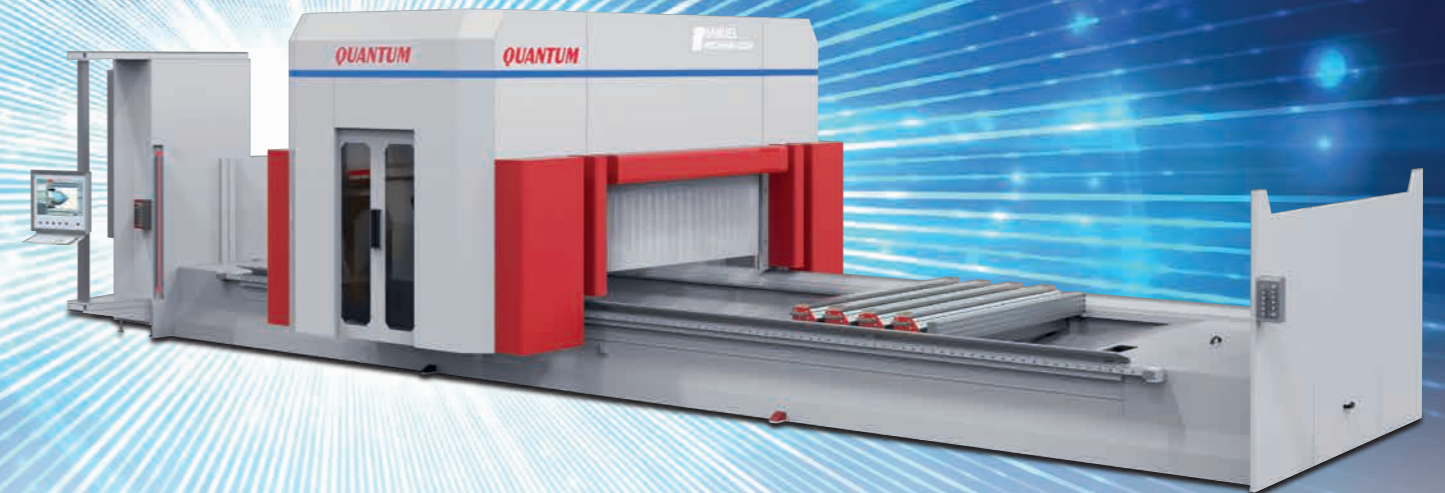
QUANTUM	Basic concept of the machine
Equipment configuration	5-axes milling unit with cardanic spindle (-10° undercut)
Additional equipment	Multi-spindle drilling gear with 25 spindles Blasting nozzles Torque support
Spindles	Reckerth make – 15 kW; 24,000 rpm; HSK-F63
Tool changers	Comb-shaped pick-up with 36 places
Extraction and chip removal	Extraction hood (height-adjustable) Chip conveyor
Machine table equipment	HPL table surface (with grooves) Automatic beam table Single stops and fixed stop supports
Working area layout	QUANTUM I: 4,200 x 1,600 x 500 mm QUANTUM II: 6,200 x 1,600 x 500 mm QUANTUM I-T: 4,200 x 2,100 x 500 mm QUANTUM II-T: 6,200 x 2,100 x 500 mm
Workpiece clamping technology	Vacuum clamping table Vacuum clamps Pneumatic clamps
Control systems	Siemens Sinumerik 840D sl (user interface HMI Operate, WIN 10)
Control options	Mobile operator desk HT2 hand-held unit (as an option) Control option remote diagnostics (Teamviewer) Control option machine date recording Control option OEM run time licence

Changes in the course of technical progress are reserved.

INFO

on a new machine concept

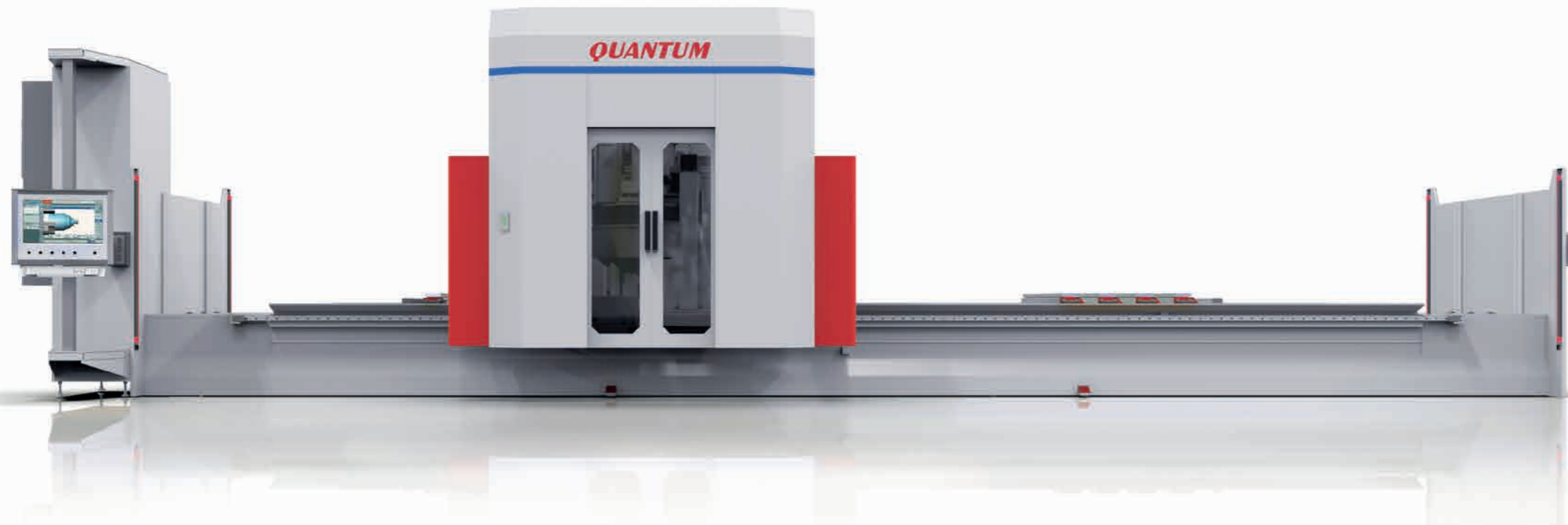
QUANTUM – The world debut in the new compact CNC class



*Sophisticated CNC-technology
for the manufacture of staircases,
windows and doors*

*CNC-machining centres
to meet highest demands*

CNC-machining centre QUANTUM

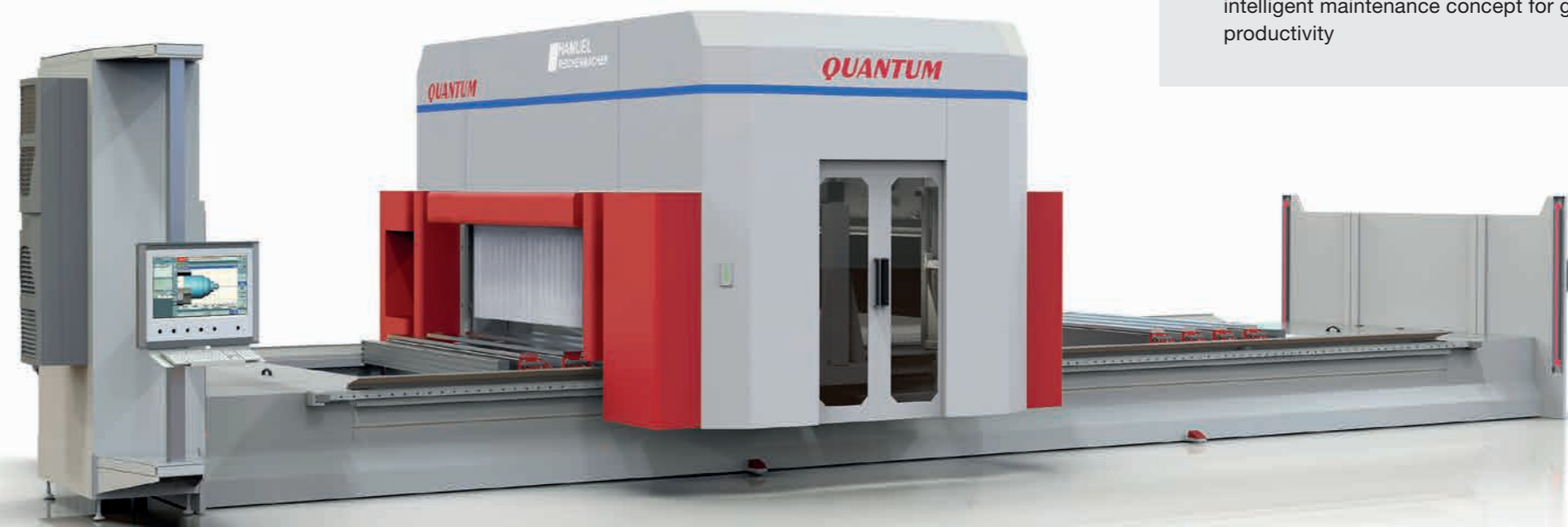


This upscale compact class line is intended to convince all joiners, carpenters and wood processors, who are still exclusively relying on traditional methods, of the advantages of applying CNC-technology. To this end, we have employed the basic requirement profiles for the manufacture of staircases, windows and doors. No doubt, often confined space conditions in production facilities are a decisive factor. Under these considerations the new QUANTUM is particularly unrivalled, as the typical Reichenbacher safety concept with bumpers, and therefore without protective grating, turns this line into a real space saver.

Moreover, there are the many impressive technical highlights of this machine, as, being renowned plant manufacturers, we live up to our recognised high technical standards even at this attractive price-performance ratio. The traditional wood processor, who does not yet apply CNC-technology, will be impressed by the extraordinary possibilities the QUANTUM offers, especially where the efficient manufacture of staircases, windows and doors is concerned. In our opinion, this includes also to make the future operation of a machining centre as intuitive as the every-day use of the smartphone. Like the SFP surface for interactive communication and predictive maintenance. The incorporation of this modern .NET-technology makes touch screen navigation, and thus the save generation of CNC-programmes for all machines, an easy task even for unexperienced users.

The high inherent rigidity of the machine's portal allows machining with great dynamics. The robust 5-axes machining unit does not only guarantee quick sawing cuts, but particularly good surface qualities. The following aspects of this Gantry-line are to be pointed out in particular: panels of standard dimensions can be processed without the need to pre-cut them, the entire circumference of the workpieces

can be machined, the table is automatically displaced and a powerful synchronous 15 kW spindle implements all processing steps at impressive quality. Moreover, we will deliver the machine completely assembled, including all the electronic connections, true to the motto: install it, switch it on and start working. This will result in considerable time savings especially for unversed wood processors.



The QUANTUM system

- World debut: the new compact class for processing solid wood
- CNC-space saver: large machining area of 6,200 x 2,100 x 500 mm
- Efficient 5-axes machining with 15 kW spindle in S1 continuous duty
- Quick sawing permitted by synchronous motor at saw blade diameters up to 450 mm
- Gantry-drive for good surface quality at high feeds
- Great flexibility: big tool changer with 36 places
- Effective drilling: unit with 25 drilling spindles
- Comfortable setting: automatic beam table with 8 beams and up to 32 basic units
- Powerful and quick clamping of scantlings: hose-free pneumatic clamping elements
- Chip management: compact and height-adjustable extraction hood, as well as chip conveyor integrated into the machine bed
- No pressure mats, no protective grating: safety system in bumper design
- Intuitive operation: SFP surface on 24" touch screen
- Predictive maintenance: intelligent maintenance concept for greater productivity