

DOOSAN



BM 2740U

Bridge type machine with Universal Head



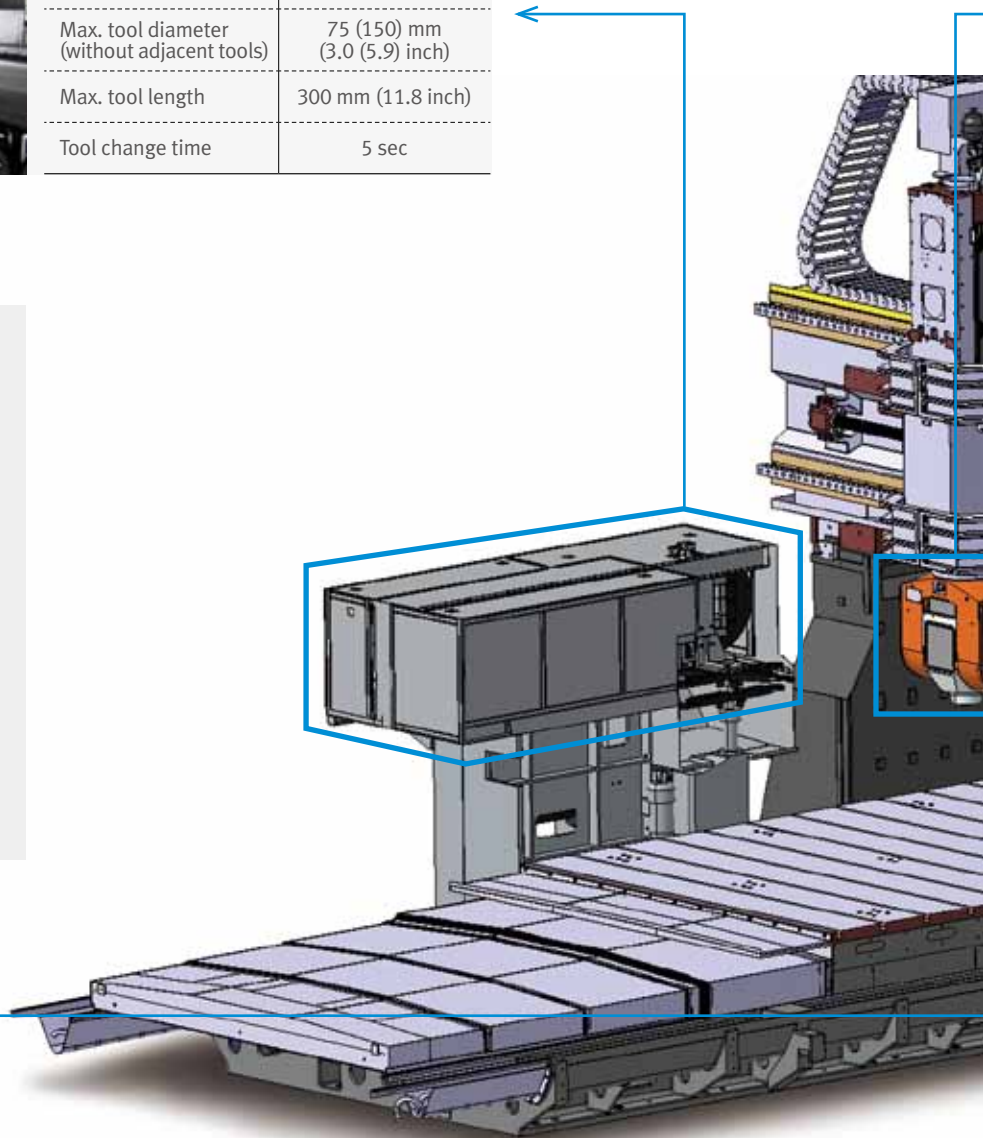
**MACHINE
GREATNESS™**

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

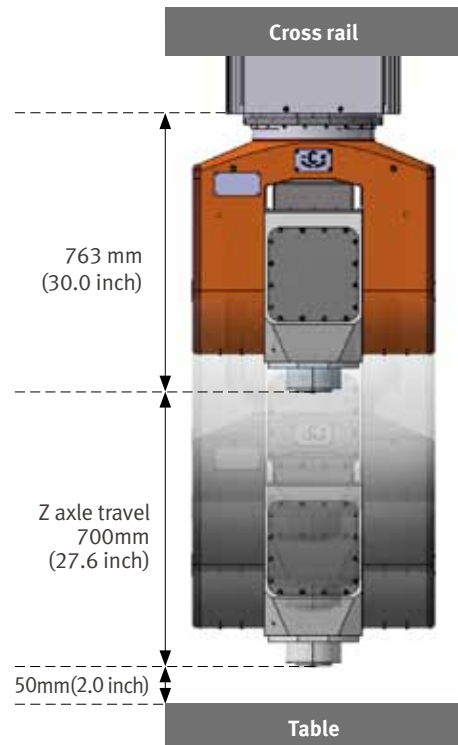
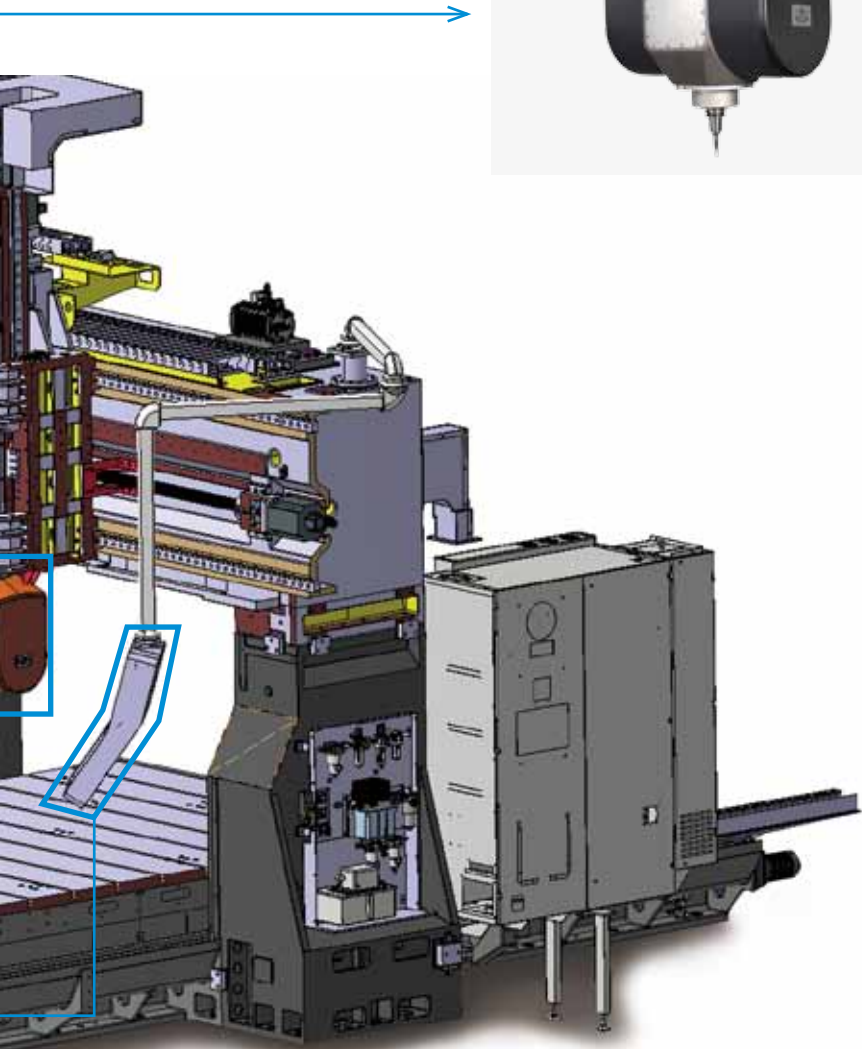
Simultaneous 5-Axis Double Column Machining Center for Processing Large Aerospace Parts

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

Major Specifications

BM2740U



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

Standard Feature

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

Optional Feature

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

Doosan Machine Tools

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www.youtube.com/c/DoosanMachineToolsCorporation

Head Office

22FT Tower, 30, Sowol-ro 2-gil, Jung-gu,
Seoul, Korea, 04637
Tel +82-2-6972-0370 / 0350
Fax +82-2-6972-0400

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 India

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

Doosan Machine Tools Europe

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

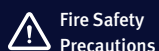
Doosan Machine Tools China

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

* For more details, please contact Doosan Machine Tools.

* 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.

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