

# J 300 LM



**AceMicromatic**  
Group Company

**Jobber  
Elite**



## HORIZONTAL TURNING CENTER

### Machine Features

- Powerful AC Spindle motor
- High speed 4000 rpm spindle
- Thermally stabilised spindle
- Linear motion guide ways
- 30 m/min rapid traverse rate
- Pre-tension ball screw support
- 0.45 sec. turret Index time
- 100% ball bar tested
- LASER calibrated axes
- Separate coolant tank-easy maintenance
- Powered by MachineConnect™

### Standard Accessories

- AC spindle & axes drives
- Precision LM guideways on both axes
- Heavy duty bi-directional turret (8 station)
- Tailstock with live center
- Automatic centralized oil lubrication
- Hydraulic power operated chuck (Ø165 mm)
- AC unit for electricals
- MachineConnect™
- 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 (Ø200 mm)
- Voltage stabilizer - 15 kVA
- Chip conveyor rear
- TPM - Trak productivity monitoring system
- LASER calibrated axes
- 12 station turret
- High pressure coolant system

**THINK** Turning®  
Ace Designers

THE LARGEST MACHINE TOOL GROUP IN INDIA

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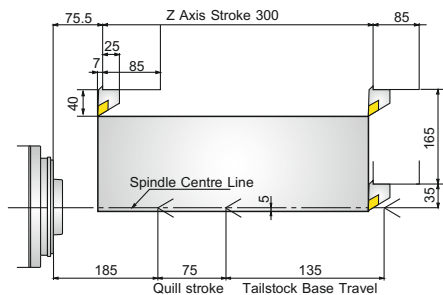


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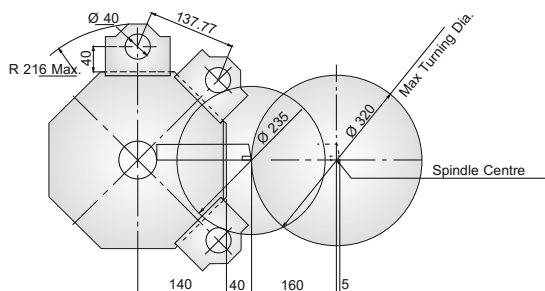
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## Machining Range Diagram



## Interference Diagram

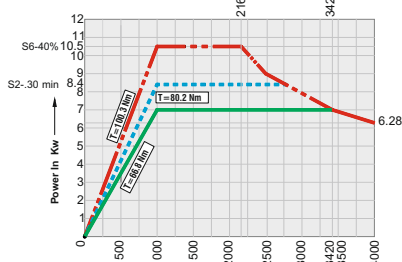
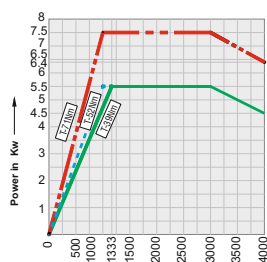
(8 Station Turret)



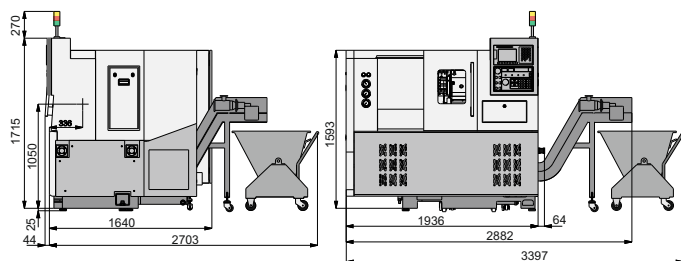
## Power Torque Diagram

FANUC

SIEMENS



## Overall Views



All dimensions are in mm

## Specifications

J 300 LM

Control System	Fanuc/Siemens
Smart Feature	MachineConnect™
<b>Capacity</b>	
Swing Over Bed	500 mm
Swing Over Carriage	225 mm
Maximum Turning Dia <sup>2</sup>	320 mm
Distance Between Centers <sup>1</sup>	312 mm
Maximum Turning Length <sup>1</sup>	300 mm
<b>Spindle</b>	
Spindle Nose	A2-5
Bore Through Spindle	52.5 mm
Front Bearing Bore	80 mm
Maximum Bar Capacity <sup>3</sup>	42 mm
Maximum Spindle speed <sup>3</sup>	4000 rpm
Spindle Motor Power-Fanuc (Continuous / 15 min. Rating)	5.5 / 7.5kW
Spindle Motor Power -Siemens (Continuous / S2-30min rating / S6-40%)	7 / 8.4/10.5 kW
Full Power Range	Fanuc 1333 - 3000 rpm Siemens 1000-4000 rpm
Standard Chuck Size	165 mm
<b>Axes</b>	
Type of Guideways	Linear motion
X-Axis Stroke	165 mm
Z-Axis Stroke	300 mm
X & Z Axes Rapid Rate	30 m/min
<b>Tooling</b>	
Number of Tools Maximum	8
Boring Bar Dia Maximum	40 mm
OD Turning Tool Size	25 x 25 mm
<b>Tailstock</b>	
Tailstock Base Travel	135 mm
Tailstock Quill Travel	75 mm
Tailstock Quill Dia.	60 mm
Quill Taper	MT-4
<b>Hydraulic System</b>	
Hydraulic Pump Capacity	14 lpm
Hydraulic Power Pack Tank Capacity	40 litre
System Pressure	30 Kg/cm <sup>2</sup>
Coolant Tank Capacity	90 litre
Overall Machine Dimensions (L x W x H)	2020 X 1640 X 1985 mm
Overall Weight (Without Packing)	~ 2500 kg

1 Refer machining range diagram, 2 Refer Interference diagram

3 With appropriate work holding, ( ) Values mentioned in bracket are optional

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.

Manufactured by:

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