

SJE 08 LM/XL

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DESIGNERS

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Group Company

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HORIZONTAL TURNING CENTER

Machine Features

- Powerful AC Spindle motor
- Step Up Z-axis Structure
- High speed 3500 rpm spindle
- Thermally stabilised spindle
- Pre-tensioned ball screw support
- Heavy duty bi-directional hydraulic turret (8 station)
- 0.45 sec. station-to-station Turret Indexing time
- 100% ball bar tested
- Separate coolant tank for easy maintenance

LM - Linear motion guideways

XL - Hardened & ground box guideways

Standard Accessories

- AC spindle motor & axes drives
- Precision guideways on both axes
- Tailstock with live center
- Automatic centralized oil lubrication
- Hydraulic power operated chuck (Ø200 mm)
- AC unit for electricals
- Programmable quill
- 3 tier lamp
- Rigid tapping
- Drain line oil cooler
- Basic hydraulic system
- OD tool holder clamping block (8 nos)
- Boring bar holder (4 nos)
- Facing tool holder (2 nos)
- Set of sleeves

Optional Accessories

- Hydraulic power operated Chuck (Ø250 mm)
- Voltage stabilizer - 25 kVA
- Chip conveyor rear/side mount
- TPM - Trak productivity monitoring system
- Tailstock with built-in revolving center
- Auto door
- 12 station turret
- High pressure coolant system
- MachineConnect™ software

THINK Turning®
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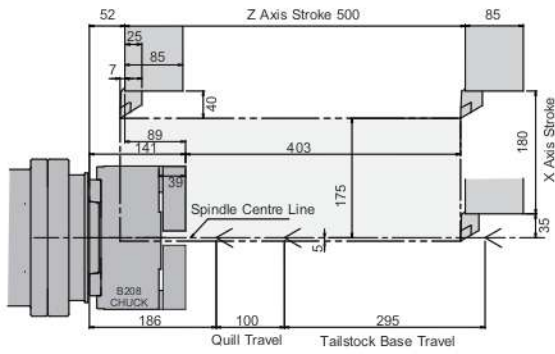
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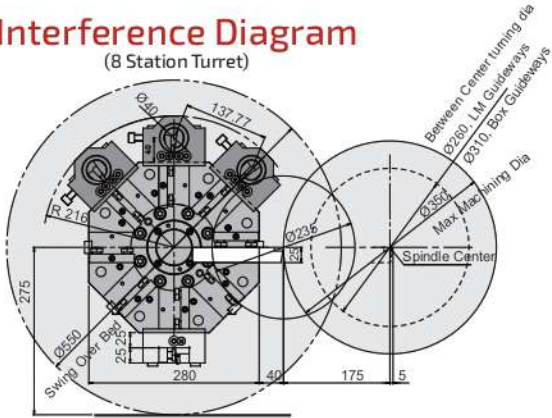
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Machining Range Diagram



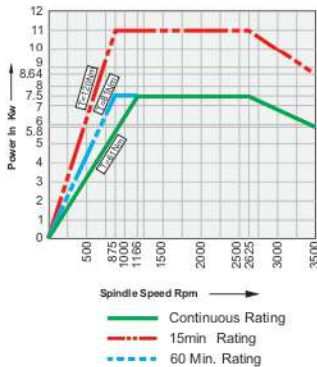
Interference Diagram

(8 Station Turret)

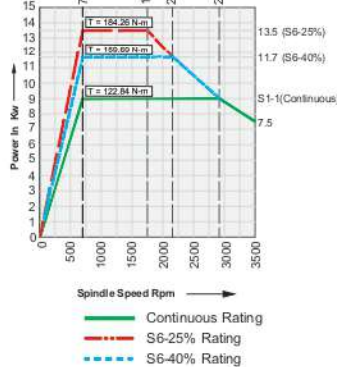


Power Torque Diagram

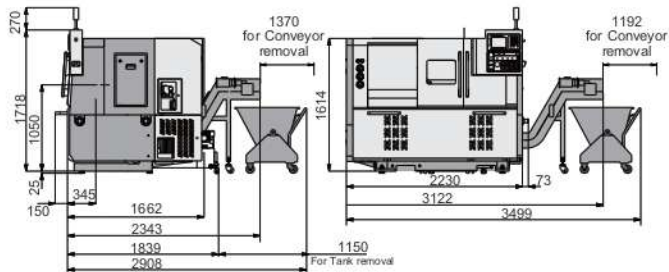
Fanuc



Siemens



Overall Views



Manufactured by:

Ace Designers Ltd.

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INTERNATIONAL

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Specifications

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Control System	Fanuc / Siemens
Capacity	
Swing Over Bed	550 mm
Distance Between Centers ¹	464 mm
Maximum Turning Dia ²	350 mm
Between Center Turning Dia	260/310
Maximum Turning Length ¹	500 mm
Max. turning length from chuck jaw face	400 mm*
Spindle	
Spindle Nose	A2-6
Bore Through Spindle	63 mm
Front Bearing Bore	100 mm
Maximum Bar Capacity ³	51 mm
Maximum Spindle speed ³	3500 rpm
Spindle Motor Power - Fanuc (Continuous / 15 min. Rating)	7.5/ 11 kW
Spindle Motor Power-Siemens (Continuous / S6-40%/S6-25% Rating)	9 / 11.7 / 13.5 kW
Full Power Range	Fanuc 1166 - 2625 rpm Siemens 700 - 2917 rpm
Standard Chuck Size	Ø200 mm
Axes	
Type of Guideways	Liner motion / HGBT
X-Axis Stroke	180 mm
Z-Axis Stroke	500 mm
X & Z Axes Rapid Rate	30 / 20 m/min
Tooling	
Number of Tools Maximum	8 (12)
Boring Bar Dia Maximum	40 (32)mm
OD Turning Tool Size	25 x 25 (20x20) mm
Tailstock	
Tailstock Base Travel	295 mm
Tailstock Quill Travel	100 mm
Tailstock Quill Dia.	80 mm
Quill Taper	MT-4
Hydraulic System	
Hydraulic Pump Capacity	14 lpm
Hydraulic Power Pack Tank Capacity	45 litre
System Pressure	30 Kg/cm ²
Coolant Tank Capacity	150 litre
Overall Machine Dimensions (L x W x H)	2230 x 1950 x 1740 mm
Overall Weight (Without Packing)	~ 3500 kg

1 Refer machining range diagram,

2 Refer Interference diagram

3 With appropriate work holding,

() Values mentioned in bracket are optional,

HGBT - Hardened Ground Box Type

* - Considering Standard chuck size

Note:

Specification are correct at the time of print. Owing to continuous up-gradation of our products, the specification may change and to be reconfirmed at the time of ordering.

