



Doosan Machine Tools

HIGH PRECISION CERAMIC MACHINING CENTER

VX

6500C



Basic structure

VX6500C has the Bridge type structure for high-performance, high-accuracy machining

Travel distance

X axis 1050 mm
(41.3 inch)

Y axis 650 mm
(25.6 inch)

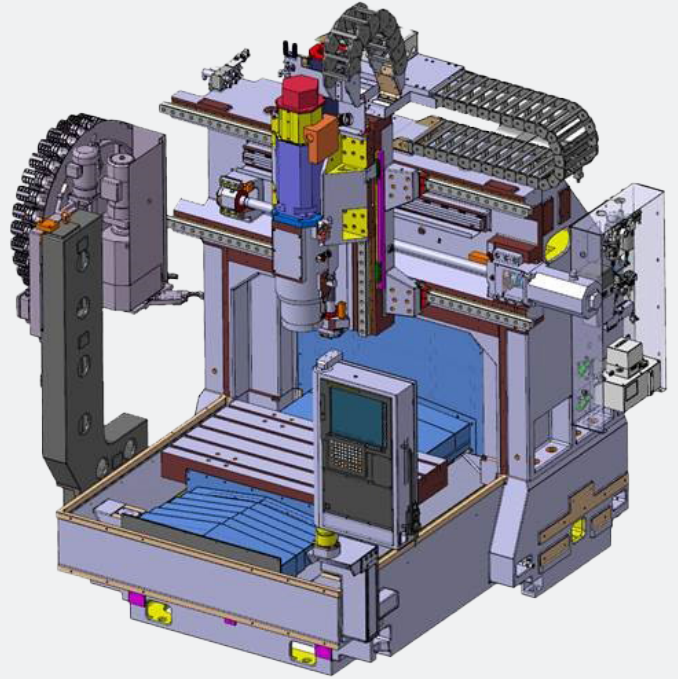
Z axis 550 mm
(21.7 inch)

Rapid traverse rate

X axis 30 m/min
(1181.1 ipm)

Y axis 30 m/min
(1181.1 ipm)

Z axis 30 m/min
(1181.1 ipm)



Spindle

The new spindle provides low noise and high precision performance.

Max. spindle speed

12000 r/min {20000 / 30000 / 40000} option

Max. Spindle power

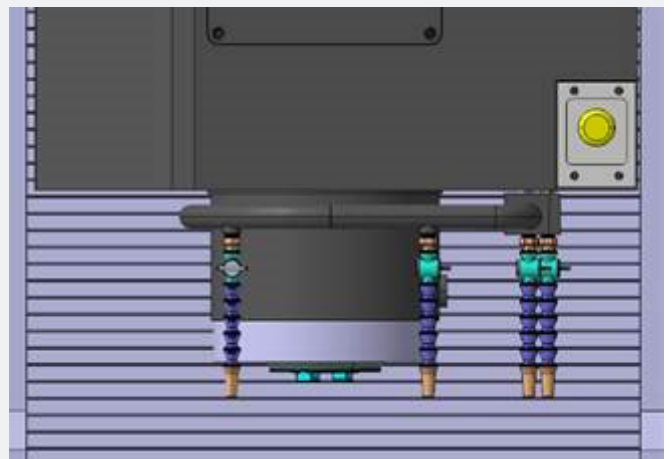
18.5/11 kW {22/11, 18.5/13, 5.5/3.7} option

(24.8/14.8 Hp {29.5/14.8, 24.8/17.4, 7.4/5.0})

Max. spindle torque

117.8 N·m
{60, 5.9, 3.5} option

(86.9 ft-lbs {44.3, 4.4, 2.6})

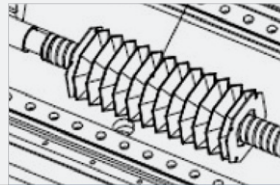


Ceramic package

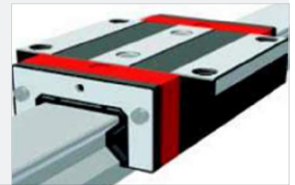
Various protection package from ceramic dust which can effect to reliability and accuracy of axis and spindle.

Protective device applied for outstanding linear axis accuracy of feed drive system.

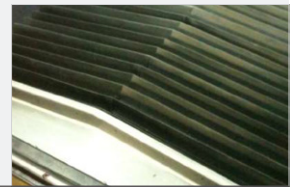
1. Ball screw cover



2. LM guide double wiper

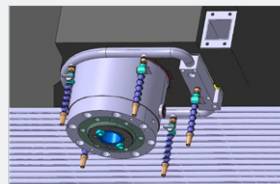


3. Y axis cover



4. Ring type flood coolant

Since coolant is sprayed from various directions, it is effective in removing sludge.

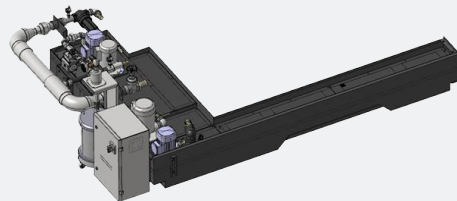


5. Oil lubrication



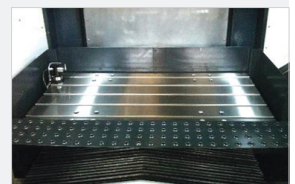
6. Ceramic filter system option

The sludge becomes rich and is filtered through a filter.



7. Table cover option

Sludge can be piled up in a set range and is easy to clean.



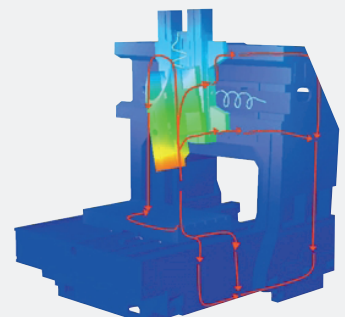
Realizes high-quality, high-precision machining with smoothing thermal displacement compensation of the spindle and structure.

Compensation of static displacement of spindle

Compensates in tool position caused by expansion of the spindle shaft at high speed.

Structure thermal displacement compensation

Compensates irregular deflection or expansion of the structure due to ambient temperature using a multiple temperature sensors.





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*The specifications and information above-mentioned may be changed without prior notice.

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**Fire Safety
Precautions**

There is a high risk of fire when using non-water-soluble cutting fluids, processing flammable materials, neglecting use coolants and modifying the machine without the consent of the manufacturer. Please check the SAFETY GUIDANCE carefully before using the machine.