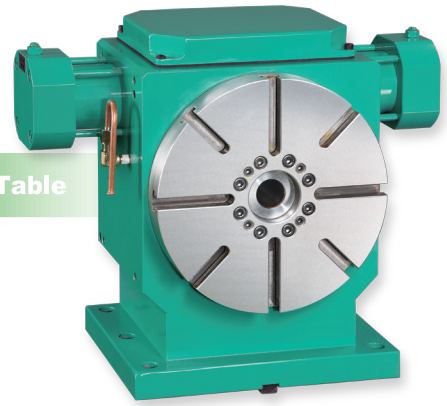




CT-V

Non-lifting Vertical Hydraulic coupling Gear Index Table

Hydraulic rack and opinion driver with adjustable cushions
 Built-in 3 pieces Hirth coupling for positioning and clamping
 Standard index number is 4,6,8,12,24 (one of them)
 Index number : 2,3,5,9 available by special order.
 Hydraulic clamping system, hydraulic Pressure=35kg/cm²
 Vertical position used



Model		CT-200V	CT-250V	CT-320V
Table Diameter	(mm)	ø200	ø250	ø320
Table Center Hole Diameter	(mm)	ø30 ^{H6}	ø55 ^{H6}	ø65 ^{H6}
Table Center Hole depth	(mm)	35	12	20
Table Center Through Hole Diameter	(mm)	ø27	ø30	ø31
Table Overall Height	(mm)	285	362	395
Center Height of Vertical Position	(mm)	155	210	230
Table T-Slot Width	(mm)	12 ^{H7}	12 ^{H7}	12 ^{H7}
Standard guide block Width	(mm)	12 ^{h7}	12 ^{h7}	14 ^{h7}
Hydraulic Pressure	(kg/cm ²)	35 by Hyd.	35 by Hyd.	35 by Hyd.
Index number (standard)	(division)	4, 6, 8, 12, 24 (one of them)		
Index number (available)	(division)	2, 3, 5, 9 ... available by special order		
Rotating direction		CW & CCW		
Indexing accuracy (accumulative)	(sec)	± 4"	± 4"	± 4"
Repetitive accuracy	(sec)	± 2"	± 2"	± 2"
Rotation torque	(kgf-m)	25	37	60
Permissible instant inertia WR ²	(kg-m ²)	7	10	21.25
Indexing time of 90 degrees	(s)	1.7	2.0	2.3
Clamping Torque	F  (kgf) (N)	1260 12340	1410 13818	1560 15200
	F x L  (kg-m) (N-m)	108 1060	208 2041	332 3250
	F x L  (kg-m) (N-m)	55 541	122 1200	145 1423
Load Capacity	90°  (kg)	95	130	200
Weight	Net (kg)	50	110	170

* The outlook dimension of 2 and 3 divisions will be different.

* Indexing time 90 degrees (Unclamp, rotate, clamp) value base on 35 kg/cm², 2 HP, 30L/min regular hydraulic condition.

◎ Standard accessories

Block nuts	Hangers
◎	◎

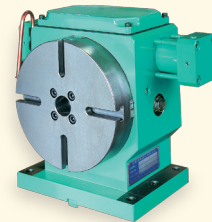
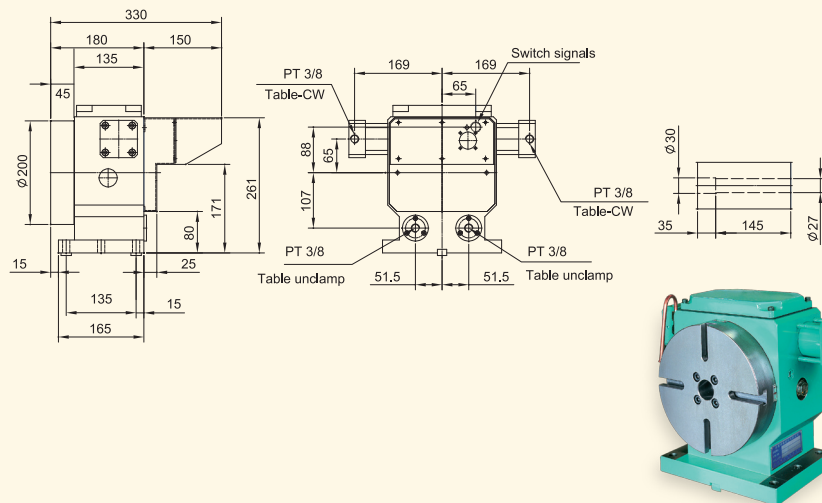
* Optional accessories

Tailstock		3-jaw chuck with sub plate	Hydraulic unit
Taper	Support		
* (p.38)	* (p.40)	* (p.46)	* (p.46)

Guaranteed inspection accuracy

NO	Inspection items		CT-200V	CT-250V	CT-320V
1	Plate straightnes	mm	0.015	0.015	0.015
2	Table surface run outs	mm	0.02	0.02	0.02
3	Parallelism between plate and base surface	mm	0.02	0.02	0.02
4	Concentricity center hole	mm	0.02	0.02	0.02
5	Square between plate and base surface	mm	0.02	0.02	0.02
6	Square between plate and bottom anchor center line	mm	0.02	0.02	0.02
7	Parallelism between plate, tailstock center line and base anchor	mm	0.02	0.02	0.02
8	Tolerance between plate and tailstock center line	mm	0.02	0.02	0.02

T-Slots



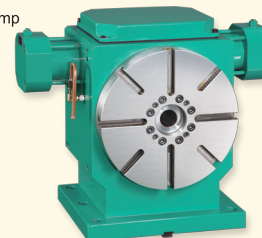
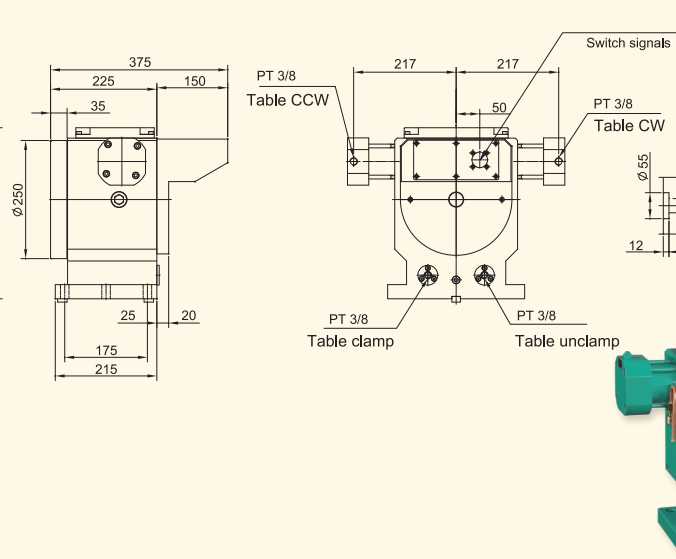
Technical drawing of the T-Slots 250V motor, showing dimensions in millimeters.

Front View Dimensions:

- Total width: 460
- Central shaft diameter: $\varnothing 100$
- Outer diameter of the motor body: $\varnothing 155$
- Top flange thickness: 22
- Distance from top flange to center of shaft: 130
- Distance from center of shaft to bottom flange: 210
- Bottom flange thickness: 30
- Total height: 362

Side View Dimensions:

- Total length: 295
- Distance from left end to center of shaft: 125
- Distance from center of shaft to right end: 125
- Mounting flange with 6 holes of diameter 18
- Distance from left end to mounting flange: 12
- Distance from center of shaft to mounting flange: 18
- Distance from mounting flange to right end: 20
- Distance from mounting flange to center of shaft: 21



Technical drawing of the CP-520V, showing a top view and a side view.

Top View Dimensions:

- Overall diameter: 460
- Distance between centers of four small holes: 330
- Radius of each of the four small holes: 30
- Central hole diameter: $\varnothing 110$
- Small hole diameter: $\varnothing 150$

Side View Dimensions:

- Total height: 395
- Base height: 230
- Top section height: 165
- Base width: 440
- Top section width: 200
- Base slot width: 18
- Base slot depth: 5
- Top section slot width: 14
- Top section slot depth: 23
- Central hole diameter: $4-\varnothing 18$

