



FULL 5-AXIS, Y 1.1M,  $\Phi$ 1050MM ROTARY TABLE

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# 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)

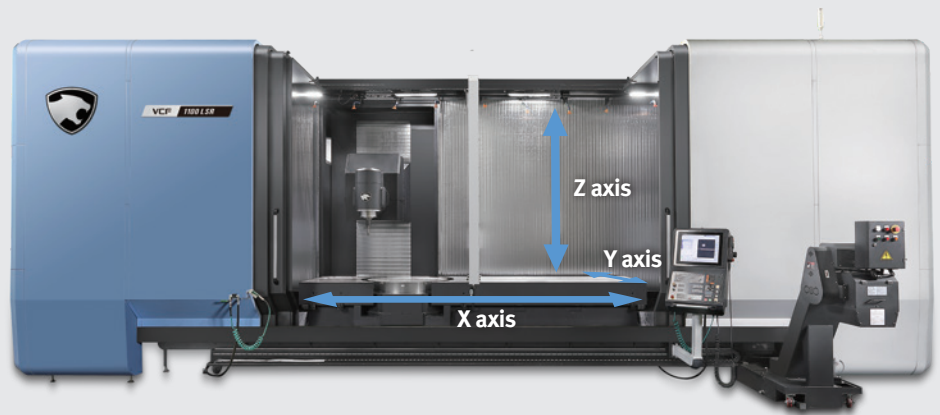
## Rapid traverse rate

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

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

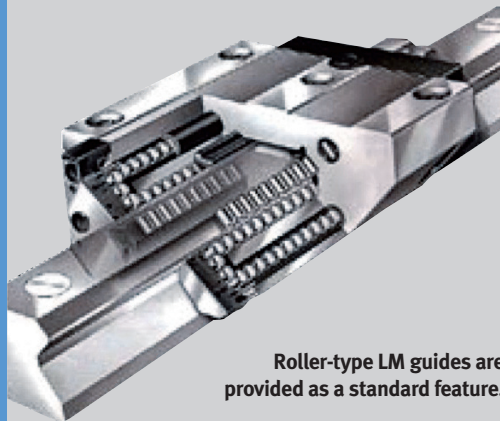
Z axis **36** m/min (1417.3 ipm)

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.



Roller-type LM guides are provided as a standard feature.

## 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.



# ROTARY TABLE

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

## Diameter

**1050** mm (41.3 inch)

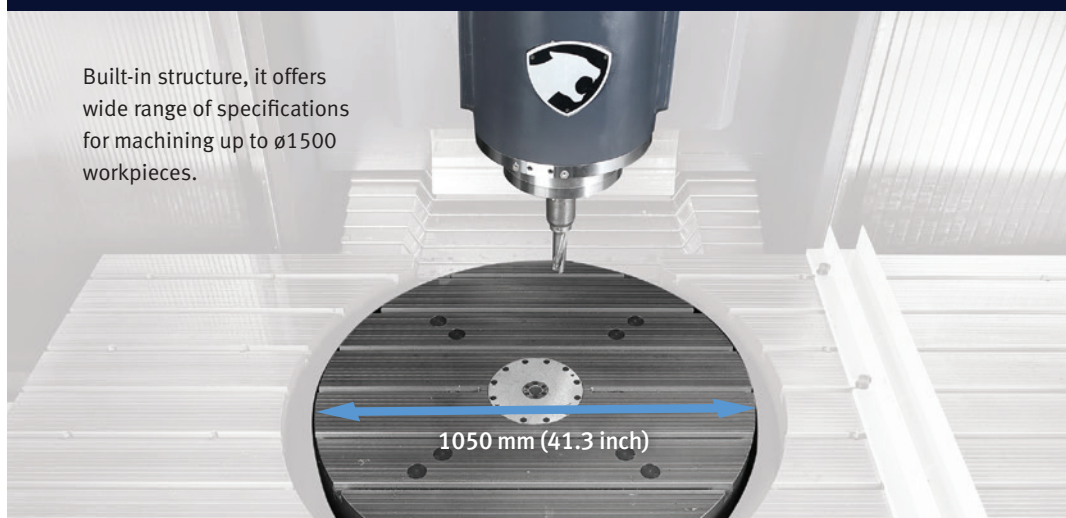
## Load capacity

**2000** kg (4409.2 lb)

## Rapid

**20** r/min

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

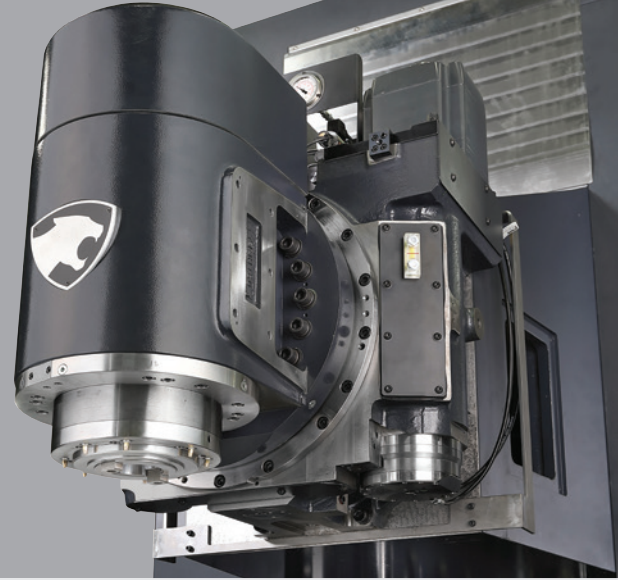
## Automatic Tool Changer (ATC)

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

## Tool storage capacity

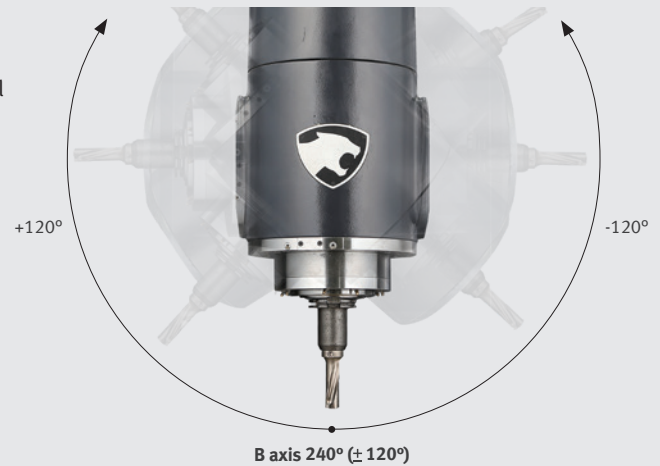
**60** ea

**120** ea (60+60) option

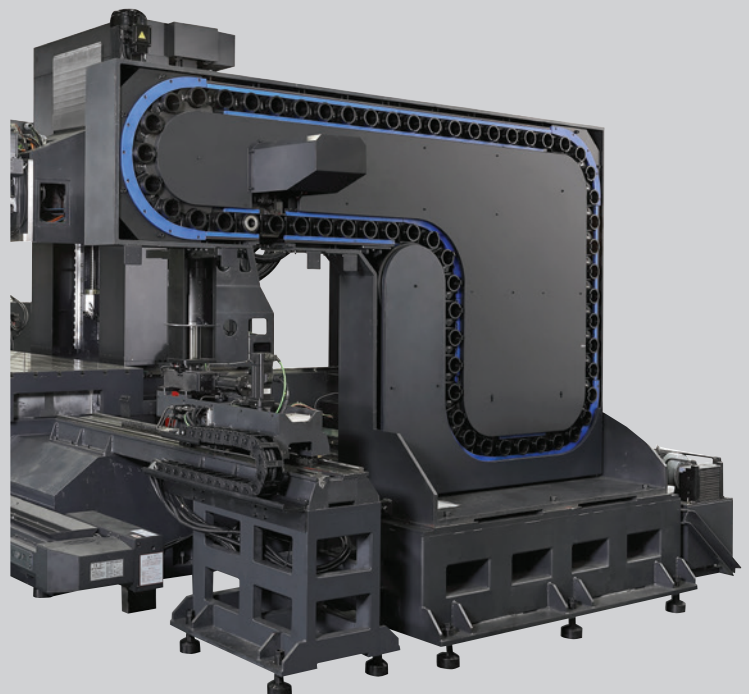


## 240° rotatable B axis

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





### **Head Office**

22F T Tower, 30, Sowol-ro 2-gil  
Jung-gu, Seoul, Korea, 04637  
Tel: +82-2-6972-0370/0350  
Fax: +82-2-6972-0400

### **Doosan Machine Tools America**

19A Chapin Road, Pine Brook  
New Jersey 07058, United States  
Tel: +1-973-618-2500  
Fax: +1-973-618-2501

### **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**

No.82, Jakkuar Village  
Yelahanka Hobli, Bangalore-560064  
Tel: + 91-80-2205-6900  
E-mail: [india@doosanmt.com](mailto:india@doosanmt.com)

### **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

### **Sales inquiry**

[sales@doosanmt.com](mailto:sales@doosanmt.com)

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

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