



NCT

CNC Rotary Table

Motor driver with dual lead worm transmission

0.001 increment Continue type

Hydraulic clamping system (PHC booster available)

※ Full series can be horizontal and vertical position



Model		NCT-125R(L)	NCT-170R(L)	NCT-200R(L)	NCT-250R(L)	NCT-320RV
Table Diameter	(mm)	ø 125	ø 170	ø 200	ø 250	ø 320
Table Center Hole Diameter	(mm)	ø 40 ^{H7}	ø 50 ^{H7}	ø 60 ^{H7}	ø 50 ^{H7}	ø 60 ^{H7} / ø 110
Table Center Through Hole Diameter	(mm)	ø 25	ø 30	ø 40	ø 40	ø 46 / ø 100
Horizontal Position Height	(mm)	150	190	195	200	230
Center Height of Vertical Position	(mm)	110	135	135	170	210
Table T-Slot Width	(mm)	12 ^{H7}	12 ^{H7}	12 ^{H7}	12 ^{H7}	14 ^{H7}
Standard guide block width	(mm)	14 ^{H7}	14 ^{H7}	18 ^{H7}	18 ^{H7}	18 ^{H7}
Hydraulic Pressure	(kg/cm ²)	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.
Minimum input increment	(degree)	0.001°	0.001°	0.001°	0.001°	0.001°
Total speed (Motor 2000rpm)	Rotation Speed (r.p.m.)	22.2	22.2	22.2	16.6	16.6
	Gear Ratio	1 / 90	1 / 90	1 / 90	1 / 120	1 / 120
Servo Motor (Optional)	FANUC	α iF2	α iF4	α iF4	α iF8	α iF12
	MITSUBISHI	HF-75T	HF-54T	HF-54T	HF-104T	HF-204S
	SIEMENS	1FK7042	1FK7060	1FK7060	1FK7063	1FK7083
Rotation torque	(kgf-m)	12	16	23	48	78
Indexing accuracy (accumulative)	(sec)	60"	20"	20"	15"	15"
Repetitive accuracy	(sec)	± 2"	± 2"	± 2"	± 2"	± 2"
Clamping Torque	F  (kgf)	600	800	1000	1400	1700
	F x L  (kgf-m)	15	17	24	50	85
	F x L  (kgf-m)	20	40	65	85	110
Load Capacity	0°  (kg)	100	150	200	250	350
	90°  (kg)	50	70	85	100	150
Weight	Net (kg)	38	60	75	110	220

* We reserve the right to make changes arising from constant product development without advance notice.

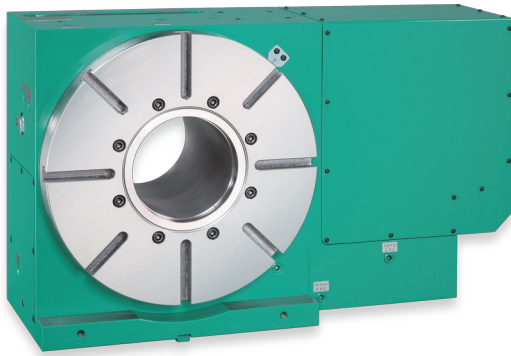
* The list of fitting servomotor, please refer to page 43.

◎ Standard accessories

Block nuts	Hangers
◎	◎

* Optional accessories

DNS controller	Tailstock		3-jaw chuck with sub plate	Encoder	PHC
	Taper	Support			
* (p.42)	* (p.38)	* (p.40)	* (p.46)	* (p.46)	* (p.46)



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Model		NCT-400RV	NCT-500RV	NCT-630RV	NCT-800RV	NCT-1000R
Table Diameter	(mm)	ø400	ø500	ø630	ø800	ø1000
Table Center Hole Diameter	(mm)	ø60 ^{H7} /ø155 ^{H7}	ø170 ^{H7}	ø210 ^{H7}	ø250 ^{H7}	ø305 ^{H7}
Table Center Through Hole Diameter	(mm)	ø51 ^{H7} /ø150 ^{H7}	ø170	ø210	ø254	ø260
Horizontal Position Height	(mm)	250	300	325	380	430
Center Height of Vertical Position	(mm)	250	310	400	480	650
Table T-Slot Width	(mm)	14 ^{H7}	18 ^{H7}	18 ^{H7}	22 ^{H7}	22 ^{H7}
Standard guide block width	(mm)	18 ^{H7}	18 ^{H7}	18 ^{H7}	22 ^{H7}	22 ^{H7}
Hydraulic Pressure	(kg/cm ²)	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.	35 by Hyd.
Minimum input increment	(degree)	0.001°	0.001°	0.001°	0.001°	0.001°
Total speed (Motor 2000rpm)	Rotation Speed (r.p.m.)	11.1	11.1	11.1	5.5	5.5
	Gear Ratio	1 / 180	1 / 180	1 / 180	1 / 360	1 / 360
Servo Motor (Optional)	FANUC	αiF12	αiF12	αiF22	αiF22	αiF22
	MITSUBISHI	HF-204S	HF-204S	HF-354S	HF-354S	HF-354S
	SIEMENS	1FK7083	1FK7083	1FK7101	1FK7101	1FK7101
Rotation torque	(kgf-m)	170	240	420	520	600
Indexing accuracy (accumulative)	(sec)	15"	15"	15"	15"	15"
Repetitive accuracy	(sec)	± 2"	± 2"	± 2"	± 2"	± 2"
Clamping Torque	F 	(kgf)	2000	2300	2600	5800
	F x L 	(kgf-m)	180	250	450	650
	F x L 	(kgf-m)	180	250	400	1800
Load Capacity	0° 	(kg)	500	600	800	1400
	90° 	(kg)	200	250	400	600
Weight	Net (kg)	300	450	820	1600	2800

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* The list of fitting servomotor, please refer to page 43.

◎ Standard accessories

Block nuts	Hangers
◎	◎

* Optional accessories

DNS controller	Tailstock		3-jaw chuck with sub plate	Encoder	PHC
	Taper	Support			
* (p.42)	* (p.38)	* (p.40)	* (p.46)	* (p.46)	* (p.46)

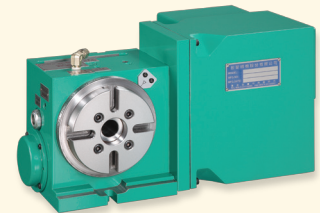
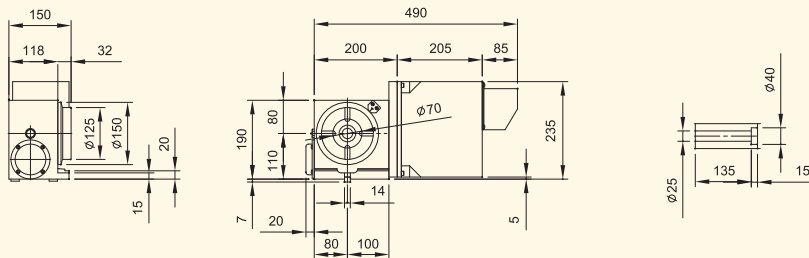


Guaranteed inspection accuracy

1	2	3	4	5	6	7

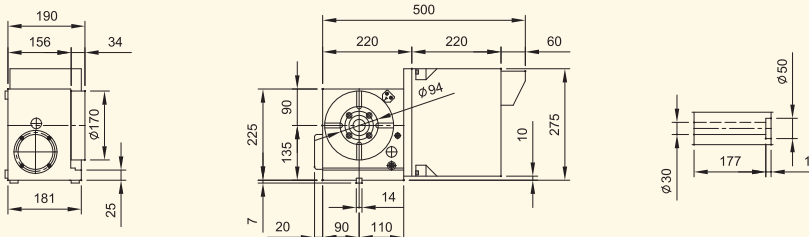
NO	Inspection items	NCT-125	NCT-170 NCT-200	NCT-250 NCT-320	NCT-400 NCT-500	NCT-630 NCT-1000
1	Concentricity of center hole	0.01	0.01	0.01	0.01	0.01
2	Perpendicularity of table with guide block	Per total table length	0.02	0.02	0.02	0.03
3	Height difference of both center lines of Rotary table and tailstock	Per 300 mm length	0.02	0.02	0.02	0.02
4	Perpendicularity of table top to frame bottom	Per total table length	0.02	0.02	0.02	0.03
5	Table top flatness	Per total table length	0.015	0.015	0.02	0.03
6	Parallelism of table top to frame bottom		0.01	0.01	0.015	0.02
7	Parallelism between table surface and frame bottom face	Per total table length	0.02	0.02	0.02	0.03

NCT-125R



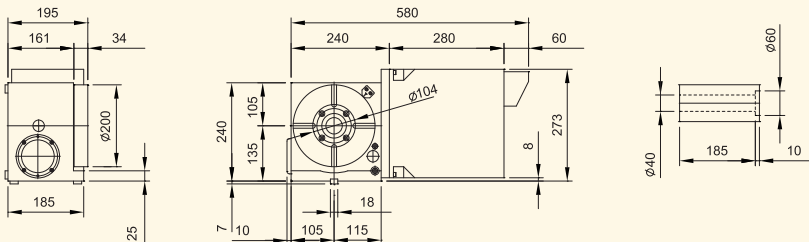
NCT-125R

NCT-170R



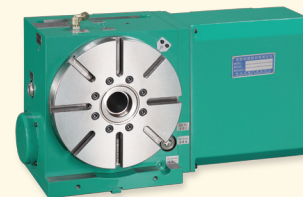
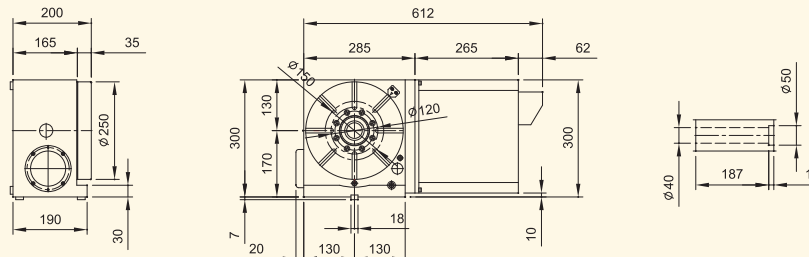
NCT-170R

NCT-200R



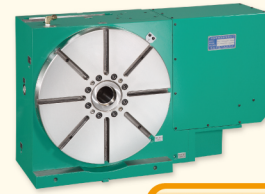
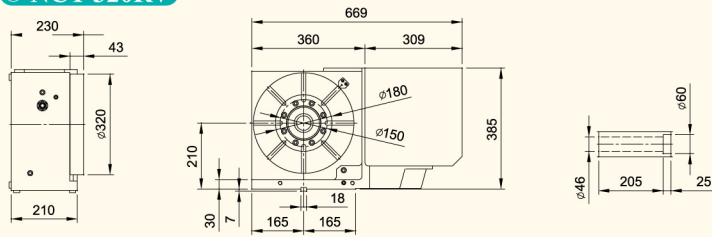
NCT-200R

NCT-250R



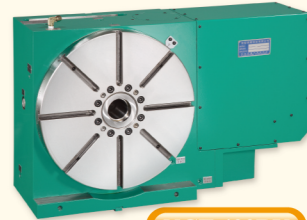
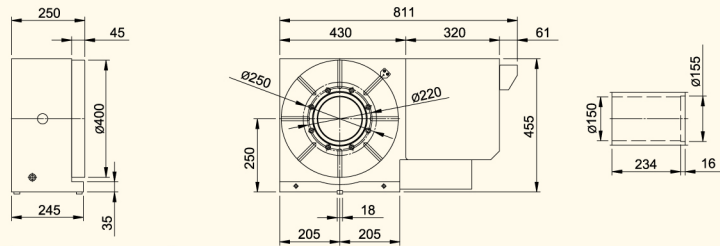
NCT-250R

● NCT-320RV



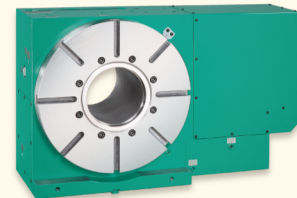
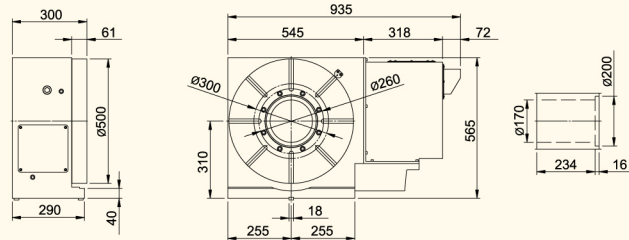
NCT-320RV

● NCT-400RV



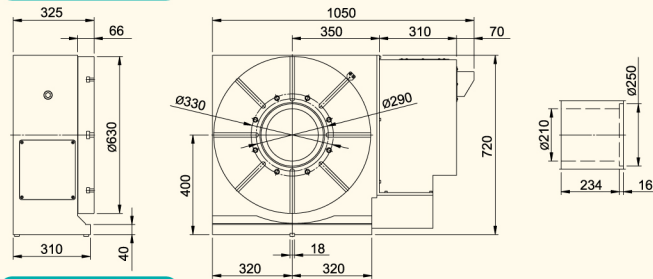
NCT-400RV

● NCT-500RV



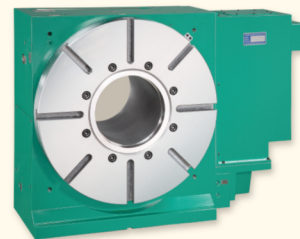
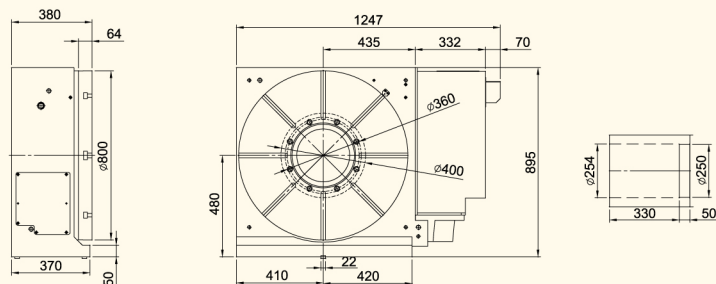
NCT-500RV

● NCT-630RV



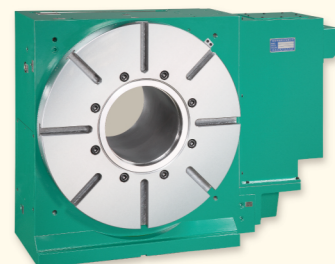
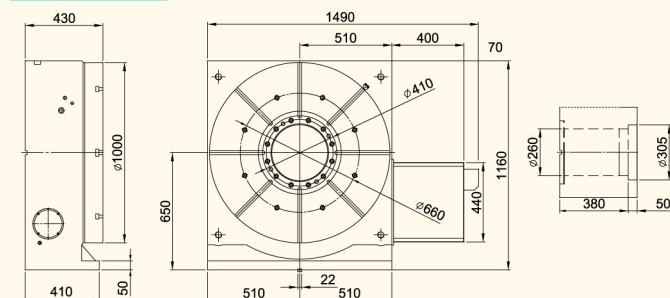
NCT-630RV

● NCT-800RV



NCT-800RV

● NCT-1000RV



NCT-800RV