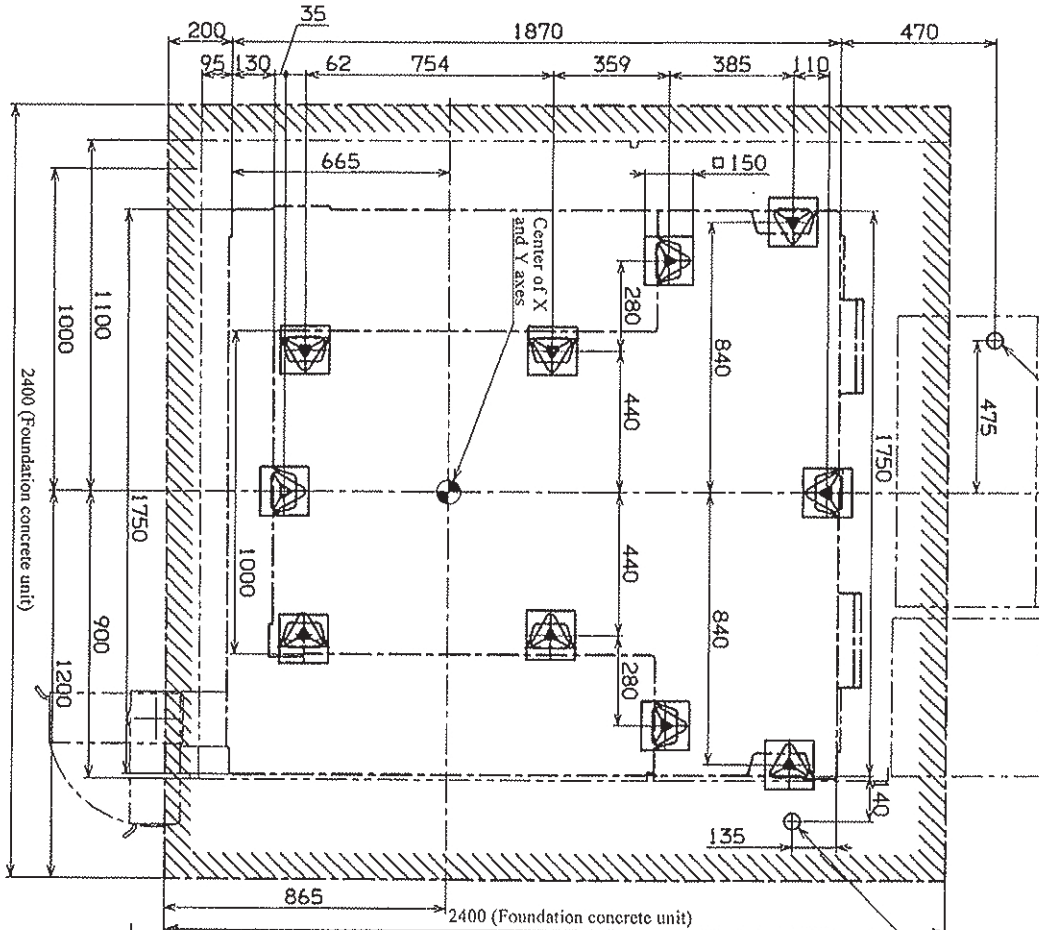


2.3 Foundation Drawing for Installation  
VP400-5AX

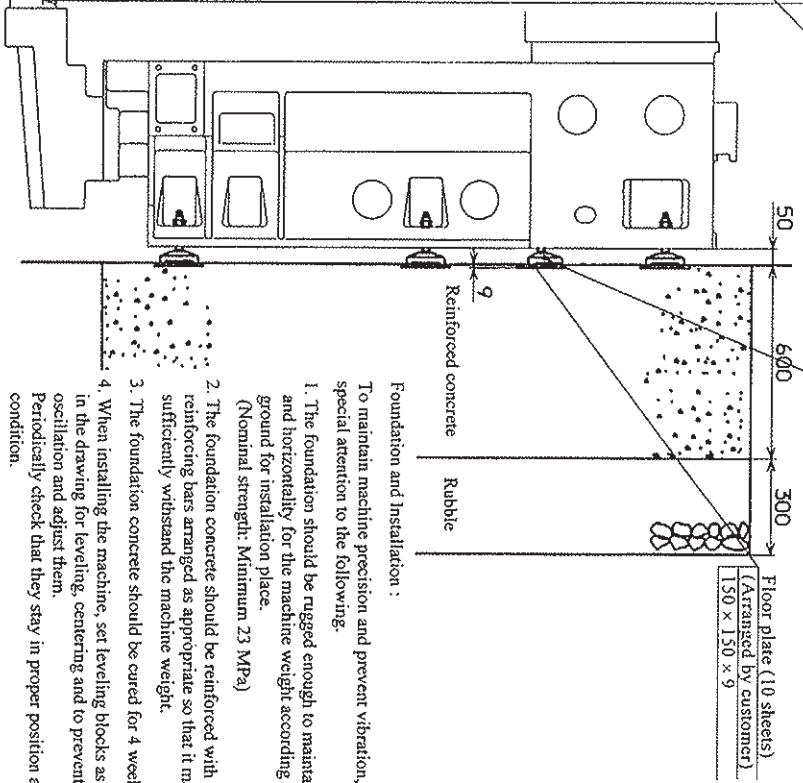


Power cable connection  
 (Distance to the control box base plate from the Feet-965)  
 (\*1045 in the case of 280-mm Column-UP)  
 Power capacity: Refer to the table on the right.  
 Cable size: Refer to the table on the right.  
 (Equivalent to or larger than the size specified in the table)  
 Grounding: Class D (Max. 100Ω)  
 Cable size should be equal to the power cable

| Controller | Spindle speed | Spindle motor | Power capacity | Cable size |
|------------|---------------|---------------|----------------|------------|
| FANUC      | 12000 rpm     | 7.5/5.5 kW    | 28 KVA         | 38 mm      |
|            | 20000 rpm     | 22/18.5 kW    | 50 KVA         | 50 mm      |
| MITSUBISHI | 12000 rpm     | 7.5/5.5 kW    | 33 KVA         | 38 mm      |
|            | 20000 rpm     | 22/18.5 kW    | 54 KVA         | 50 mm      |

Air source connection  
 (Distance to the hose nipple from the floor: 1300)  
 Air pressure: 0.5 MPa  
 Capacity: 12R: 160 L/min(ANR) or more  
 20R: 400 L/min(ANR) or more  
 Hose nipple: φ12 (with Rc 3/8)  
 \*Connect a hose (arranged by customer) being compatible with the above hose nipple.

Block level 4M0161032A (10 pcs.)  
 Jack bolt 4M0161079A (10 pcs.)  
 Nut 4M0330008J (10 pcs.)



Foundation and Installation:

To maintain machine precision and prevent vibration, pay special attention to the following:

1. The foundation should be rugged enough to maintain safety and horizontal for the machine weight according to the ground for installation place.  
(Nominal strength: Minimum 23 MPa)
2. The foundation concrete should be reinforced with reinforcing bars arranged as appropriate so that it may sufficiently withstand the machine weight.
3. The foundation concrete should be cured for 4 weeks.
4. When installing the machine, set leveling blocks as shown in the drawing for leveling, centering and to prevent oscillation and adjust them.  
Periodically check that they stay in proper position and condition.
5. The ground soil bearing power should be minimum 0.06 MPa.
6. When nature of the soil and soil bearing capacity are unfavorable, determine the size and the number of piles accordingly for installation.

Total Machine Weight: 8500 kg  
 Max. Workpiece Weight: 200 kg

VP400-5AX