

# VTL 300 XL R / VTL 300 XL L

**ACE**  
DESIGNERS

**AceMicromatic**  
Group Company



## VERTICAL TURNING CENTER

### Standard Accessories

- Cartridge type spindle
- AC spindle drives and axes drives
- High speed bi-directional tool Turret
- Hardened ground box type guideways
- Automatic centralised oil lubrication
- Built-in lighting system
- Hydraulic Counter Balance System for Z axis
- Overload trip clutches on both axes
- Basic hydraulic system
- OD turning tool blocks (8 Nos)
- Boring bar holders (4 Nos)
- Facing tool holders (2 Nos)
- Set of sleeves for boring bars

### Optional Accessories

- Fully tooled up solutions to meet customer needs
- Chip conveyor rear
- Work holding
- Auto door
- Torque enhancement by Star delta

**THINK** Turning®  
Ace Designers

THE LARGEST MACHINE TOOL GROUP IN INDIA



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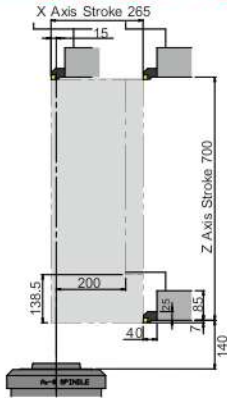
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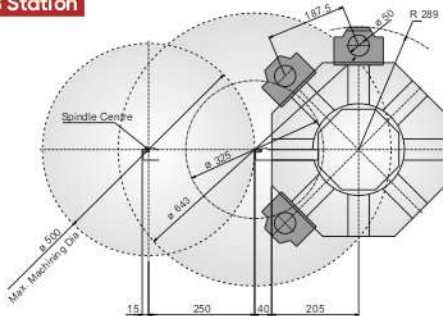
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## Machining Range Diagram

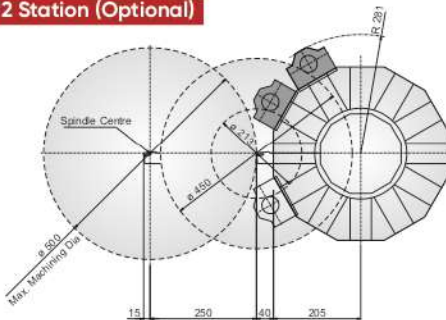


## Interference Diagram

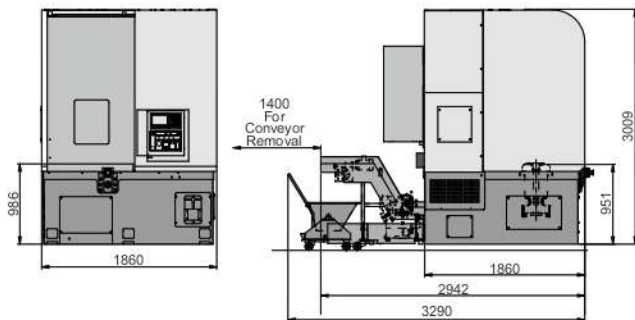
### 8 Station



### 12 Station (Optional)



## Overall Views Diagram



All dimensions are in mm

Manufactured by:

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## Specifications

VTL 300 XL R / VTL 300 XL L

Capacity	
Control System	Fanuc / Siemens
Swing Over Bed	Ø800 mm
Swing Over Carriage	Ø400 mm
Maximum Machining Dia	Ø500 mm
Maximum Turning Length	700 mm
Spindle	
Spindle Size / Nose	A2-8
Spindle Speed	2500 rpm
Spindle Motor Power-Fanuc (continuous)	18.5 kW
Spindle Motor Power-Fanuc (30 min rating)	22 kW
Full Power Range -Fanuc	320-1920 rpm
Spindle Motor Power-Siemens (continuous)	28 kW
Spindle Motor Power-Siemens (S6-40% min rating)	28 kW
Full Power Range - Siemens	455-2000 rpm
Standard Chuck Size	Ref. Quote
Axis	
X-Axis Stroke	265 mm
X-Axis Rapid Rate	20 m/min
X-Axis Guideways	HGBT
Z-Axis Stroke	700 mm
Z-Axis Rapid Rate	20 m/min
Z-Axis Guideways	HGBT
Tooling	
Tooling Type	BTP-125
No. of Stations	8
Max. Boring Bar Dia	Ø50 mm
OD Turning Tool Size	25 x 25 mm
Coolant System	
Coolant Tank Capacity	200 Ltrs
Hydraulic System	
Hydraulic system pressure	14 Lpm
Hydraulic Power Pack Tank Capacity	45 Ltrs
Overall Machine Dimensions (L x W x H)	3350x1860x3009 mm
Overall Weight (Without Packing)	~7000 kg

( ) Values Mention 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.

