

# 2TSL 12100

**ACE**  
DESIGNERS

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Group Company



## TWIN TURRET SHAFT CNC LATHE

### Machine Features

- A2-6 cartridge spindle
- AC spindle and axes drives
- Precision LM guide ways
- Bi-directional 6-station twin servo turret
- Servo tailstock with programmable quill
- Servo steady rest ( $\varnothing 20$ - $\varnothing 64$  mm)
- Automated centralised oil lubrication
- Fail safe brake for X axis & tailstock
- Air conditioner unit for electrical cabinet
- Drain line cooler
- Coolant tank with chip tray

### Optional Accessories

- Auto door
- Chip conveyor (Rear mounting)
- Centralised chip tray
- Bed flushing
- Air gun
- TPM-Trak productivity monitoring system
- Customised power operated work holding
- Fully tooled up solutions
- Voltage stabilizer
- Laser calibrated axes
- Door interlock
- Automated work rest

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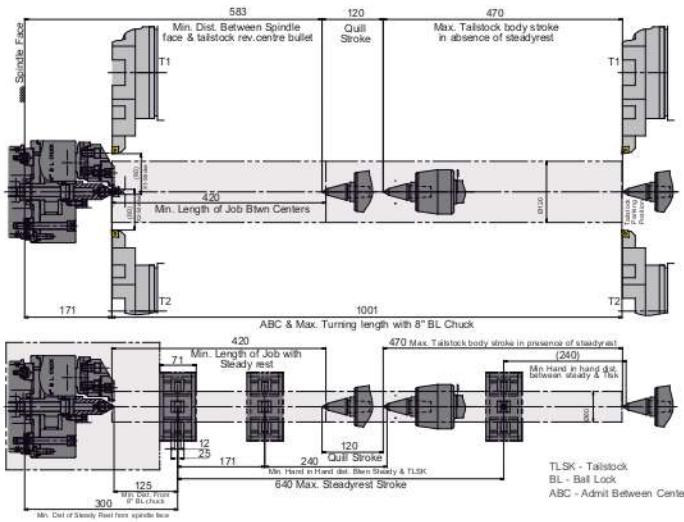


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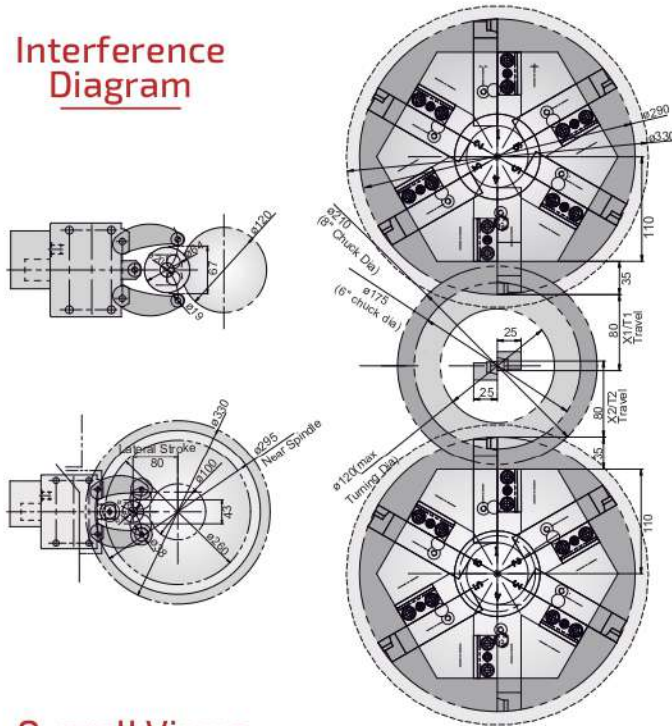


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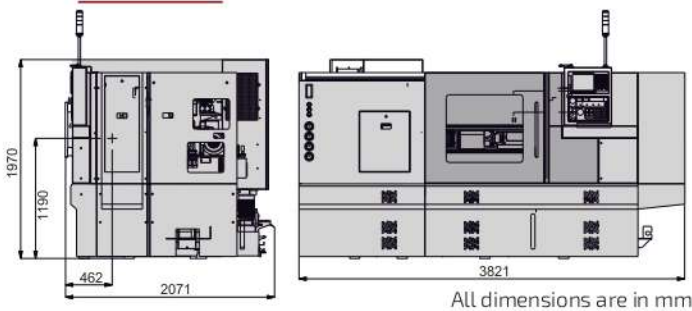
## Machining Range Diagram



## Interference Diagram



## Overall Views



All dimensions are in mm

## Power Torque Diagram



## Specifications

2TSL -12100

Control System	Fanuc
Capacity	
Swing Over Bed	285 mm
Swing Over Cross Slide	285 mm
Maximum Turning Dia.	120 mm
Standard Turning Dia.	20-60 mm
Maximum Turning Length	1000 mm
Admit Between Centre	1000 mm
Spindle Centre Height	1125 mm
Main Spindle	
Spindle Nose	A2-6
Through Spindle hole Dia	63mm
Spindle Bearing Inner Dia	100 mm
Max. Spindle Speed	3500 rpm
Spindle Motor Power (30 min. Rating)	15 kW
Spindle Motor Power (Continuous Rating)	11 kW
Standard Chuck Size	250 mm
Axes	
Type of Guideways	Linear motion
X-Axis Stroke (X1 & X2)	80 mm
Z-Axis Stroke (Z1 & Z2)	1130 mm
X & Z Axes Rapid Rate	20 & 30 m/min.
Tooling	
Turret 1 & Turret 2	Horizontal axis 6 station
Number of Tools Maximum	6
Shank Height for Square Tool	25 mm
Tailstock	
Tailstock Travel	470 mm
Quill Dia	80 mm
Quill Travel	100 mm
Quill Taper	Built in center with MT-2 Taper
Steady Rest	
Steady Rest Travel (Z-direction)	640 mm
Steady Rest Lateral Travel	80 mm
Min Distance From Spindle Face	300 mm
Min Distance From 8" Ball Lock Chuck Face	125 mm
Hydraulic System	
Hydraulic Pump Capacity	14 lpm
Hydraulic Power Pack Tank Capacity	45 litre
Coolant Tank Capacity	200 litre
Overall Machine Dimensions (L x W x H) (Without chip conveyor)	3825x2071x2200 mm
Overall Machine Dimensions (L x W x H) (With chip conveyor)	3825x3145x2200 mm
Overall Weight (Without Packing)	~ 5500 kg

Note: Owing to continuous up-gradation of our products, the specification may change and to be reconfirmed at the time of ordering. Features shown may not be part of the standard equipment.

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2TSL12100/MKD/DEC20/REV01