

CSJ 400 XL/RG

ACE
DESIGNERS

AceMicromatic
Group Company

JOBBER COMPACT SERIES



CNC TURNING CENTER

Machine Features

- **Least frontal width in it's family**
- Step Up Z-axis structure
- FEA optimised bed design
- Powerful 11/15kW AC Spindle motor
- High speed 4000 rpm spindle
- Thermally stabilised spindle
- Best in class swing diameter
- Heavy duty bi-directional hydraulic turret (8 station)
- Large turret disc (A/F 340mm)
- 0.45 sec. turret indexing time
- 100% ball bar tested
- LASER calibrated axes
- MachineConnect™ software

Standard Accessories

- Tailstock with live center
- Automatic centralized oil lubrication
- Ø200 mm hydraulic power operated chuck
- AC unit for electrical cabinet
- Programmable quill
- 3 tier lamp
- Rigid tapping
- OD tool holder clamping block (8 nos)
- Boring bar holder (4 nos)
- Facing tool holder (2 nos)
- Set of sleeves

Optional Accessories

- Ø250 mm hydraulic power operated chuck
- Voltage stabilizer - 25 kVA
- Chip conveyor rear/side mount
- 'TPM-Trak' Productivity monitoring system
- Tailstock with built-in revolving center
- High pressure coolant system
- 12 station turret
- Auto door

RG - Linear motion (Roller Type) guideways

XL - Hardened & ground box guideways

THINK Turning®
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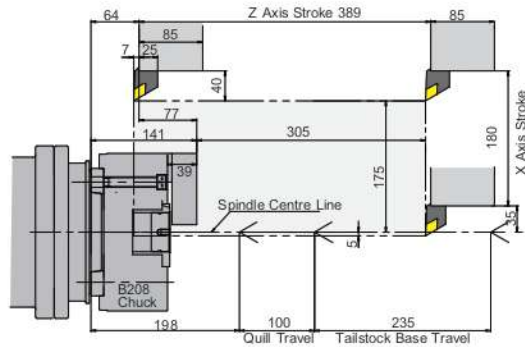
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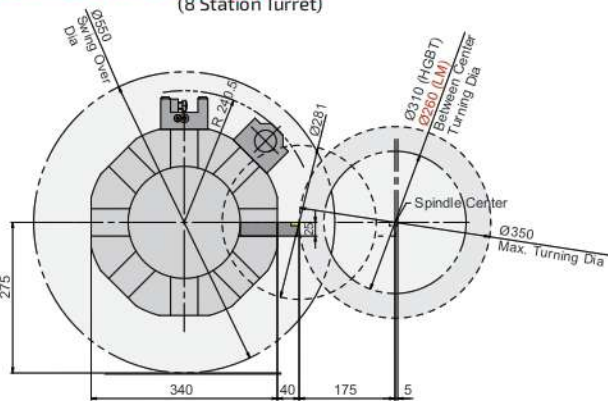
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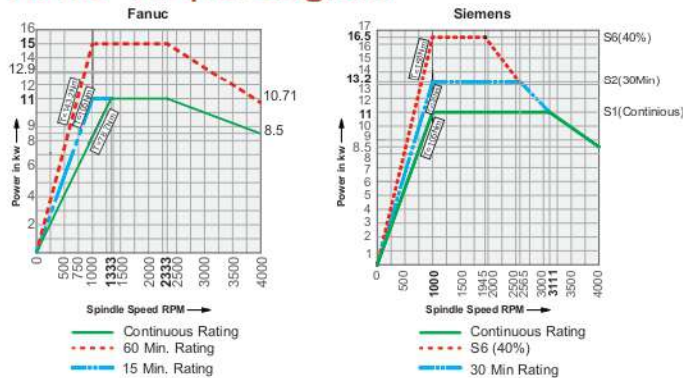
Machining Range Diagram



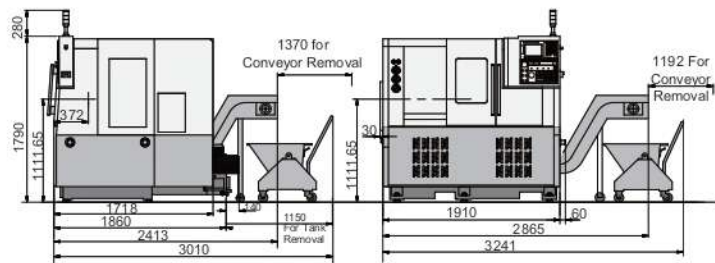
Interference Diagram (8 Station Turret)



Power Torque Diagram



Overall Views



All dimensions are in mm

Specifications

CSJ 400 XL / RG

Control System	Fanuc / Siemens
Smart Feature	MachineConnect™
Capacity	
Swing Over Bed	550 mm
Distance Between Centers ¹	415 mm
Maximum Turning Dia ²	350 mm
Between Center Turning Dia	310/260
Maximum Turning Length ¹	389 mm
Max. turning length from chuck jaw face	300 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	4000 rpm
Spindle Motor Power - Fanuc (Continuous / 15 min. Rating)	11/ 15 kW
Spindle Motor Power-Siemens (Continuous / 30min/S6-40%rating)	11/13.2/16.5kW
Full Power Range	Fanuc 1333 - 2333 rpm Siemens 1000 - 3111 rpm
Standard Chuck Size	Ø200 mm
Axes	
Type of Guideways	HGBT / LM (Roller Type)
X-Axis Stroke	180 mm
Z-Axis Stroke	389 mm
X & Z Axes Rapid Rate	20/30 m/min
Tooling	
Number of Tools Maximum	8 (12)
Boring Bar Dia Maximum	40 mm
OD Turning Tool Size	25 x 25 mm
Tailstock	
Tailstock Base Travel	235 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)	1910 x 1860 x 1790 mm
Overall Weight (Without Packing)	~ 3500kg

1 Refer machining range diagram, 2 Refer Interference diagram, 3 With appropriate workholding, HGBT - Hardened Ground Box Type, LM - Linear motion
() Values mentioned in bracket are optional, * - Considering Standard chucks 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.

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