



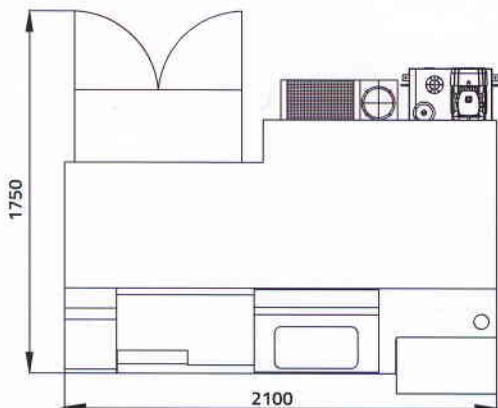
### SALIENT FEATURES

- Box type Hardened and Ground Steel Guide ways
- Sliding tables lined with Turcite. ▪ Cartridge type spindle with Precision Bearings
  - Poly V belt Drive for spindle
- Heavy Gauge sheet metal enclosure with ease of machine maintenance
- Automatic Centralized lubrication with provision for return oil collection
  - Provision for Chip Conveyor at Rear and RH side
- Machine mounted Electrical cabinet, Power Pack and Coolant tank

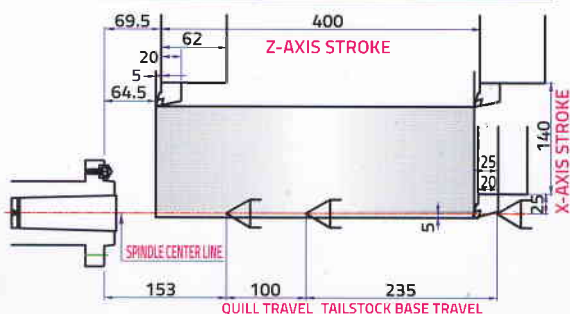
# Specifications



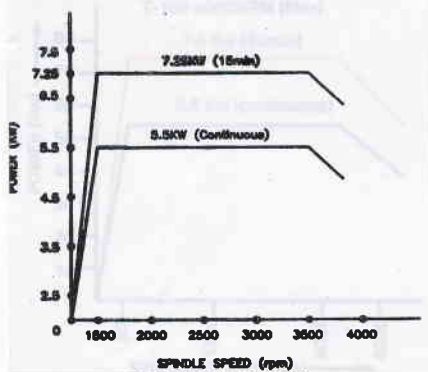
**MACHINE LAYOUT**



**MACHINE MOVABLE RANGE FOR 250 TURRET**



**POWER SPEED DIAGRAM  
T-160 3500 (MAX)**



## Description

## T-160

### CONTROL SYSTEM

Fanuc Oi-Mate-TD/Siemens 828D Basic T

### CAPACITY

Swing Over Bed 500 mm  
 Maximum Turning Dia 270 mm  
 Maximum Turning Dia Between Centers 260 mm  
 Maximum Turning Length 400 mm

### SPINDLE

Spindle Nose A2-5  
 Bore Through Spindle 52 mm  
 Front Bearing Bore 80 mm  
 Maximum Bar Capacity 45 mm  
 Maximum Spindle Speed **3500 rpm**  
 Spindle Motor Power (Fanuc-15 Min / Siemens-30 Min. Rating) Fanuc - 7.5 / Siemens - 8.4 Kw  
 Spindle Motor Power (Continuous Rating) Fanuc - 5.5 / Siemens - 7 Kw  
 Standard Chuck Size 165 mm

### AXES

Type of Guide way **Box Type / L M Rail**  
 X-Axis stroke 140 mm  
 Z-Axis Stroke 400 mm  
 X&Z Axis Rapid Rate 20 m/min  
 X-Axis Ball Screw Dia & pitch 32x10 mm  
 Z-Axis Ball Screw Dia & pitch 32x10 mm  
 X&Z Axes Motor Torque Fanuc - 7 Nm / Siemens - 8 Nm

### TURRET

Number of Tools Maximum 8  
 Boring Bar Dia Maximum 40 mm  
 OD Turning Tool Size **20x20 mm / 25x25 mm**

### TAIL STOCK

Tail Stock Base Travel 235 mm  
 Tail Stock Quill Travel 100 mm  
 Tail Stock Quill Dia 80 mm  
 Quill Taper MT-4  
 Tail Stock Thrust (Max @ 20 Bar) 470 Kg

### HYDRAULIC SYSTEM

Hydraulic Pump Capacity 14 LPM  
 Hydraulic Tank Capacity 40Lts  
 System Pressure 30 Bar  
 Coolant Tank Capacity 100 Ltrs  
 Overall Machine Dimension(LxWxH) 2100L X 1750W X 1700H  
 Overall Machine Weight (Without Packing) ~ 3250  
 Total Connected Load **15 KVA**

Specifications and design are subject to change without notice

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### STANDARD ACCESSORIES

- Hardened and Ground Steel Guide ways
- AC Spindle and Axes Drives
- 8 Station Bi-Directional Tool Turret
- Hydraulic Tailstock with Live Center
- Automatic Lubrication System
- 3 Jaw Hydraulic Chuck (165mm)
- Basic Coolant System
- Machine Lamp
- Boring Bar Holder -2 Nos
- OD- Turning Tool Holder -2 Nos
- Foot Switch for Chuck and Tailstock

### OPTIONAL ACCESSORIES

- Voltage Stabilizer
- Chip Conveyor
- Tooled up Machine