

**DOOSAN**



# T 4000HP

High Productivity Tapping Center

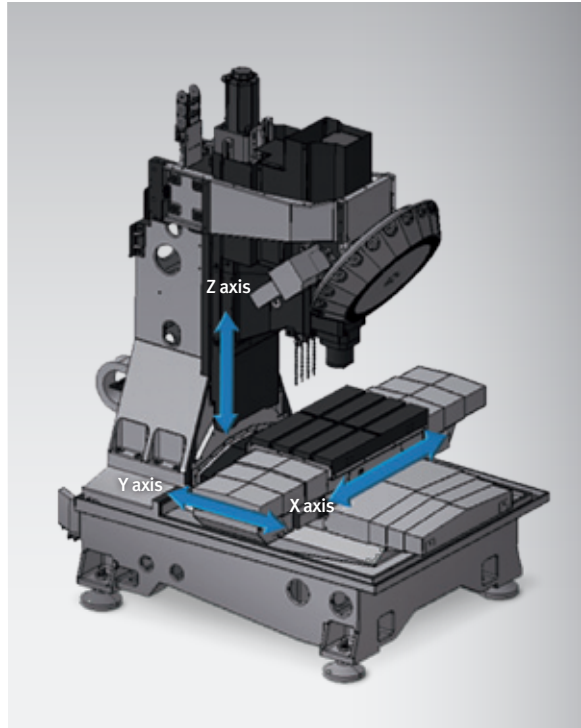


**MACHINE  
GREATNESS™**



### Basic structure

Designed as a highly rigid structure, the T 4000HP offers a stable performance.



#### Travel distance

**X axis** **520 mm**  
(20.5 inch)

**Y axis** **400 mm**  
(15.7 inch)

**Z axis** **350 mm**  
(13.8 inch)



### Axis system

Higher productivity is achieved by acceleration / deceleration performance for axis system.

#### Rapid traverse rate

**X axis**  
**50 m/min**  
(1968.5 ipm)

**Y axis**  
**50 m/min**  
(1968.5 ipm)

**Z axis**  
**56 m/min**  
(2204.7 ipm)



Roller-type LM Guides are provided as a standard feature

#### Grease lubrication system

The standard grease lubrication system eliminates the need for an oil skimmer and reduces lubrication costs by about 60% compared to oil lubrication.

#### Yearly maintenance cost

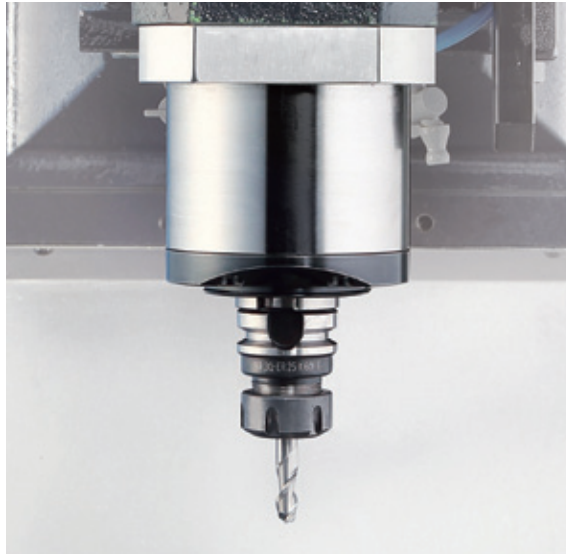
Max. **60% ↓**



Grease lubrication for all axes is a standard feature

## Spindle

Higher productivity is achieved by acceleration / deceleration performance to spindle compared to conventional



Dual contact tool system support as standard

Max. spindle speed

**12000 r/min**

Max. spindle motor power

**37.9 kW (50.8 Hp)**

Max. spindle motor torque

**45.1 N·m (33.3 ft-lbs)**

## Auto tool change system (ATC)

Tool change time has been optimized to reduce non cutting time. The highly-reliable tool magazine can accommodate up to 21 tools as standard.



Tool storage capacity

**21 ea**

Tool-to-Tool

**1.3 sec**

Chip-to-Chip\*

**1.8 sec**

\* The Chip-to-Chip time has been tested in accordance with Doosan's strict testing conditions, but may vary depending on the user's operating conditions

## DOOSAN D300

Developed by Doosan Machine Tools, The D300 eliminates wasted time to maximize machine performance and increase productivity.



CNC system

**D300**

Screen

**12.1" color LCD**

## Major Specifications

### T 4000HP



Description			Unit	T 4000HP
Travels	Travel distance	X / Y / Z axis	mm (inch)	520 / 400 / 350 (20.5 / 15.7 / 13.8)
	Rapid traverse rate	X / Y / Z axis	m/min	50 / 50 / 56 (1968.5 / 1968.5 / 2204.7)
Table	Table size		mm (inch)	650 x 400 (25.6 x 15.7)
Spindle	Max. spindle speed		r/min	12000
	Max. Spindle power		kW (Hp)	37.9 (50.8)
	Max. spindle torque		N·m (ft·lbs)	45.1 (33.3)
Automatic Tool Changer	Tool taper		-	ISO #30
	Tool storage capa.		ea	21
Machine Dimensions	Length		mm (inch)	2682 (105.6)
	Width		mm (inch)	1620 (63.8)
	Height		mm (inch)	2380 (93.7)

## Doosan Machine Tools

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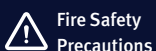
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\* For more details, please contact Doosan Machine Tools.

\* 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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