



*Optimal Solutions for the Future*

# BM 2740U



---

Bridge type machine  
with Universal Head

---

**BM 2740U**

---

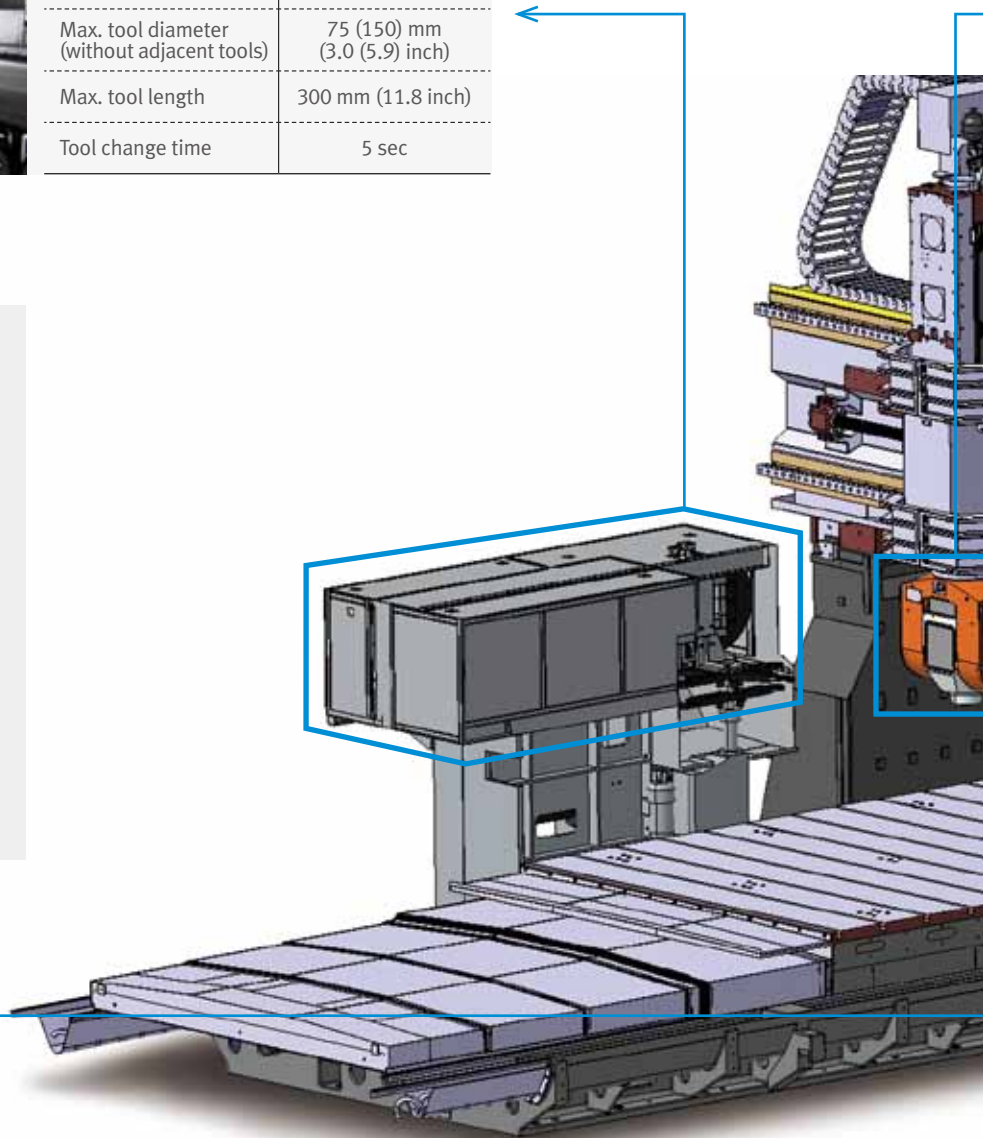
ver. EN 160502 SU

**Chain-type ATC**



Tool type	HSK-A63
No. of tools	60 EA
Max. tool weight	8 kg (17.6 lb)
Max. tool diameter (without adjacent tools)	75 (150) mm (3.0 (5.9) inch)
Max. tool length	300 mm (11.8 inch)
Tool change time	5 sec

**HEIDENHAIN iTNC530**



# BM 2740U

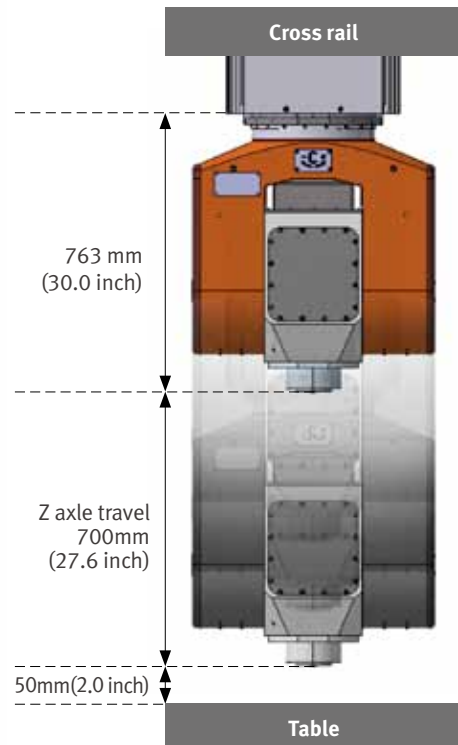
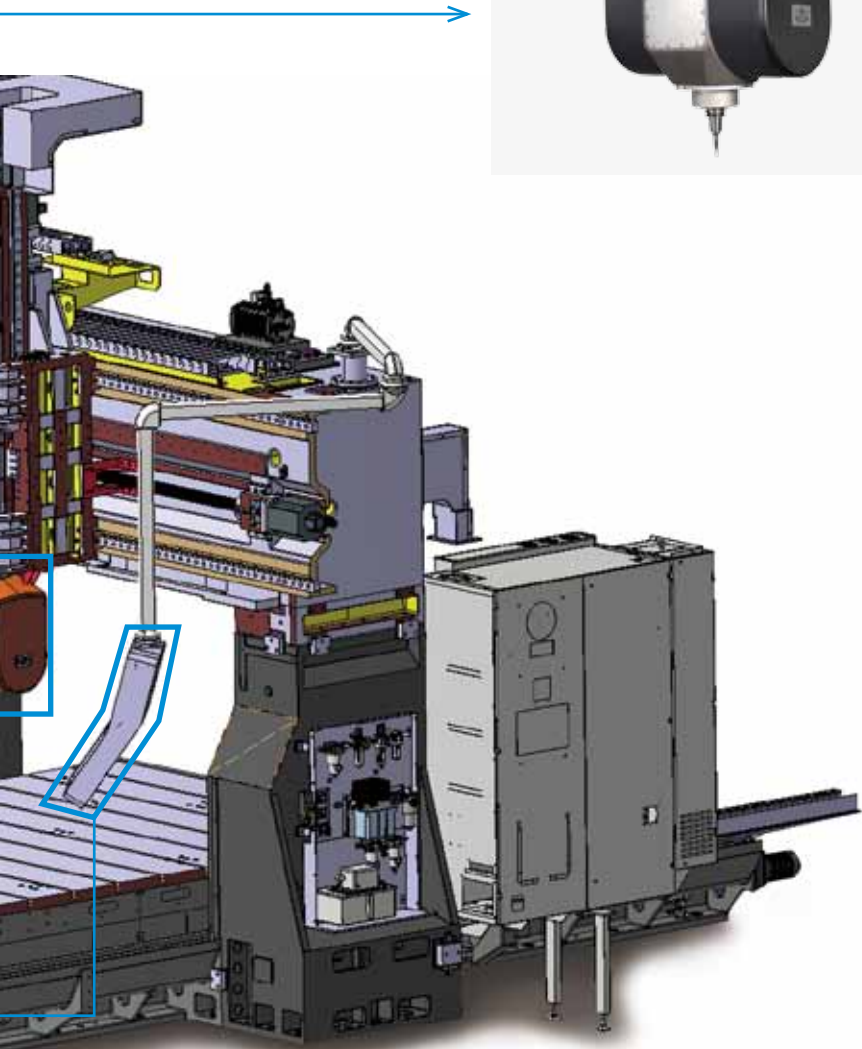
**Simultaneous 5-Axis Double Column Machining Center for Processing Large Aerospace Parts**

Simultaneous 5-axis cutting is supported by a universal head suitable for processing large aerospace parts. The simultaneous 5-axis performance has been further enhanced by incorporating the HEIDENHAIN CNC system. The design concept focused on user convenience and work efficiency improves productivity with higher added value.

### Universal Head (HeadTec)



Spindle speed	18000 r/min
Power	40 kW (53.6 Hp)
Torque(S1/S6 60%)	100 N·m / 138 N·m (73.8 ft-lbs / 101.8 ft-lbs)
Rotating angle (B/C axis)	±110 / ±220
Tool type	HSK-63A



### Simultaneous 5-axis cutting realized with a universal head

- 2-axis universal head
- Integrated with the Heidenhain CNC System for high reliability in simultaneous 5-axis machining

### Two-face-contact HSK-type spindle suitable for high-speed high-precision cutting

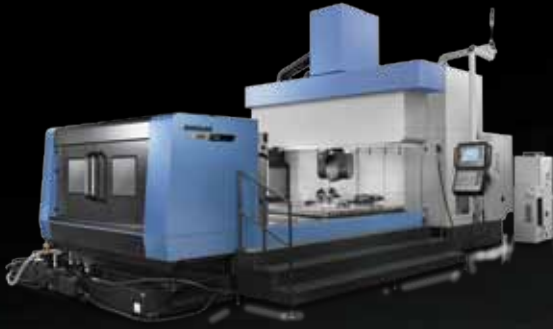
- High speed spindle: HSK-A63 / 18000 rpm

### Structure designed for high-precision cutting

- Symmetric double column structure
- Linear scale (X / Y / Z axis)
- Thermal error compensation technology

## Main Specifications

### BM2740U



Description	BM 2740U
Travel Distance (X / Y / Z)	4000 mm / 2500 mm / 700 mm (157.5 inch / 98.4 inch / 27.6 inch)
Rapid traverse (X / Y / Z)	12 / 16 / 16 m/min
Spindle speed / taper	18000 r/min / HSK-A63
Spindle power / torque	40 kW / 138 N-m (53.6 Hp / 101.8 ft-lbs)
Table size (X x Y)	4000mm x 2500mm (157.5 inch x 98.4 inch)
Table loading capacity	15000 kg (33068.9 lb)
Tool storage capacity	60 ea
NC System	HEIDENHAIN iTNC530

#### Standard Feature

Footstep  
 Spindle head cooling system  
 Coolant gun  
 Flood coolant  
 Air curtain  
 Ball screw nut cooling system  
 Coolant tank & chip pan  
 DAFc (Adaptive Feed Control)  
 DHC (Doosan Heat Control)  
 Linear scale (X / Y / Z axis)  
 Potable MPG  
 Semi splash guard  
 60 tools magazine

#### Optional Feature

Air dryer  
 Through spindle coolant  
 Air gun  
 Automatic tool measurement  
 Automatic workpiece measurement  
 Coolant chiller  
 Full splash guard  
 LCD 1MPG handle  
 Lift up chip conveyor & bucket  
 Oil mist collector  
 Oil skimmer



## Doosan Machine Tools

<http://www.doosanmachinetools.com>

[www.facebook.com/doosanmachinetools](https://www.facebook.com/doosanmachinetools)

### Optimal Solutions for the Future

#### Head Office

Yeonkang Bldg., 6th FL., 270, Yeonji-dong,  
 Jongno-gu, Seoul, Korea  
 Tel +82-2-3670-5345 / 5362  
 Fax +82-2-3670-5382

#### Doosan Machine Tools China

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

#### Doosan Machine Tools Japan

#2412, Mita Kokusai Bldg. 1-4-28 Mita,  
 Minato-ku, Tokyo 108-0073, Japan  
 Tel +81 3 5730 9013  
 Fax +81 3 5730 9016

#### Doosan Machine Tools America

19A Chapin Rd., Pine Brook, NJ 07058, U.S.A.  
 Tel +1-973-618-2500  
 Fax +1-973-618-2501

#### Doosan Machine Tools Europe

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

#### Doosan Machine Tools India

106 / 10-11-12, Amruthahalli, Byatarayanapura,  
 Bellary road, Bangalore-560 092, India  
 Tel +91-80-4266-0122 / 121 / 100



\* For more details, please contact Doosan Machine Tools.

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

\* Doosan Machine Tools Co., Ltd. is a subsidiary of MBK Partners. The trademark **DOOSAN** is used under a licensing agreement with Doosan Corporation, the registered trademark holder.