

Head-change capability

The modular ram and head system, equipped with a dedicated interface platform, allows automatic head change.
This solution is compatible with different milling solutions both 3 and 5 axes, allowing to combine both high roughing capacities, guaranteed by vertical spindles, and high dynamic performance at 5 axes through FIDIA heads.



Numerical Control

The GTF model is equipped with FIDIA **C20/C20-Vision** high speed multi-processor numerical control, or **SIEMENS** “SINUMERIK ONE”.

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GTF/Q4

The Modular Gantry Solution



Project Modularity



Time Reduction



Siemens CNC Available



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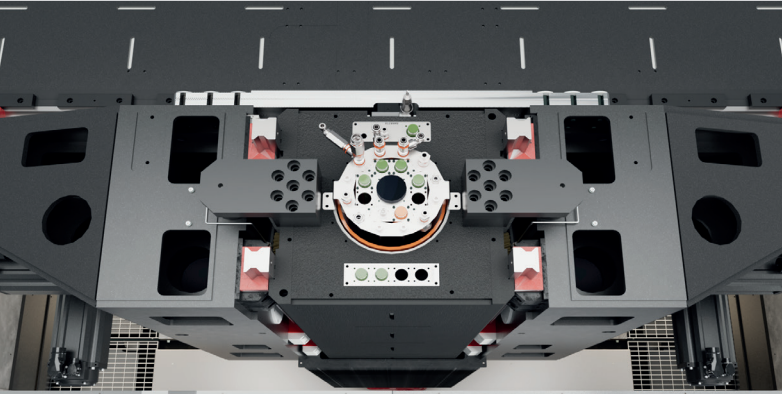
GTF/Q4



It is a modular, high-speed, 5-axis mobile top gantry machine specifically designed for precision machining of industrial products in a variety of materials, ranging from steel and cast iron, to aluminum, plastics, and composite materials.

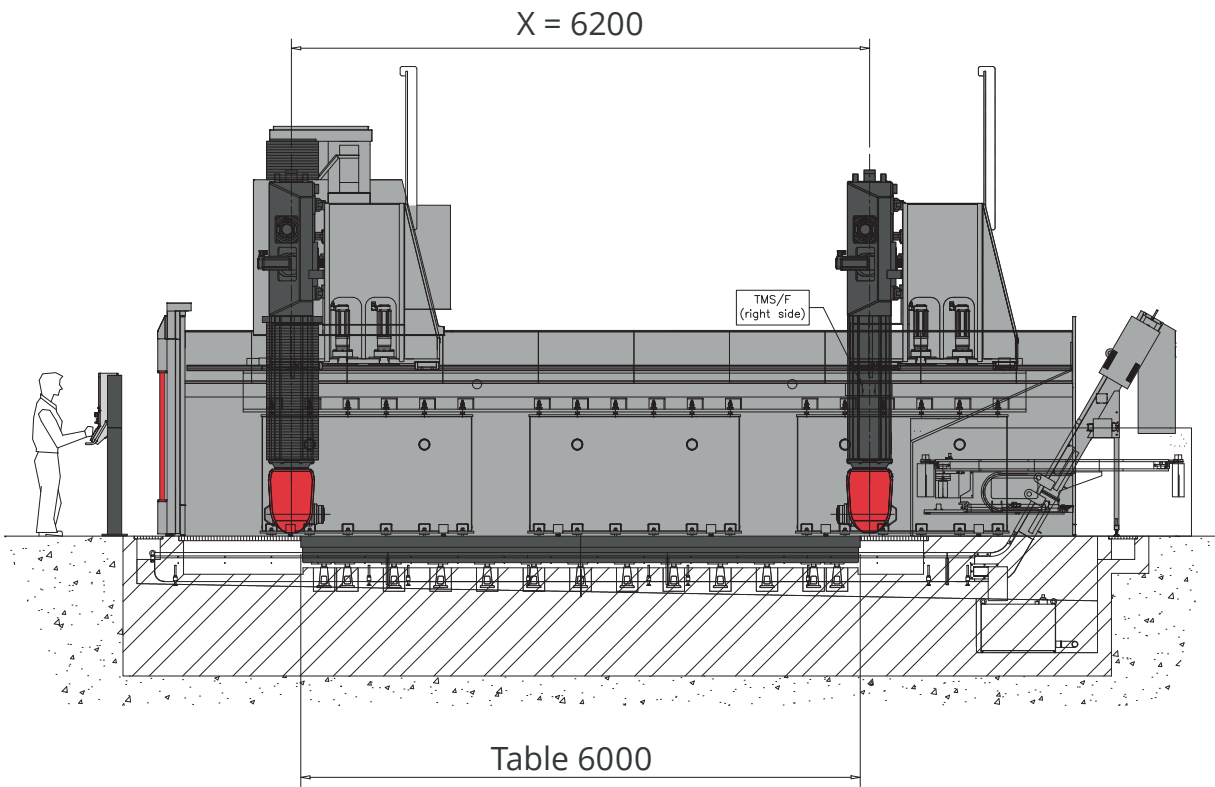
The crossbar houses the vertical Z ram with a single 5-axis head or, alternatively, with a head-changing platform for accommodating multiple heads.

Linear axis movements are driven by dual transmissions and motors acting on rack and pinion kinematics; double on the X axis (gantry) and single on the Y and Z axes.



Innovative YZ design

The 4 guides located on opposite sides of the ram and tightened to the innovative Y carriage (split) allow to obtain both rigidity and lower torsional effects of the Z axis.



Axes (mm)						
X	2.700 (106")	3.600 (142")	4.500 (177")	6.200 (244")	8.200 (323")	...+2.000 (...+79")
Y	2.200 - 2.700 - 3.500 (86,5" - 106" - 138")					
Z	1.000 - 1.200 - 1.500 - 1.800 (39" - 47" - 59" - 71")					
Heads Fidia	Speed (1/min)		Power (kW)		Torque (Nm)	
Tool holder						
M5A-M5S						
• HSK-A63	24.000		55		88	
• HSK-A100	15.000		65		124	
M5S2						
• HSK-A63	28.000		87		66	
• HSK-A100	16.000		62		148	
M5S3						
• HSK-A80	24.000		92		75	
• HSK-A100	15.000		71		328	
M3A						
• HSK-A100	10.000		56		307	
Axis speed						
Max working feed			X, Y, Z: 30 m/min			
Table						
Load capacity			4000 Kg/m ² (819 lbs/sqft)			

