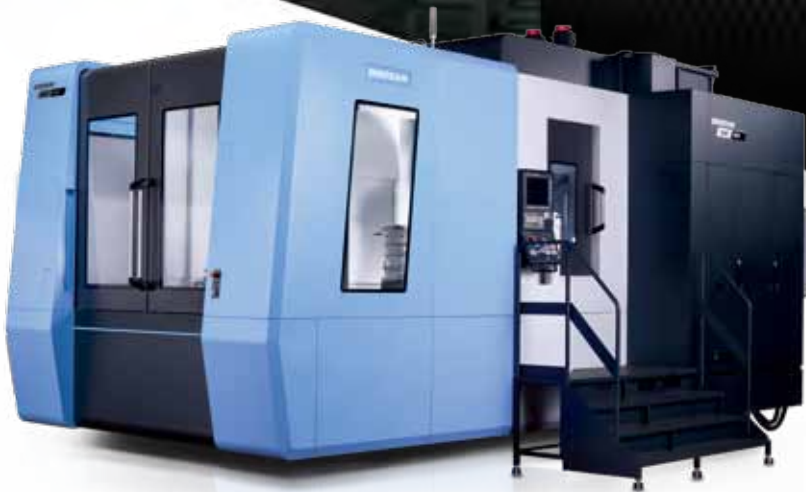
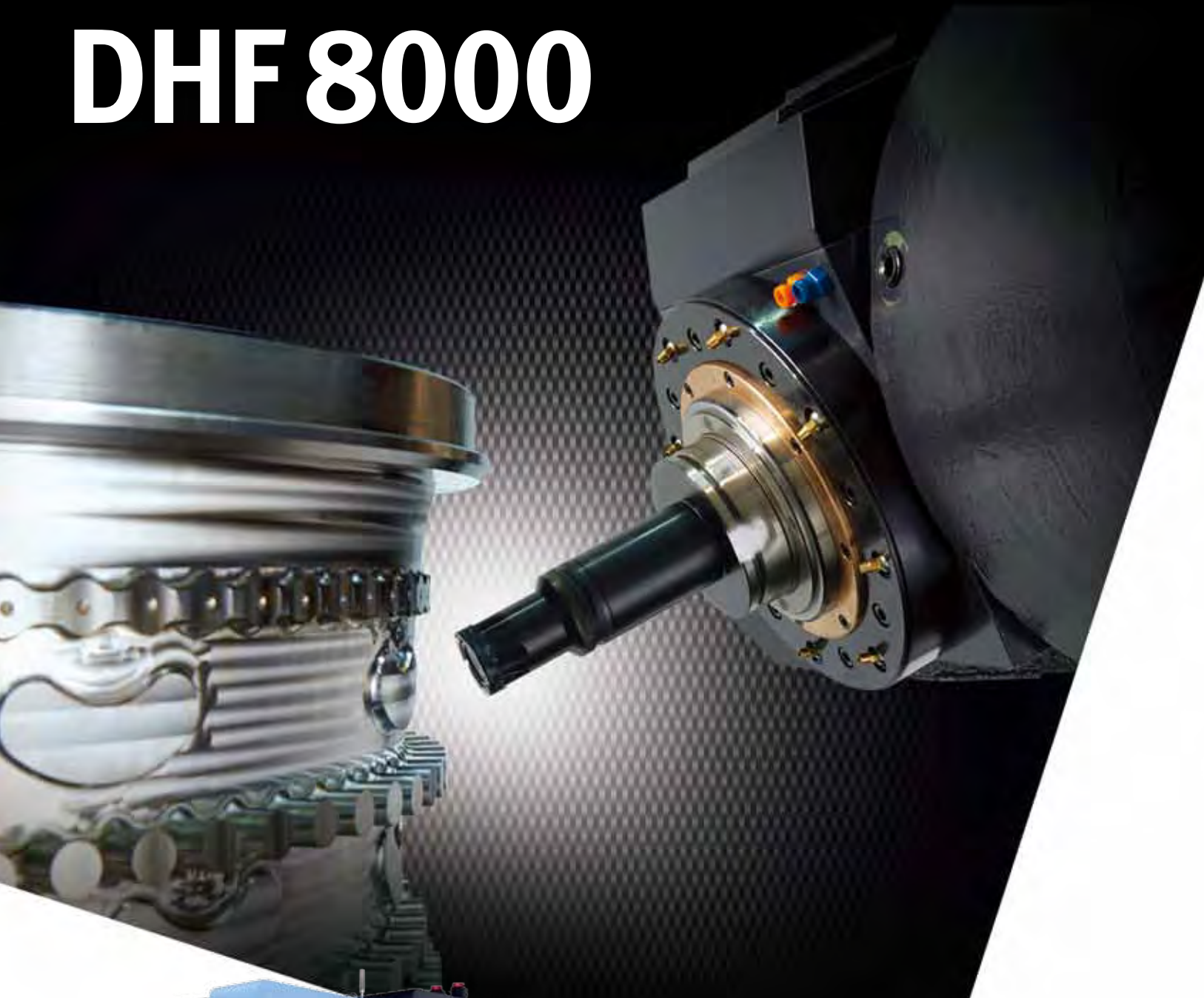




Optimal Solutions for the Future

DHF 8000



**Simultaneous 5 axis
Horizontal Machining
Center Equipped with
a Nodding Head**

DHF 8000

ver. EN 170227 SU

Basic structure

For machining various complex shapes, we applied 2-axis nodding head to realized simultaneous 5-axis. Dual ball screw was applied to Y / Z axis for machining stability.

Travel distance (X / Y / Z)

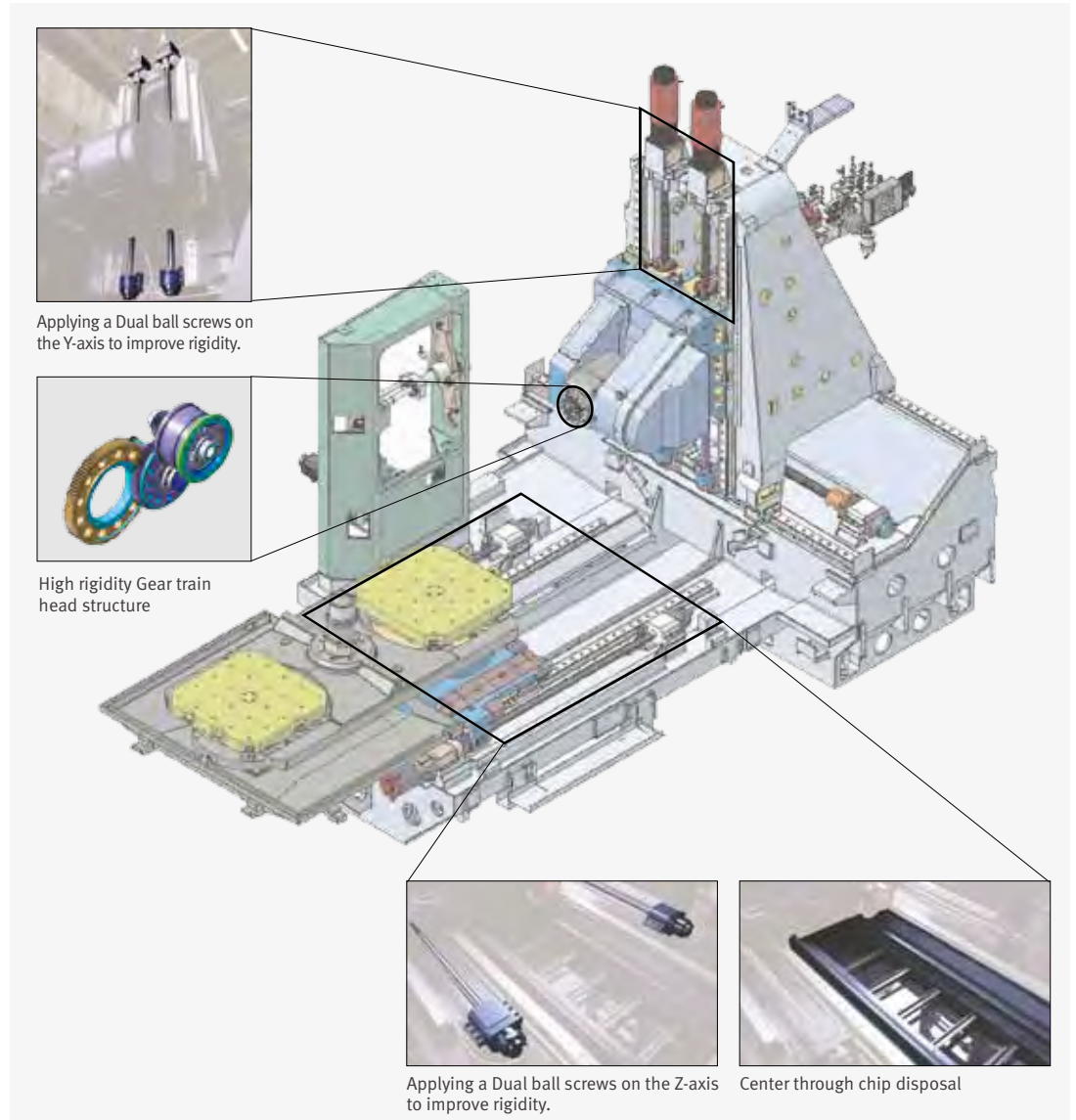
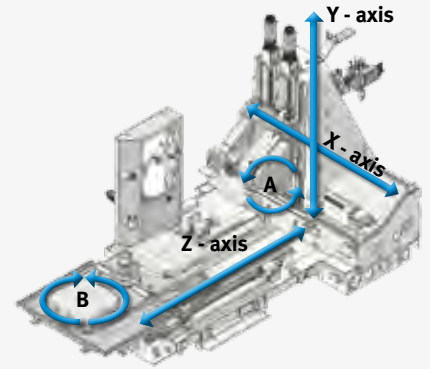
1450/1200/1500mm

(57.1 / 47.2 / 59.1 inch)

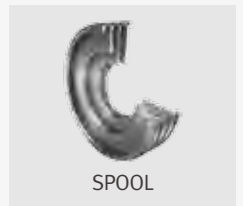
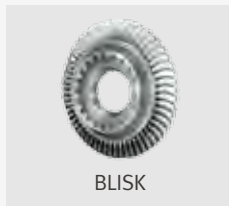
Feedrate (X / Y / Z)

40/40/50m/min

(1574.8 / 1574.8 / 1968.5 ipm)



Main Products



Spindle

Providing great cutting performance with 2-step geared & Built-in spindles specially in Aluminum part & difficult to cut part.

Max. spindle speed

FANUC

6000 r/min

15000 r/min option (HSK only)

Siemens

15000 r/min option (HSK only)

Max. spindle motor power

FANUC

35 kW (29.5 Hp)

51 kW option (68.4 Hp)

Siemens

86 kW option (115.3 Hp)

Max. spindle motor torque

FANUC

960 N·m (708.5 ft·lb)

147 N·m option (108.5 ft·lb)

Siemens

223 N·m option (164.6 ft·lb)

Tilting Angle

-100 ~ 60 deg

Tool shank

ISO #50



Machining area

Maximizing working area with 800 pallet size

Pallet Size

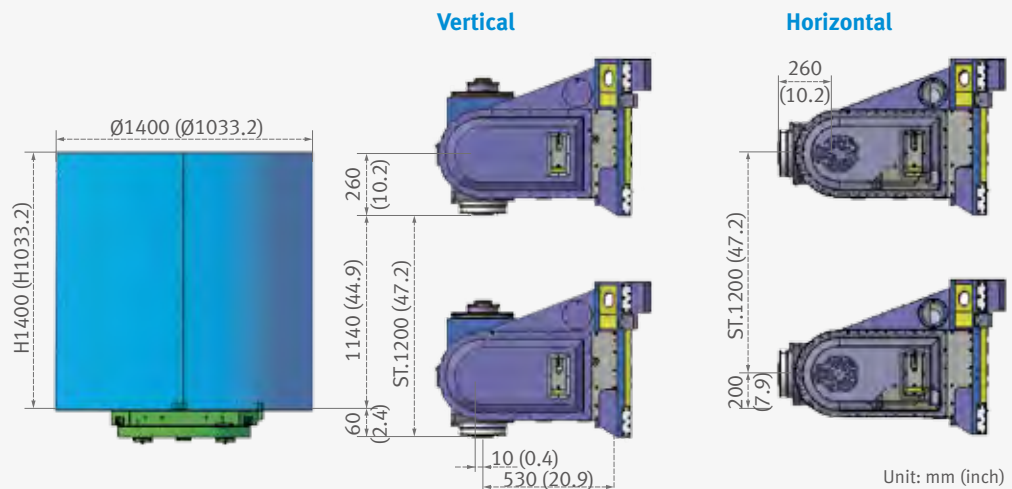
800 x 800 mm (590.4 x 590.4 inch)

Max. Work weight

2000 kg (4409.2 lb)

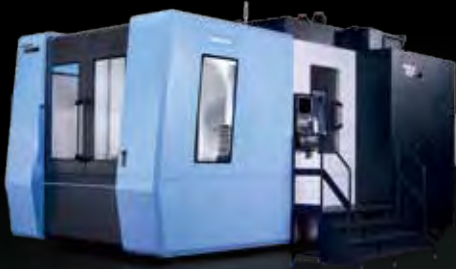
Max. Work size

Ø1400 x H1400 mm (Ø1033.2 x H1033.2 inch)



Major Specifications

DHF 8000



| Description | Unit | DHF8000 |
|-----------------------------|-------------|---|
| Max. Spindle speed | r/min | 6000 {15000, 15000}*} |
| Max. Spindle Power | kW (Hp) | 35 {86, 51} (46.9 {115.3, 68.4})*} |
| Max. Spindle Torque | N·m (ft·lb) | 960 {223, 147}*} |
| Taper | - | ISO #50 |
| Travel distance (X / Y / Z) | m/min (ipm) | 1450 / 1200 / 1500 (57.1 / 47.2 / 59.1) |
| A-axis tilting angle | deg | -100 ~ 60 |
| Pallet Size | mm (inch) | 800 x 800 (590.4 x 590.4) |
| Max. work size | mm (inch) | Ø1400 x H1400 (Ø1033.2 x H1033.2) |
| Max. work weight | kg (lb) | 2000 (4409.2) |
| Tool storage capacity | ea | 60 {90, 120, 150, 196 ~ 376}*} |
| NC system | - | FANUC 31i-5 {SIEMENS 840D}*} |

*{ } : Option



Doosan Machine Tools

<http://www.doosanmachinetools.com>

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Optimal Solutions for the Future

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