

2. SPECIFICATION TABLE

Item	Unit	Specifications		
CAPACITY:				
No. of controlled axes		8		
Swing over bed	mm (in.)	φ650 (25.6)		
Swing over carriage	mm (in.)	φ250 (9.84)		
Distance between centers	mm (in.)	Max. 1450 (57.09) (Min. 310 (12.2))		
Max. turning diameter × length	mm (in.) × mm (in.)	φ300 × 300 (11.81 × 11.81)		
SPINDLE:				
Spindle diameter	mm (in.)	φ120 (4.72)		
Spindle nose type		JIS A2-8		
Taper hole	mm (in.)	φ90 (3.54) × 1/10		
Through-spindle hole	mm (in.)	φ80 (3.15)		
No. of spindle speed ranges		2 steps		
Spindle speed	min ⁻¹ {rpm}	38 to 3800		
CROSS-SLIDE (X-AXIS):				
Axis travel	mm (in.)	Upper: 280 (11.02) Lower: 265 (10.43)		
Feedrate	mm/rev (ipr)	0.001 to 1000.00 (0.00001 to 39.37)		
Rapid feedrate	mm/min (ipm)	20000 (787.40)		
CARRIAGE (Z-AXIS):				
Axis travel	mm (in.)	Z _A -axis 570 (22.44)	Z _B -axis 1140 (44.88)	Z _C -axis 570 (22.44)
Feedrate	mm/rev (ipr)	0.001 to 1000.00 (0.00001 to 39.37)		
Rapid feedrate	mm/min (ipm)	24000 (944.89)		
Y-AXIS:				
Axis travel	mm (in.)	100 + 70 (3.94 + 2.76)		
Feedrate	mm/min (ipm)	3000 (118.11)		
Rapid feedrate	mm/min (ipm)	6000 (236.22)		
C-AXIS*1:				
Controllable angle		360° (0.001° unit)		
Rapid feedrate	min ⁻¹ {rpm}	200		

Item	Unit	Specifications
TURRET*2:		
Type		V12 + V12
No. of tools		12 + 12
Tool size	OD turning tools	mm (in.) □25 (1)
	ID turning tools	mm (in.) φ40 (1 1/2)
M-TOOL*3:		
Spindle speed	min ⁻¹ {rpm}	35 to 3500
Max. tool shank diameter	mm (in.)	φ25 (0.98)
MOTOR*4:		
Spindle drive motor	kW (hp)	VAC 22/15 (20/15) (30 min/cont.)
Cross-slide feed (X-axis)	kW (hp)	X _A -axis: BL6 (8) X _B -axis: BL4 (5.3)
Carriage feed (Z-axis)	kW (hp)	BL4 (5.3)
Y-axis	kW (hp)	BL3 (4)
C-axis	kW (hp)	By spindle drive motor
M-tool	kW (hp)	VAC 3.7/2.2 (5/3) (15 min/cont.)
Hydraulic power unit pump	kW (hp)	3.7 (5)
Guideway lubrication pump	kW (hp)	0.025 (0.0333)
Coolant pump	kW (hp)	0.25 (0.333) × 2
MACHINE HEIGHT	mm (in.)	2730 (107.48)
FLOOR SPACE REQUIRED	mm (in.) × mm (in.)	4850 × 2120 (190.9 × 83.46)
NET WEIGHT	kg (lb)	12000 (26400)

*1 Direct control by the built-in motor

*2 Quick change toolholder (VDI40)
Synchronized tapping possible

*3 End mill : φ25 mm (φ0.98 in.)
Tap : M16

*4 Built-in motor

3. DIMENSIONAL DRAWING

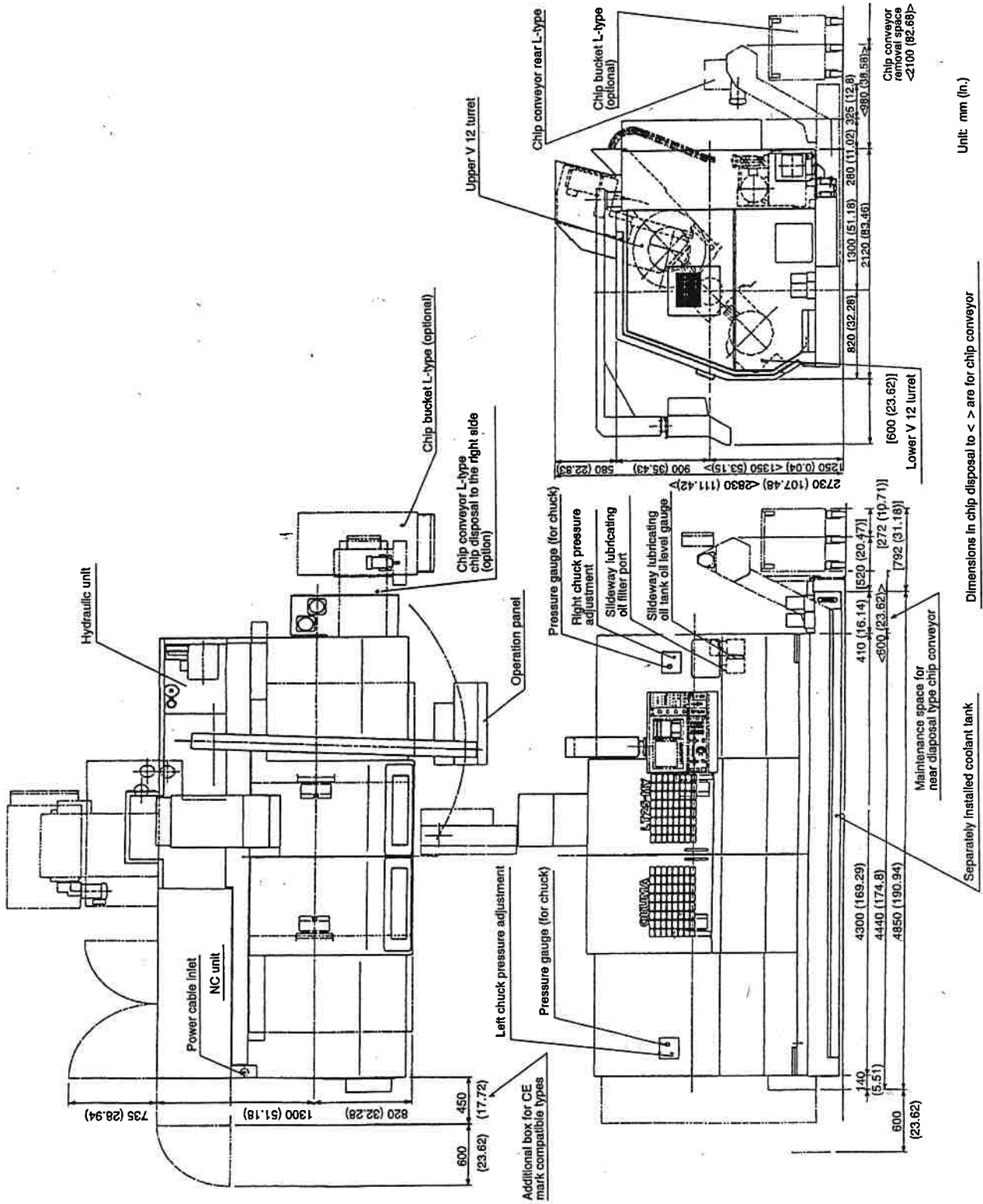
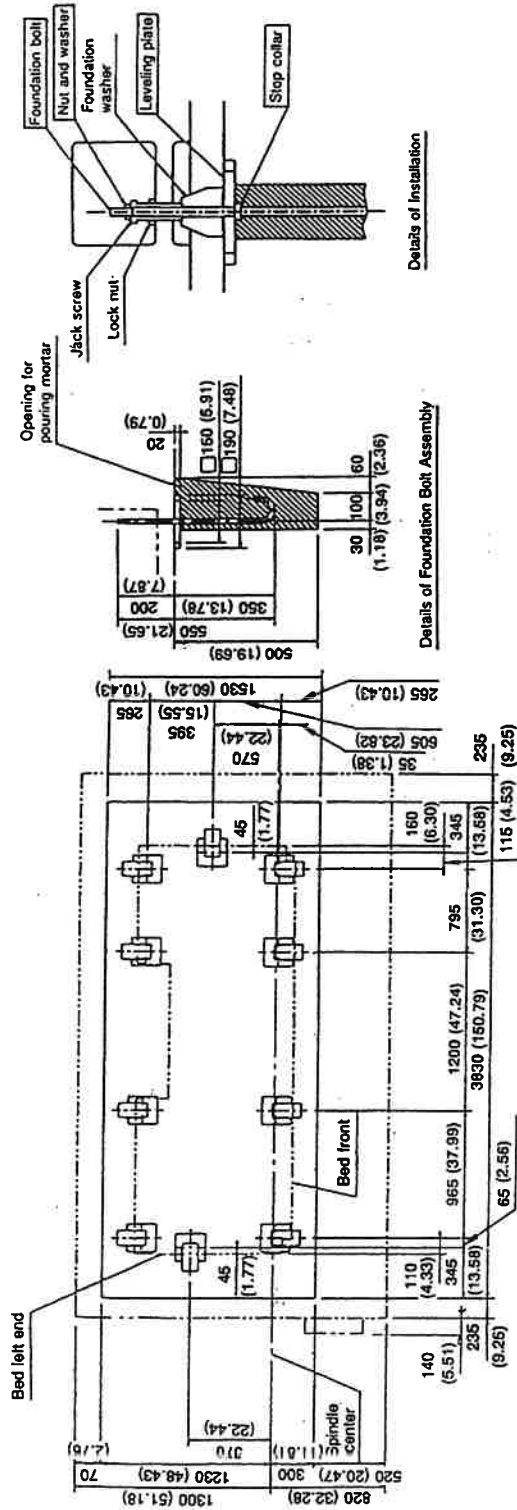


Fig. 1-3 Dimensional Drawing

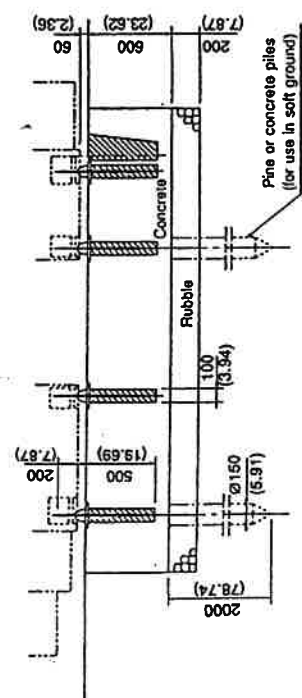
6. FOUNDATION PLAN



Details of Installation

Details of Foundation Bolt Assembly

- Note 1: This foundation plan is typical. Concrete thickness is determined in accordance with sub-soil conditions.
- Note 2: Customers should have on hand the parts for installation of machine:
- 1) Foundation bolt, M16 10 pcs.
 - 2) Nut and washer for above, M16 10 pcs. each
 - 3) Leveling plate 150 x 150 x 191 mm (5.91 x 5.91 x 0.75 in.) 10 pcs.
- These parts are available as options.



Unit : mm (in.)

Fig. 2-4 Foundation Plan