

YONGHUA GMC MACHINING CENTER ADVANTAGES

- 1.Design with German method and technology,made in China.You will gain the highest cost performance.
- 2.The machine bed and columns are cast by new mineral material instead of iron. The excellent shock absorption is 10 times better than iron casting.It will never rust.Thermal expansion coefficient and heat conduction coefficient are also lower than iron casting.So,the machine stability and accuracy can improve 40%.
- 3.Beam, ram, spindle box, worktable apply German steel welding technology. This can reduce 20% move parts weight, get higher rigidity and lower movement inertia , improves the response speed and motion accuracy of the machine.
- 4.The spindle box adopts 450mm x 450mm square ram structure with four guide ways supported. The structure ensures the rigidity and stability of strong cutting when the ram extends.
- 5.The spindle is driven by AC servo motor with German ZF two speed automatic gear box. The transmission lubrication oil temperature is controlled by an independent oil cooler.
- 6.Spindle has automatic broach device, hydraulic loosening, disc spring tension, loose cutter,scraping cutter and oil cylinder return three point detection.
- 7.The three axes straight motion is realized by high precision imported double nut preload ball screw rotating.Ball screw through Japan MIKI Coupling connects with high precision German NEWCASTLE planetary gear reducer which directly connected with AC servo motor.
8. Z axis motion adopts the German HAWE automatic balancing technology by double oil pressure balancing cylinder, overcome the upper and lower unbalance moments caused by self weight.

9.The three axes are supported by super heavy load roller linear , Y axis roller linear apply staircase design.

10.Worktable adopts the Bessel best fulcrum design, effectively guarantee the high rigidity and high stability .

11.Centralized automatic grease lubrication system instead of oil lubrication system.No oil drops,no pollution.

Maintaining every 6 months.Reduce your 60% maintain cost.

12.The key parts of machine tools are measured by the German ZEISS three coordinate measuring system.The precision is strictly tested by the RENISHAW laser interferometer and the ball bar.

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SHANDONG YONGHUA MACHINERY CO., LTD.

ZHIYUAN ROAD,ECONOMIC DEVELOPMENT ZONE,YANZHOU,SHANDONG,CHINA



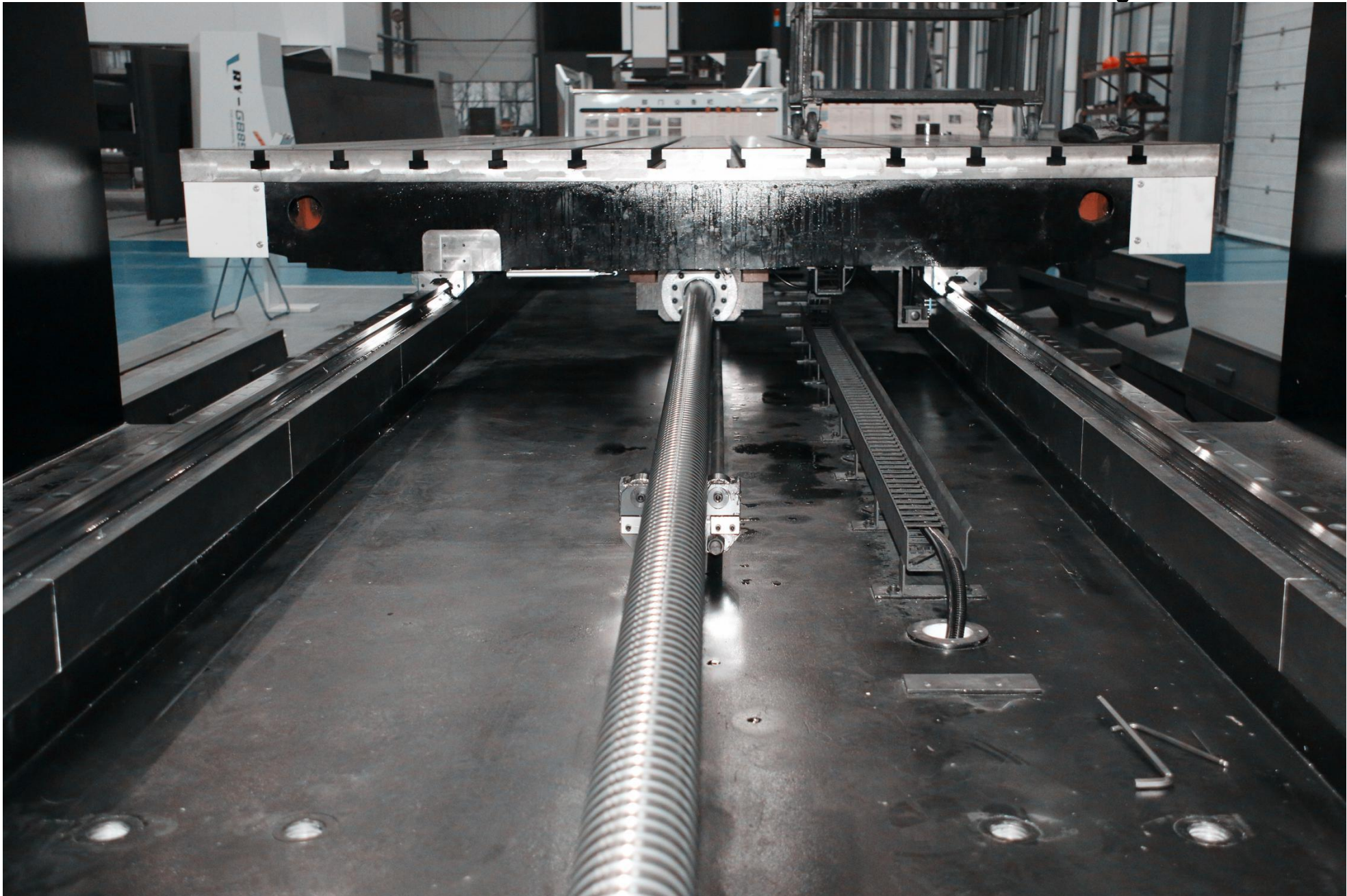


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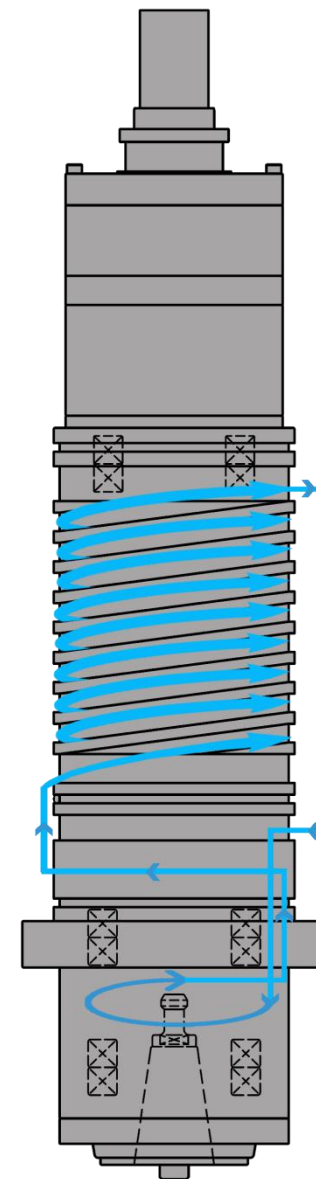
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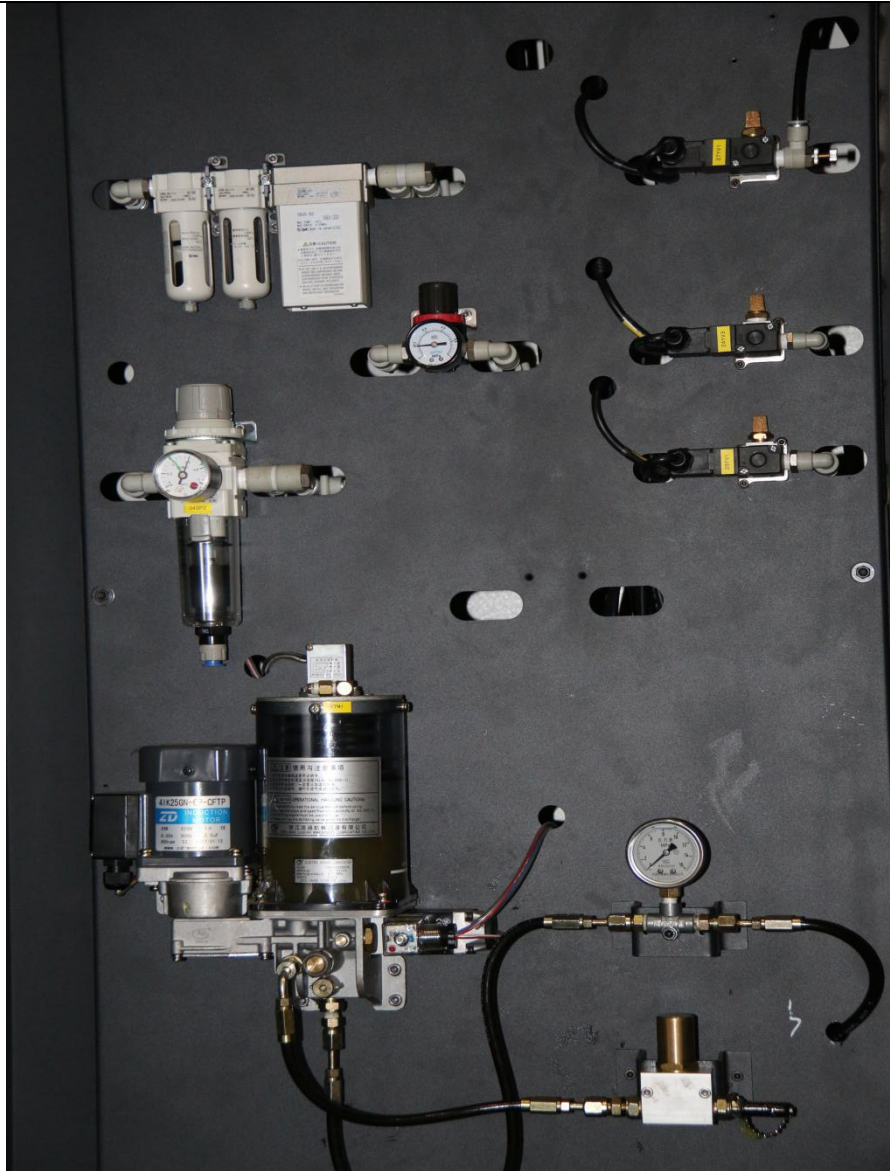


Machine bed and two columns are mineral material not iron casting



Bessel best fulcrum for worktable





Air purification system

Automatic grease lubrication system



Air tank & spindle oil cooler