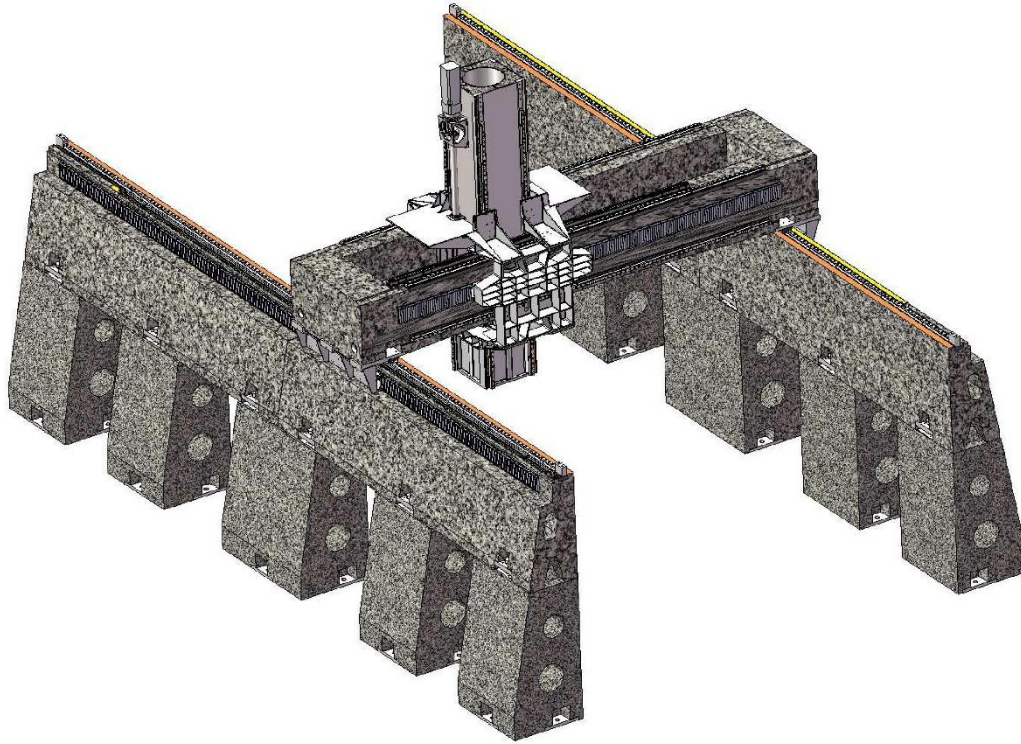


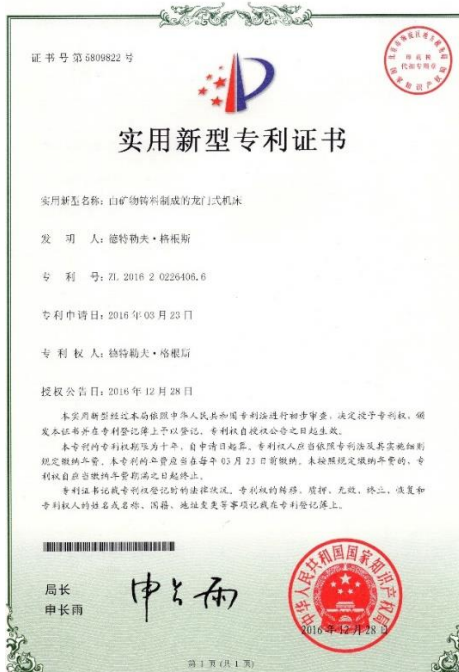
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German High- Tech Mineral Cast Technology

Below a 4,5m x 9m Gantry machine Project. The bridge and Support on the bridge is driven by linear motors.



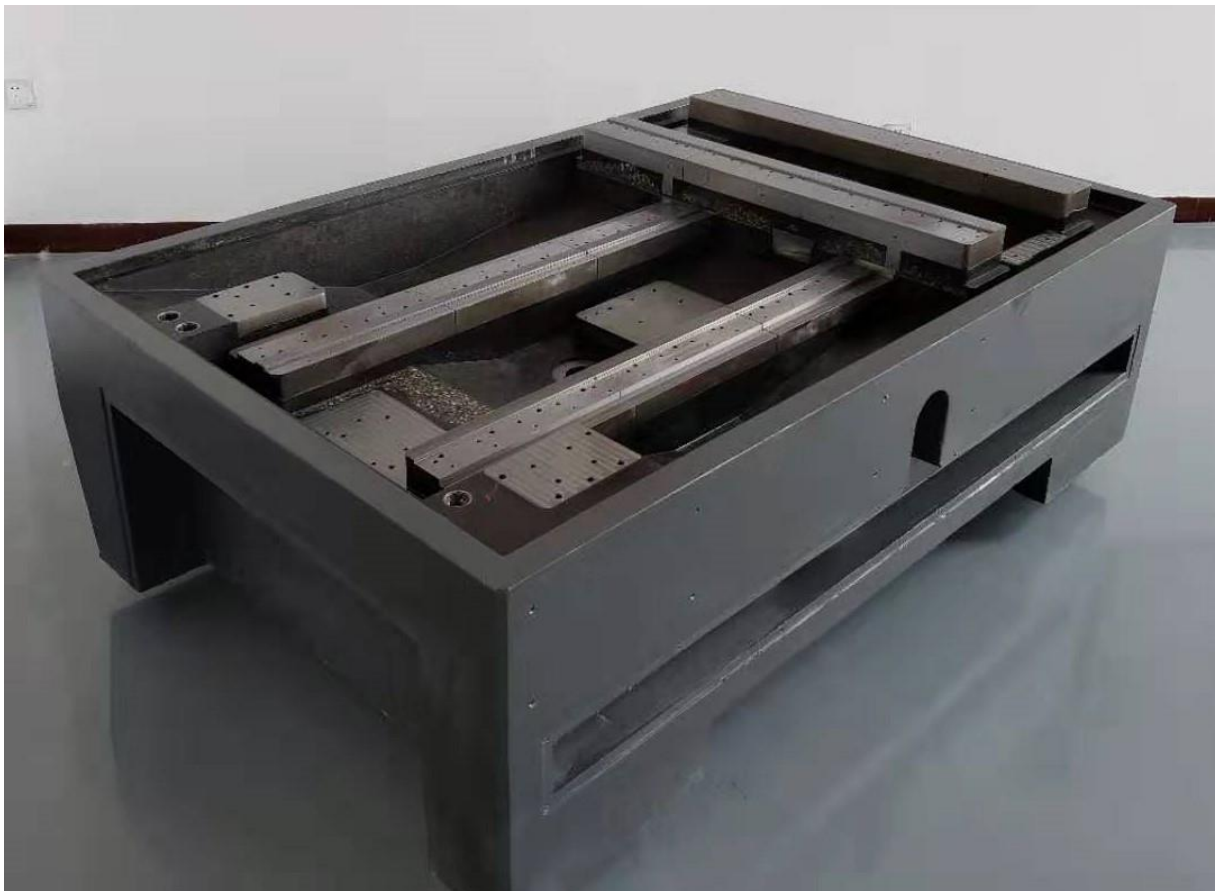
We are able to do the consulting to start up German highest quality Mineral Cast business.



German High-Tech Mineral Cast Technology

The below shown Mineral cast machine base for High Precision Tool Grinding Process is produced in a start up Company in China. The precision of this 2,4t mineral cast machine base – flatness + parallelism is less than 0,005mm.

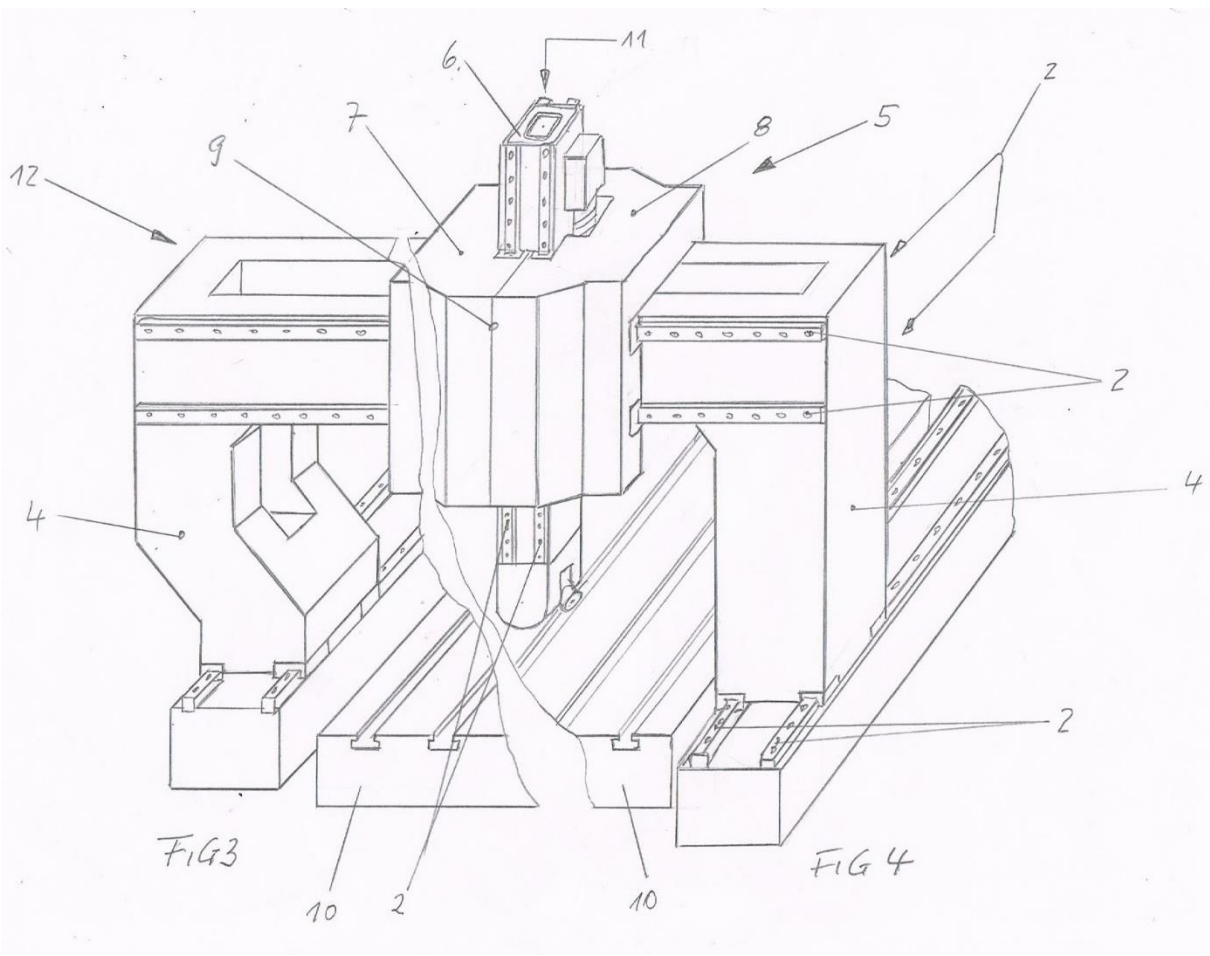
The surface for Linear Guides and Ball Screw fixing is cast iron material which is casted inside the mineral cast base.



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The protection of this Mineral Cast Gantry Machine is, that the RAM position is inside the support and inside the Bridge, not outside the bridge as normal, which is making the system of support on the bridge and the RAM very stiff, because also inside the RAM is Mineral cast Material, see Pos 6.

(Pos. 8 on this picture below is not made out of Mineral Cast, it should be Cast Iron – see the picture on the bridge of the other Gantry machine).



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To get the chance to have already for Prototypes and small Machine Tool series an Mineral cast base- (because a casting mould is expensive to use it only for one base or small series), it is possible to use a printed mould.

Below you see the Chinese patent for it, the German document is still not arrived.



If you are interested to know more about this new technology, let us know.

