

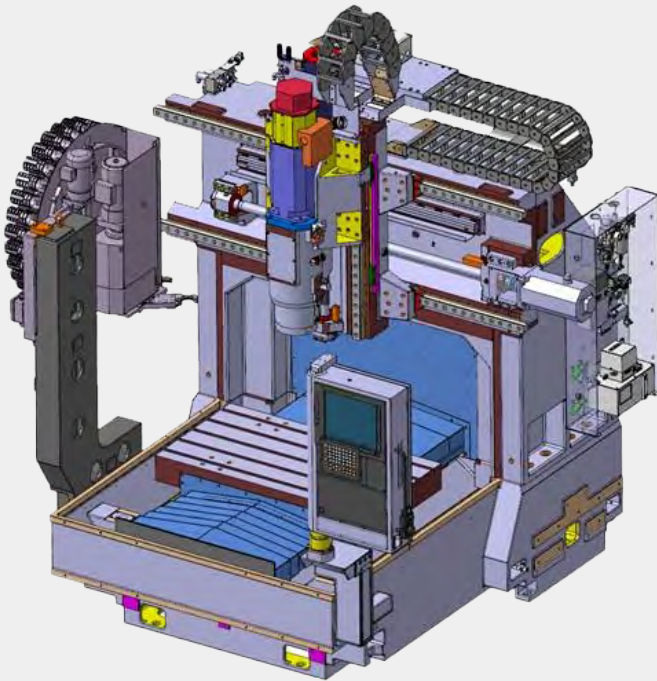
HIGH PRECISION CERAMIC MACHINING CENTER

# 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 r/min option

## Max. Spindle power

**18.5/11** kW

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

24.8/14.8 Hp

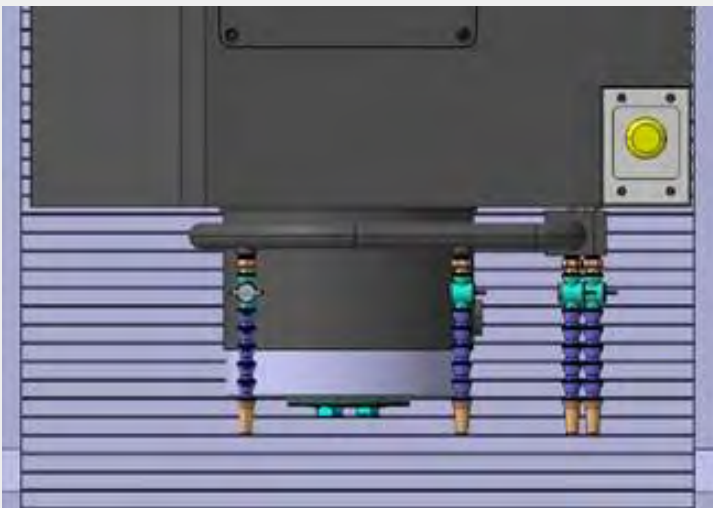
{29.5/14.8, 24.8/17.4, 7.4/5.0}

## Max. spindle torque

**117.8** N·m

60, 5.9, 3.5 N·m option

86.9 ft-lbs {44.3, 4.4, 2.6}



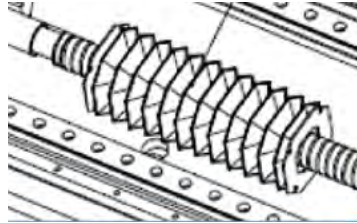
# CERAMIC PACKAGE

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

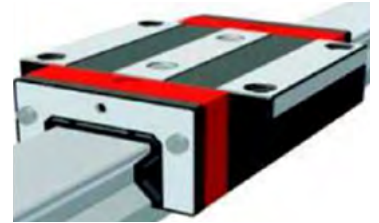
Protective device applied for outstanding linear axis accuracy of feed drive system.

VX 6500C is capable of processing various high hardness/high heat resistance ceramic materials such as Si (silicon), SiC (silicon carbide), aluminum oxide, and Quartz.

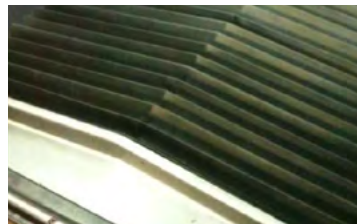
## 1. Ball screw cover



## 2. LM guide double wiper

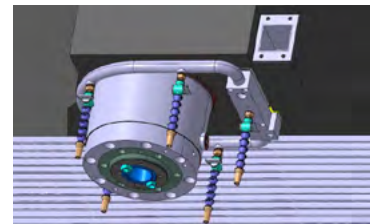


## 3. Y axis cover



## 4. Ring type flood coolant

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

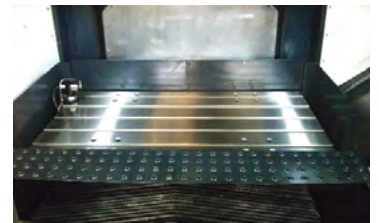


## 5. Oil lubrication



## 6. Table cover option

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



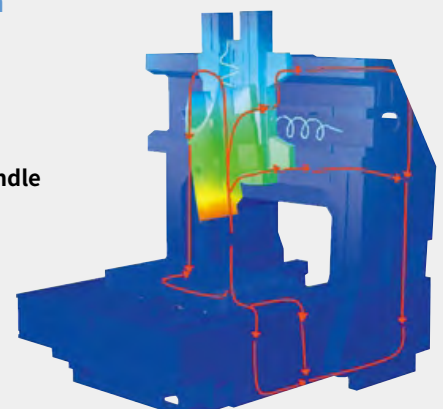
Realizes high-quality, high-precision machining with smoothing thermal displacement compensation of the spindle and structure.

### 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.





**Head Office**

19F, 10, Tongil-ro, Jung-gu Seoul,  
Republic of Korea, 04527  
Tel: +82-2-6972-0370/0350  
Fax: +82-2-6972-0400

**DN Solutions America**

19A Chapin Road,  
Pine Brook New Jersey 07058,  
United States  
Tel: +1-973-618-2500  
Fax: +1-973-618-2501

**DN Solutions Europe**

Emdener Strasse 24, D-41540  
Dormagen, Germany  
Tel: +49-2133-5067-100  
Fax: +49-2133-5067-111

**DN Solutions India**

No.82, Jakkuar Village  
Yelahanka Hobil,  
Bangalore-560064  
Tel: + 91-80-2205-6900  
E-mail: [india@dncompany.com](mailto:india@dncompany.com)

**DN Solutions China**

Room 101,201,301, Building 39 Xinzhuan Highway  
No.258 Songjiang District China Shanghai (201612)  
Tel: +86 21-5445-1155  
Fax: +86 21-6405-1472

**DN Solutions Vietnam**

M.O.R.E building 2F, 40A-40B Ut Tich Street, 04 Ward 04,  
District Tan Binh District, Ho Chi Minh City, Vietnam  
Tel: +84 28-7304-0163

**Sales inquiry**

[sales@dncompany.com](mailto:sales@dncompany.com)