



FULL 5-AXIS, Y 1.1M, Φ 1050MM ROTARY TABLE

VCF

1100LSR



Doosan Machine Tools

BASIC STRUCTURE

Table-fixed column moving structure, suitable for 5-axis complex processing of medium and large parts.

Travel distance

X axis **4000** mm (157.5 inch)

Y axis **1100** mm (43.3 inch)

Z axis **1200** mm (47.2 inch)

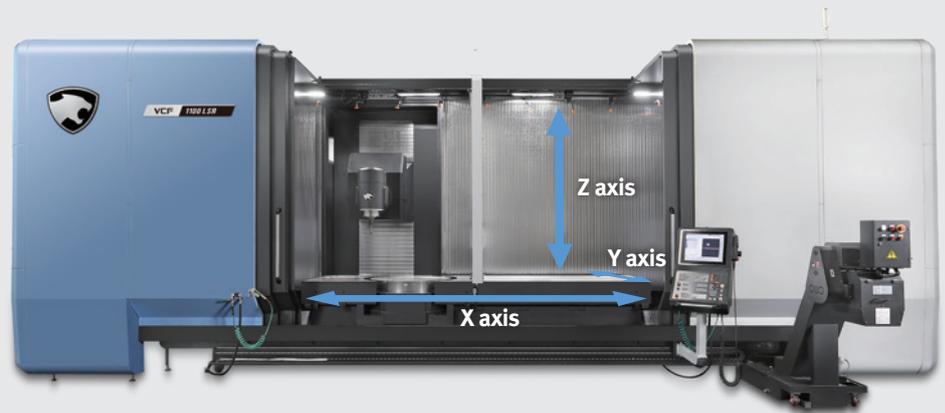
Rapid traverse rate

X axis **40** m/min (1574.8 ipm)

Y axis **40** m/min (1574.8 ipm)

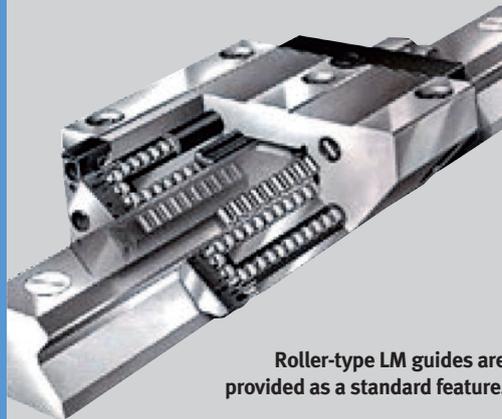
Z axis **36** m/min (1417.3 ipm)

Z axis is supported by dual ball screw for more stable support.



Axis system

Table-fixed column moving structure, suitable for 5-axis complex processing of medium and large parts.



Linear scale

Applied the linear scale feedback system as a standard on X axis, accuracy of the machine can be further improved since the X axis can be controlled to correct positions.



Diameter

1050 mm (41.3 inch)

Load capacity

2000 kg (4409.2 lb)

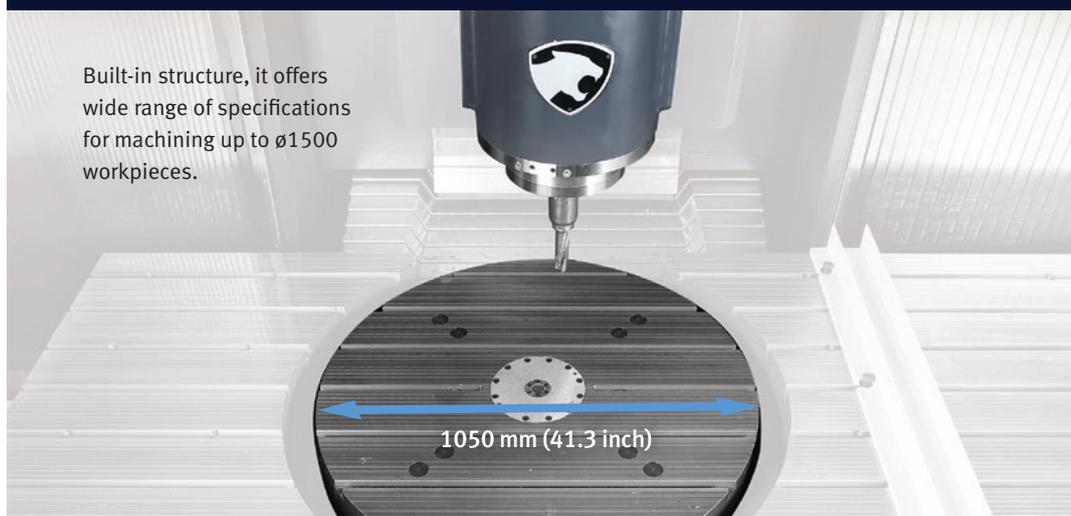
Rapid

20 r/min

ROTARY TABLE

For items requiring side processing and etc. Built-in rotary table is applied to enable various complex shape precision processing.

Built-in structure, it offers wide range of specifications for machining up to $\phi 1500$ workpieces.



SPINDLE

Built-in spindle is applied to secure the rigidity and precision of the spindle.

Max. speed

10000 r/min

Spindle tool taper

ISO #50

Spindle tool taper

37/25 kW (49.6/33.5 Hp)

Max. torque

302 N.m (222.9 ft-lbs)

Swivel head

Roller Gear Cam structure for rotary table to secure high rigidity and precision

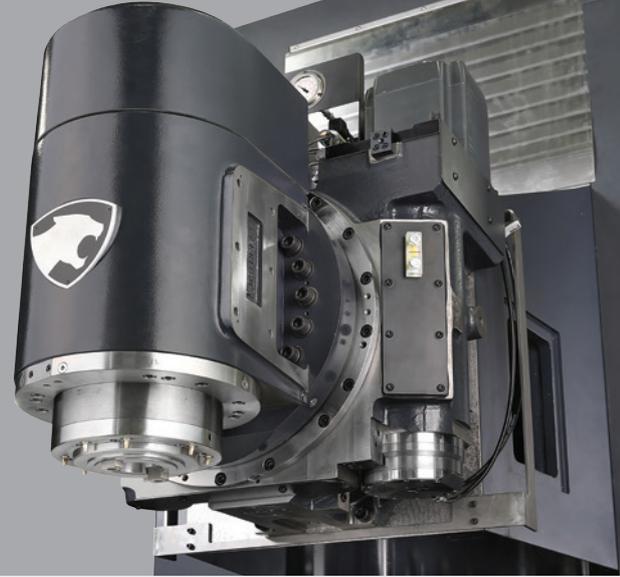
Automatic Tool Changer (ATC)

It is applied in a structure that does not affect the machining quality even during the operation of the magazine.

Tool storage capacity

60 ea

120 ea (60+60) option

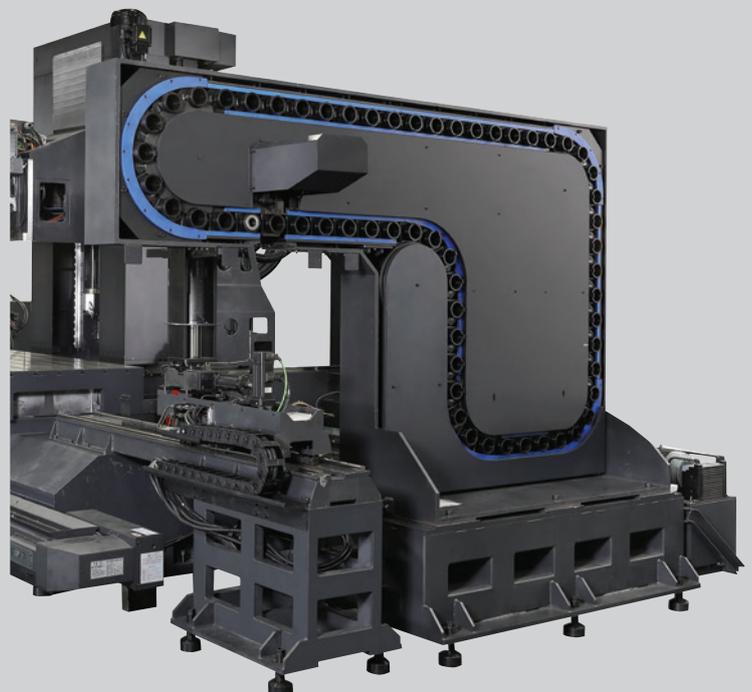


240° rotatable B axis

The 240° rotatable spindle is useful for milling of inclined surfaces.



Type	Axis	Speed (r/min)	Travel (deg)	Rotary encoder
Roller gear Cam (RGC)	B-axis	30	240 (+120, -120)	Standard





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