

DOOSAN



DVF 5000

Compact, Simultaneous
5-Axis Machine for
High-Speed Multitasking



**MACHINE
GREATNESS™**

Basic Structure

Provides high rigidity and stable structure by direct axis connection.

Travel distance

X-axis 625 mm
(24.6 inch)

Y-axis 450 mm
(17.7 inch)

Z-axis 400 mm
(15.7 inch)

Rapid traverse

X-axis 40 m/min
(1574.8 ipm)

Y-axis 40 m/min
(1574.8 ipm)

Z-axis 40 m/min
(1574.8 ipm)



Spindle

We provide stable machining performance with high speed direct and built-in spindle.

HEIDENHAIN

Max. Spindle speed

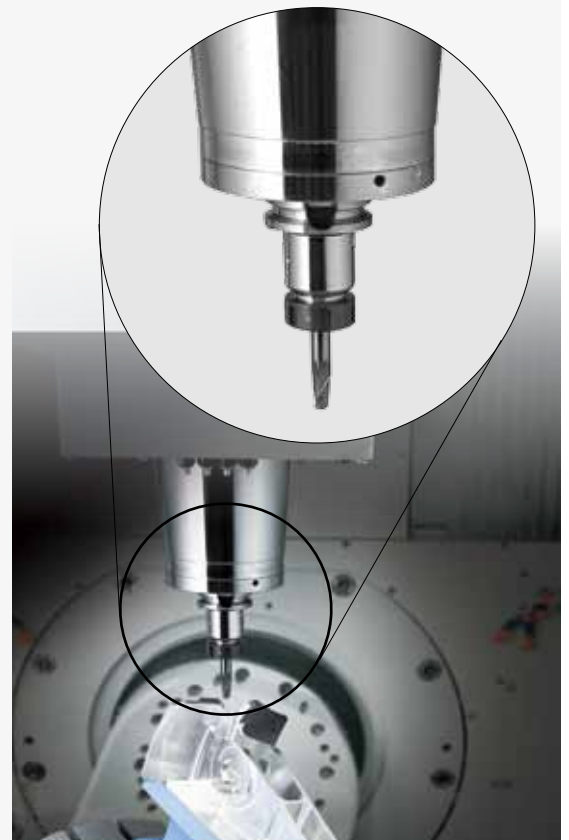
12000 r/min /
18000 r/min option

Main Spindle motor power

17 / 32 kW
(22.8 / 42.9 Hp)

Max. Spindle torque

109 / 127 N·m
(80.4 / 93.7 lbf-ft)





Magazine

Servo magazine as standard for high productivity and accuracy.

Servo magazine

30 ea
(40/60/90/120 ea) option

Tool to Tool

1.3 sec



Table

Provides stable machining performance with wide machining area and support option.

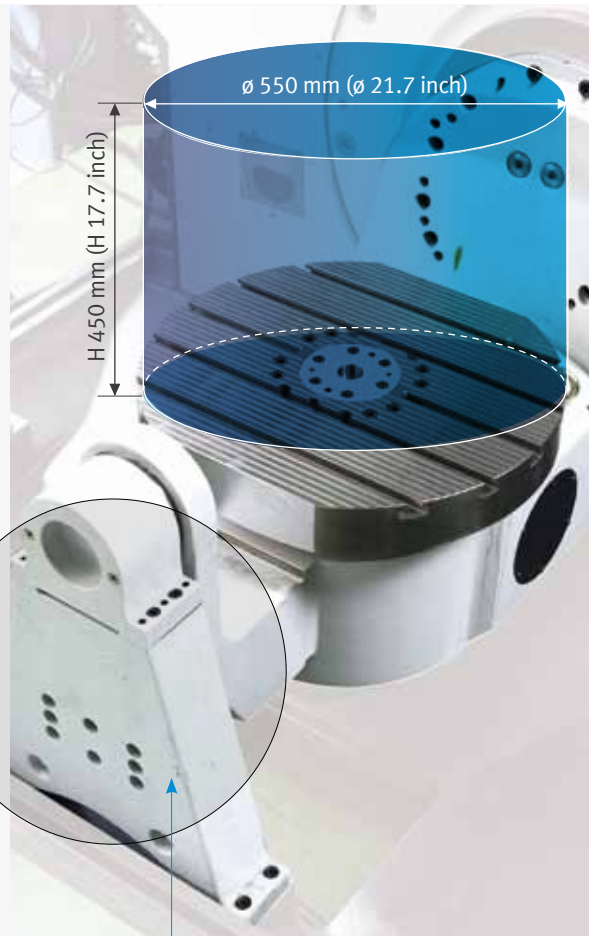
Table size

Ø 500 mm
(Ø 19.7 inch)

Ø 630 mm option
(Ø 24.8 inch)

Max. Work load

400 kg
(881.8 lb)
(with support)



Support option

Major Specifications

DVF 5000



Description		Unit	DVF 5000	
Travel	Travel distance	X-axis	mm (inch)	625 (24.6)
		Y-axis	mm (inch)	450 (17.7)
		Z-axis	mm (inch)	400 (15.7)
		B-axis	deg	-30~ +110
		C-axis	deg	360
Feedrate	Rapid traverse	X-axis	m/min (ipm)	40 (1574.8)
		Y-axis	m/min (ipm)	40 (1574.8)
		Z-axis	m/min (ipm)	40 (1574.8)
		B-axis	r/min	20
		C-axis	r/min	20
Spindle	Max. Spindle speed		r/min	12000 {18000}*
	Main spindle power		kW (Hp)	Fanuc : 18.5 {22}* (24.8 {29.5}) H/H : 17 {32}* (22.8 {42.9})
	Max. Spindle Torque		N·m (lbf·ft)	Fanuc : 118 {118}* (87.1 {87.1}) H/H : 109 {127}* (80.4 {93.7})
	Tool shank		-	ISO #40
Table	Table size		mm (inch)	Ø500 x 400 {Ø630 x 450}* (Ø19.7 x 15.7 {Ø24.8 x 17.7})
	Max. Work size		mm (inch)	Ø550 (Ø21.7)
	Max. Work load		kg (lb)	400 (881.8)
ATC	Tool capacity		ea	30 {40, 60, 90, 120}*
Machine Dimensions	Length x Width		mm (inch)	2700 x 2195 (106.3 x 86.4)

{(): Option

Doosan Machine Tools

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www.youtube.com/c/DoosanMachineToolsCorporation

Head Office

22F T Tower, 30, Sowol-ro 2-gil, Jung-gu,
Seoul, Korea, 04637

Tel +82-2-6972-0333~6

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 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

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.

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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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