



The M5S 5-axes head

The Fidia M5S features a symmetric design particularly suitable for its high dynamic, it's the best choice for machining Aerospace components.

Can be utilized in both 3+2 indexed, and 5 continuous axis.



The M5A 5-axes head

The Fidia M5A is a standard equipment for DL321. Its compactness and wedge shape geometry allows for penetrability and versatility of use. Can be alternatively utilized in both 3+2 indexed, 4 and 5 continuous axis machining, always with 0,001° positioning resolution.



The C20/C20-Vision Fidia CNCs

The DL321 is equipped with the C20/C20-Vision Fidia CNCs, the multi-processor CNCs specifically developed for the 5-Axes High-Speed-Milling industrial applications. The PC-based standard Windows architecture eases the interaction with the system.



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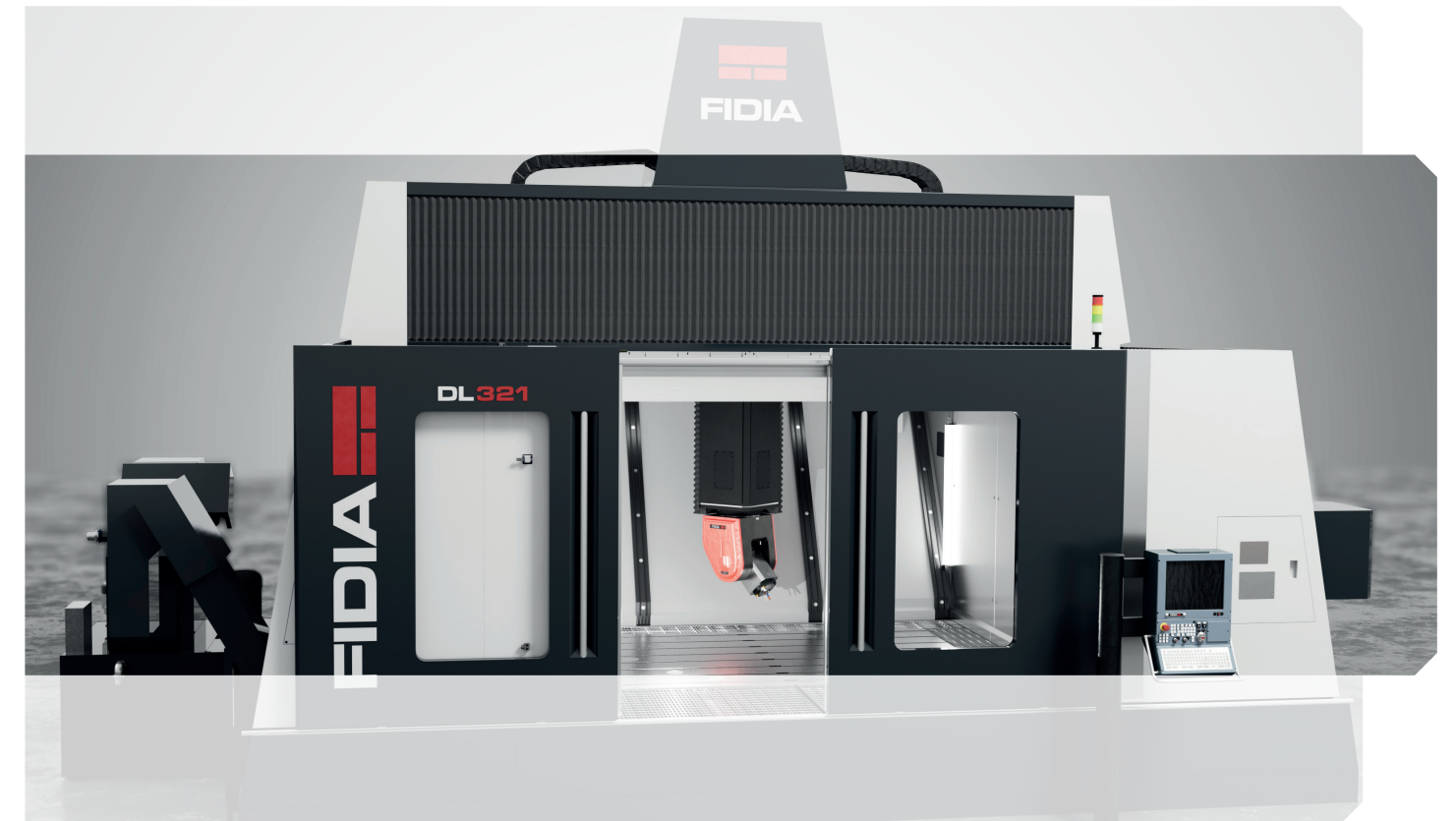
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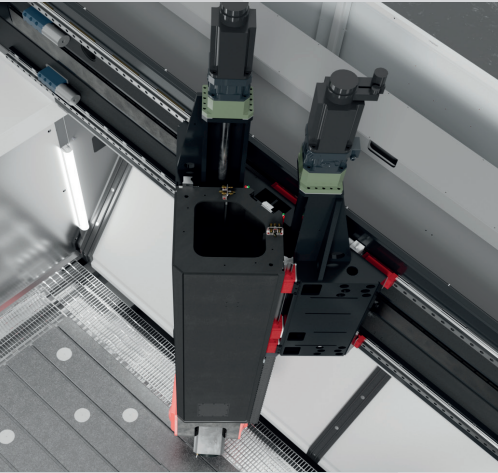
DL321

The Compact Gantry



DL321

Compact 5-axis upper gantry solution with axes strokes covering a wide range of applications. Its structure that includes polymeric concrete side walls, allowing for the machining of different kind of materials, like aluminum alloys and steel, for both automotive and aerospace fields.



Innovative XZ design

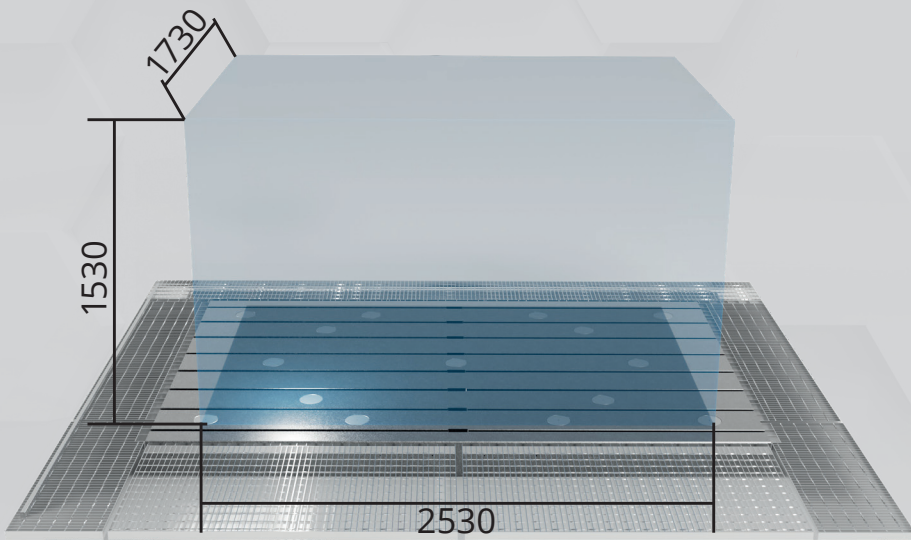
Equipped with dynamic linear motors on both X and Y axis, is characterized by the innovative XZ, patent pending, assembly design (45° revolved RAM) allowing for high rigidity and best thermo-simmetric behaviour with reference to the RAM section.

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The DL321 machines combine a compact footprint with a remarkable working area
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Technical details

Particular attention is taken to the overall design allowing for the optimization of the footprint of the standard machines.

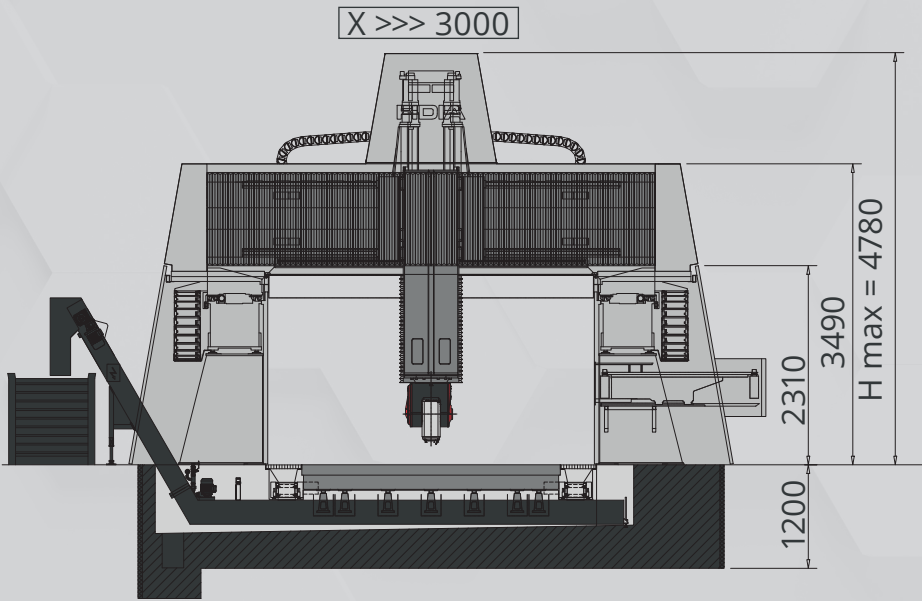
Axes	X	Y	Z
Strokes (mm)	3.000	2.200	1.250
Working area (mm)	2.530	1.730	1.530
Speed (m/min)	60	60	30
Spindle			
Speed (1/min)	24.000	15.000	
Power (kW)	55	65	
Tool Holder	HSK63A	HSK100A	
Workpiece Table size (mm)			
3.000 x 2.000			



Layout

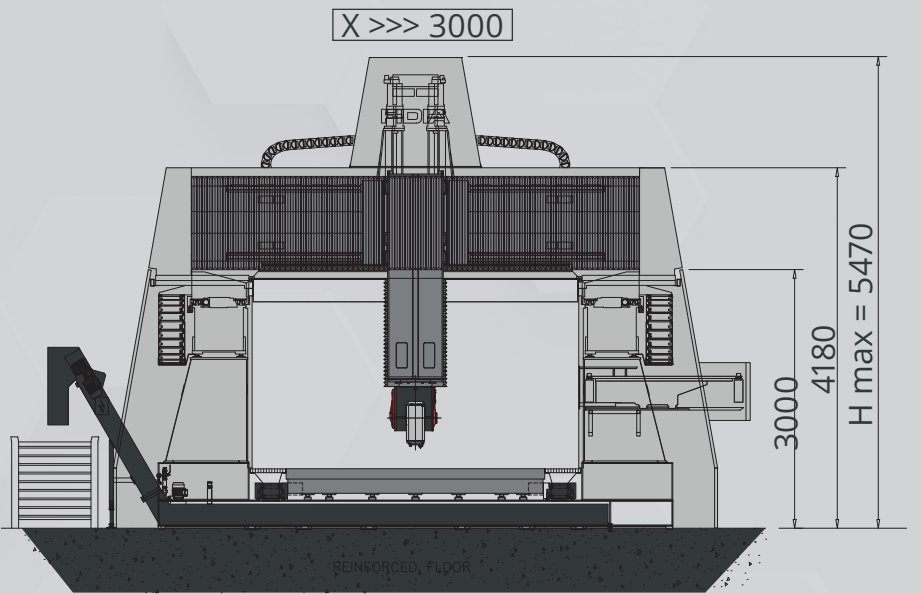
Two basic versions are available:

DL321/Q



DL321/Q with workpiece table separate from the side walls, offering the possibility of various Z clearance to adapt to high or flat parts. The working table is made of cast iron as an independent part, fastened to the floor.

DL321/M



DL321/M with monolithic base, allowing to install the machine on a simplified foundation or directly on a industrial floor. The working table is integrated into the monolithic structure of the machine.