TR-120FF

5th Tilting NC Rotary Table

- Compact Tilting Series
- High Precision, High Speed Systems
- Convenient JIG Design
- Compact Design
- Extremely Rigid Body

TR-SERIES

Model No. TR-120FF

- Servo Motor Maker
- Table Diameter
- TYPE : Tilting NC Rotary Table

***Servo Motor Brand**

F : FANUC
S : SIEMENS
M : MITSUBISHI
P : PANASONIC
Y : YASKAWA
H : HEIDENHAIN
L : LS MECAPION
SY : SANYO
FA : FAGOR
O : OKUMA

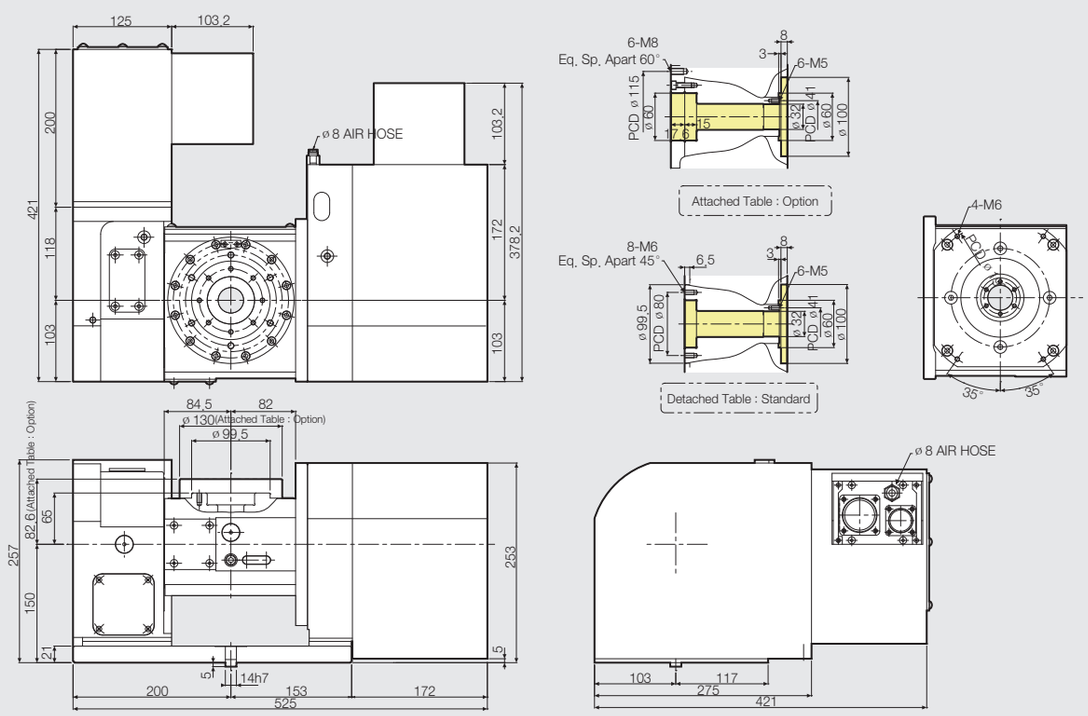
Table diameter (mm)	Center height (mm)	Resister diameter on face plate	Spindle through hole diameter (mm)	Clamp method	Allowable work inertia (kgm²)	Net weight (kg)
(Table : option) Ø130	150	Ø60	Ø32	Hydraulic	0.06	110

	Max.spindle speed (mm⁻¹)	Gear ratio	Repeatability accuracy (sec)	Indexing accuracy (sec)	Clamp Torque (N.m)	Servo motor (FANUC)
Rotating Axis	33.3	1/90	4	30	120	αi F2/5000
Tilting Axis	16.6	1/180	4	60	200	αi F2/5000

Allowable load (kg)					Allowable cutting torque (N.m)	Moment of tilting weight capacity
Horizontal	Vertical	F(kN)	F x L(N.m)	F x L(N.m)		W x L(kgf.m)
35	20	4	200	120	190	10

* Tilting Range / -20° ~ 110°

TR-120FF



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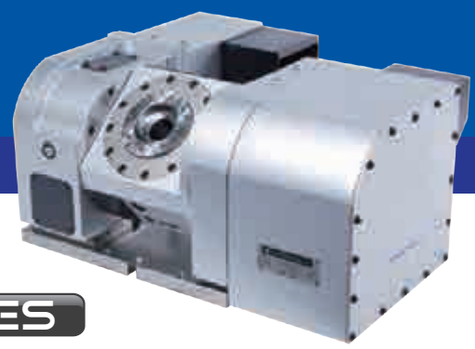
TR-200FF

5th Tilting NC Rotary Table



- Tilting Series
- High Precision, High Speed Systems
- Convenient JIG Design
- Extremely Rigid Body

TR-SERIES

Model No. TR-200FF

- Servo Motor Maker
- Table Diameter
- TYPE : Tilting NC Rotary Table

*Servo Motor Brand

F : FANUC
S : SIEMENS
M : MITSUBISHI
P : PANASONIC
Y : YASKAWA
H : HEIDENHAIN
L : LS MECAPION
SY : SANYO
FA : FAGOR
O : OKUMA

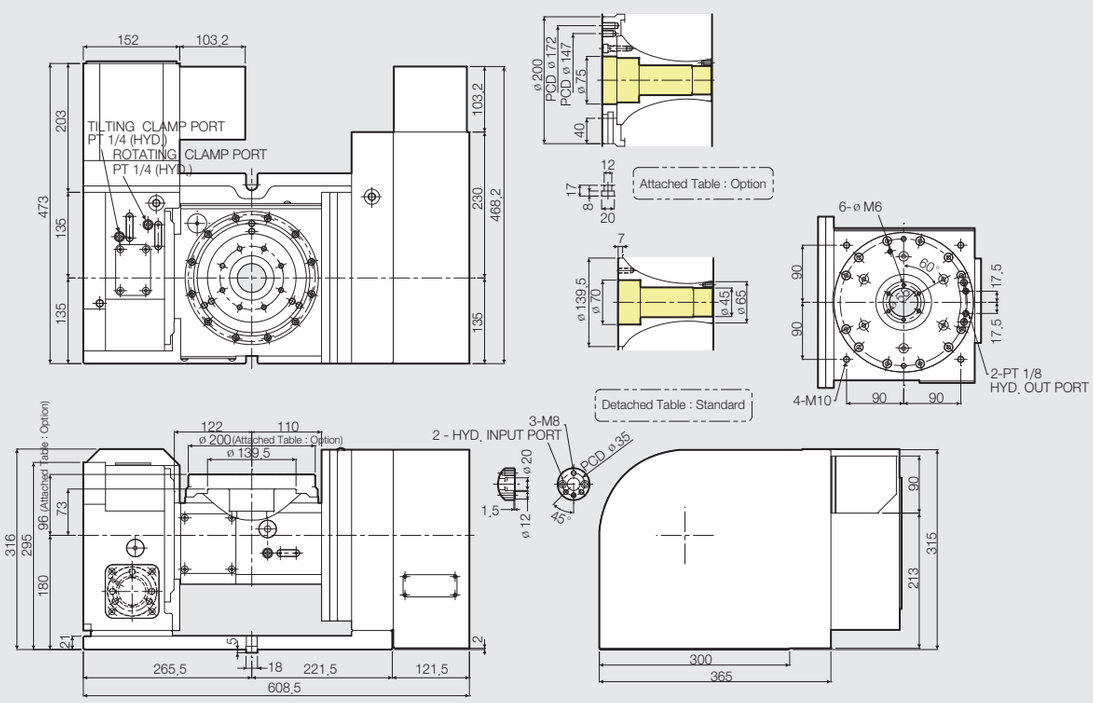
Table diameter (mm)	Center height (mm)	Resister diameter on face plate	Spindle through hole diameter (mm)	Clamp method	Allowable work inertia (kgm²)	Net weight (kg)
(Table : option) Ø200	180	Ø70	Ø45	Hydraulic	0.25	250

	Max.spindle speed (mm⁻¹)	Gear ratio	Repeatability accuracy (sec)	Indexing accuracy (sec)	Clamp Torque (N.m)	Servo motor (FANUC)
Rotating Axis	33.3	1/90	4	30	450	αi F4/4000
Tilting Axis	16.6	1/180	4	60	800	αi F4/4000

Allowable load (kg)					Allowable cutting torque (N.m)	Moment of tilting weight capacity
Horizontal	Vertical	F(kN)	F x L(N.m)	F x L(N.m)		W x L(kgf.m)
60	40	5	800	450	250	12

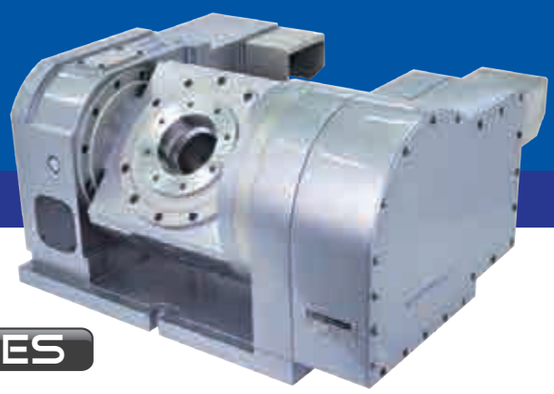
* Tilting Range / -20° ~ 110°

TR-200FF



TR-250FF

5th Axis for Tilting NC Rotary Table



TR-SERIES

- Tilting Series
- High Precision, High Speed Systems
- Convenient JIG Design
- Extremely Rigid Body

Model No. TR-250FF

- Servo Motor Maker
- Table Diameter
- TYPE : Tilting NC Rotary Table

*Servo Motor Brand

F : FANUC
S : SIEMENS
M : MITSUBISHI
P : PANASONIC
Y : YASKAWA
H : HEIDENHAIN
L : LS MECAPION
SY : SANYO
FA : FAGOR
O : OKUMA

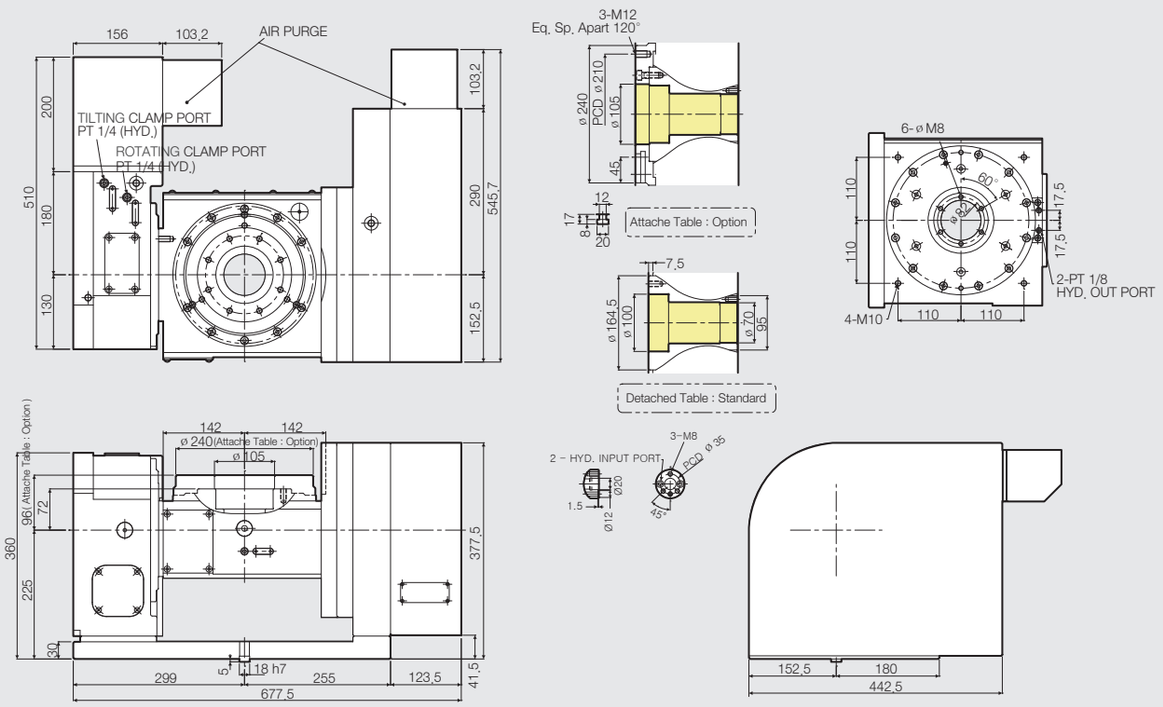
Table diameter (mm)	Center height (mm)	Resister diameter on face plate	Spindle through hole diameter (mm)	Clamp method	Allowable work inertia (kgm²)	Net weight (kg)
(Table : option) Ø240	225	Ø100	Ø70	Hydraulic	0.78	295

	Max.spindle speed (mm⁻¹)	Gear ratio	Repeatability accuracy (sec)	Indexing accuracy (sec)	Clamp Torque (Hyd. 3.5MPa)	Servo motor (FANUC)
Rotating Axis	33.3	1/90	4	30	900	α 4/4000i
Tilting Axis	16.6	1/180	4	60	1200	α 4/4000i

Allowable load (kg)					Allowable cutting torque (N.m)	Moment of tilting weight capacity
Horizontal	Vertical	F(kN)	F x L(N.m)	F x L(N.m)		
100	60	12	1200	900	600	26

* Tilting Range / -20° ~ 110°

TR-250FF



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