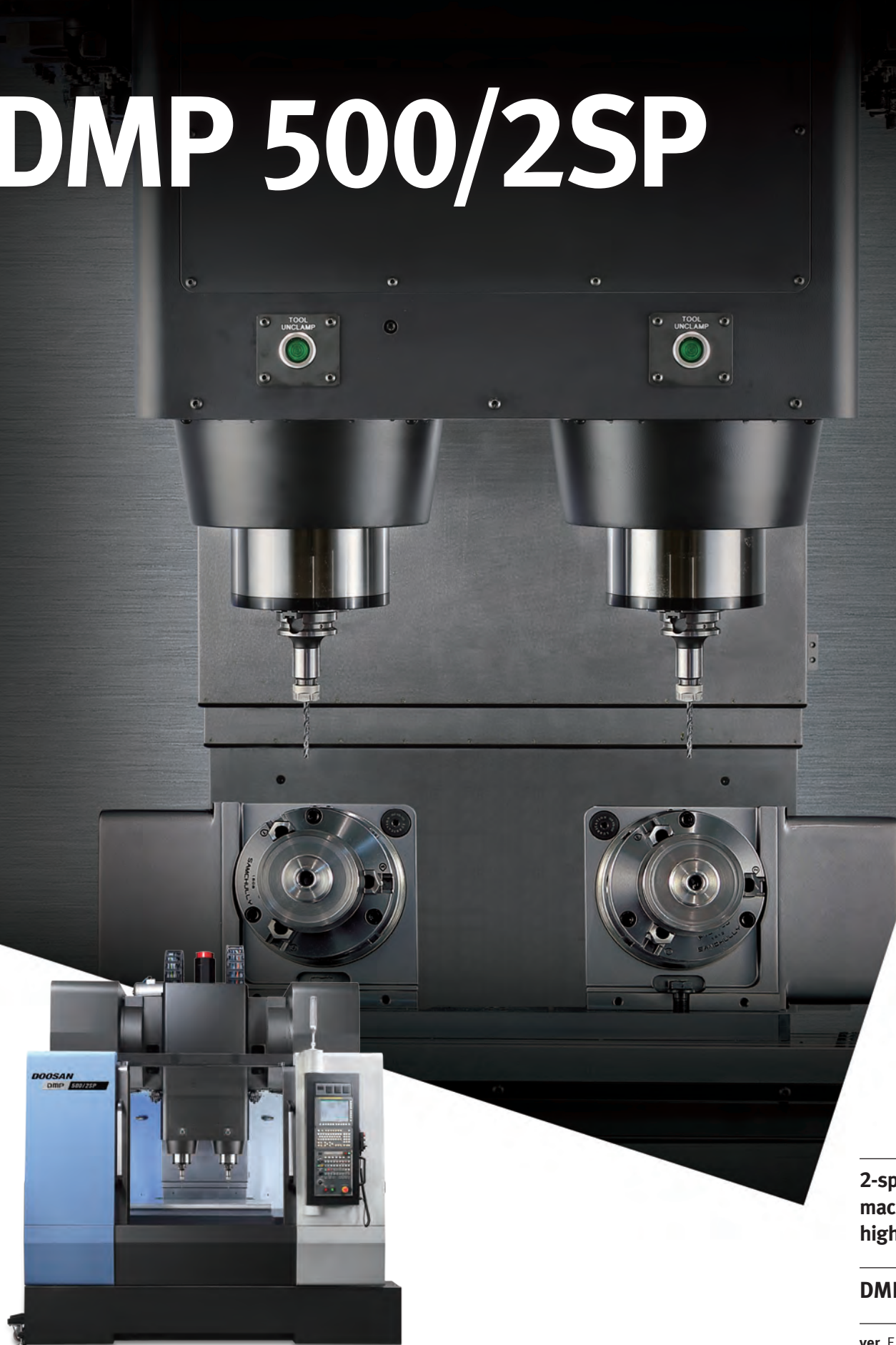




*Optimal Solutions for the Future*

# DMP 500/2SP



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**2-spindle vertical  
machining center for  
high productivity**

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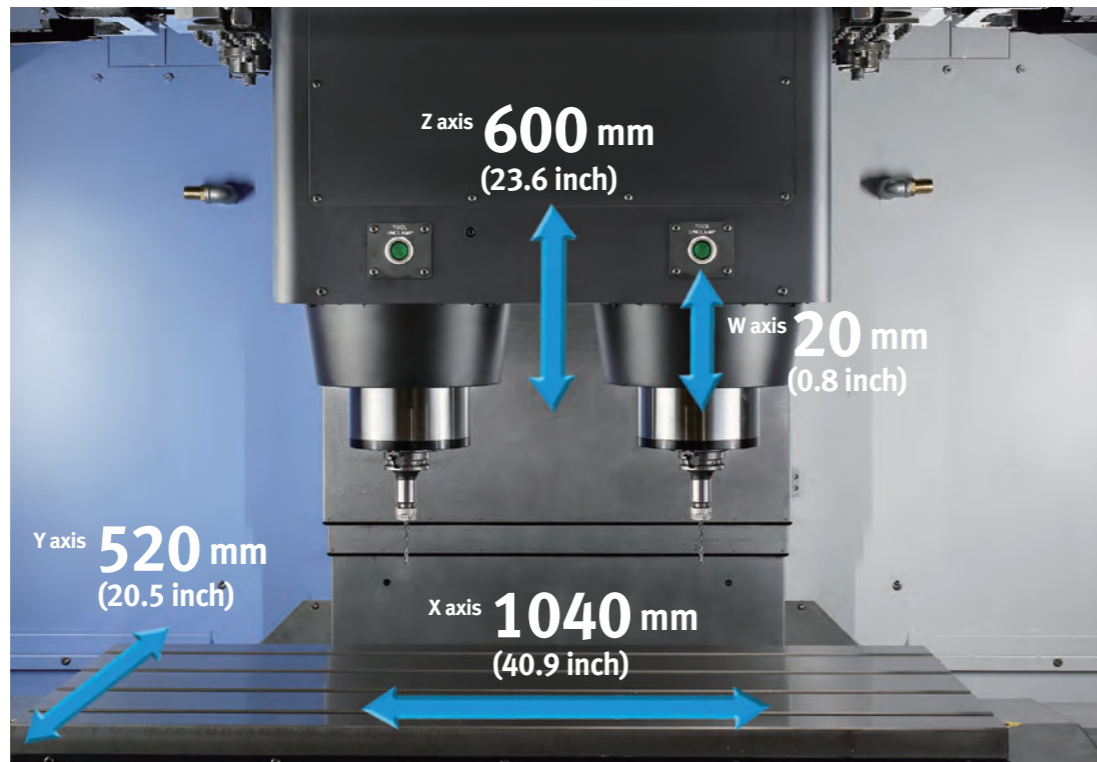
**DMP 500/2SP**

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ver. EN 170105 SU

### Basic structure

Designed as a highly stable, rigid structure, the DMP 500/2SP is suitable for mass production in small variety items. In addition, W-axis has been adopted as a standard feature to adjust tool length both spindles easily.



### Spindle

Direct-coupled type spindles have been adopted as a standard feature to further reduce vibration and noise while enhancing productivity, work environment and machining accuracy.



Max. spindle speed  
**12000 r/min**

Max. spindle power (15 min/cont.)  
**18.5/11 kW**  
(24.8 / 14.8 Hp)

Max. spindle torque  
**118 N·m (86.9 lbf·ft)**

The distance between spindles  
**400 mm (15.7 inch)**

\* Please contact us for further details of different distance between spindles.

### Axis system

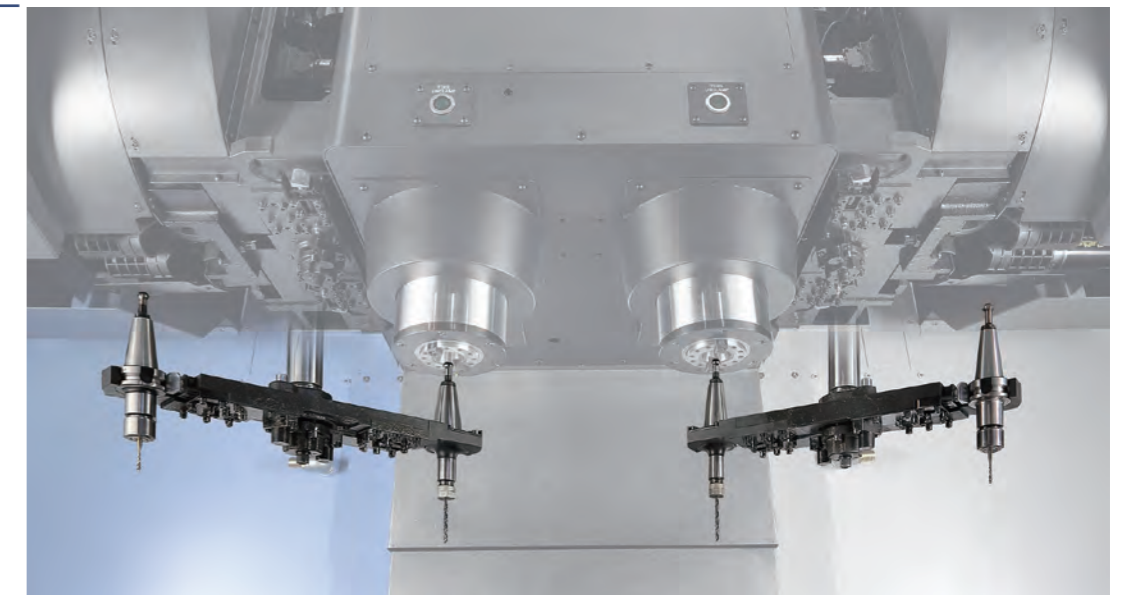
Roller-type LM Guides are provided as a standard feature to enhance the rigidity.



Rapid traverse rate  
**X axis 40 m/min**  
(1574.8 ipm)  
**Y axis 40 m/min**  
(1574.8 ipm)  
**Z axis 36 m/min**  
(1417.3 ipm)

### Tool change system

For productivity, 2 tool change systems are adopted as a standard feature. The highly-reliable tool magazine can accommodate up to 40 tools as an option.



Tool to Tool time  
**1.7 s**

Tool storage capacity  
**2-24 ea**  
**2-30 ea** option  
**2-40 ea** option

Max. tool diameter (cont.)  
**Ø 90 mm (Ø 3.5 inch)**

Max. tool length  
**300 mm (11.8 inch)**

Max. tool weight  
**8 kg (17.6 lb)**

### Table

Optimized table size and load capacity are included to install various fixtures in its class.

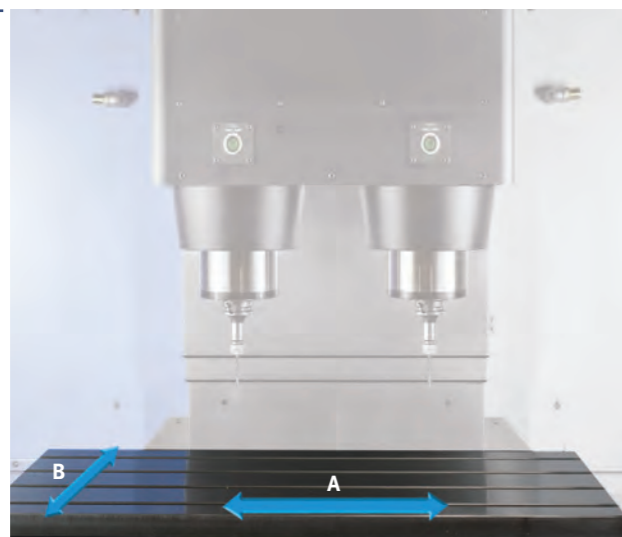


Table loading capacity  
**800 kg (1763.7 lb)**  
  
Table size (A x B)  
**1200 x 520 mm**  
(47.2 x 20.5 inch)

## Major specifications

### DMP 500/2SP



Description	Unit	DMP 500/2SP
Max. spindle speed	r/min	12000
Max. spindle power (15 min. / cont.)	kW (Hp)	18.5(24.8) / 11(14.8)
Max. spindle torque	N·m (lbf·ft)	118 (86.9)
Tool taper	-	ISO #40
Travel distance (X / Y / Z / W)	mm (inch)	1040 / 520 / 600 / 20 (40.9 / 20.5 / 23.6 / 0.8)
Tool storage capa.	ea	2-24 {2-30, 2-40}
Table size	mm (inch)	1200 x 520 (47.2 x 20.5)
Machine dimensions (Width x Length x Height)	mm (inch)	2760 x 2400 x 3510 (108.7 x 94.5 x 138.2)
Machine weight	kg (lb)	8500 (18739.3)
NC system	-	DOOSAN FANUC i

{ } Option



## Doosan Machine Tools

<http://www.doosanmachinetools.com>

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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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