

# Positioners

## ▶▶ *PT series*



■ PT-5000

ProArc PT series positioners provide steel fabrication shops to position the jobs for 'downhand' position in the shortest possible time without the use of cranes and manpower. The constructions of ProArc positioners provide safe operation and long trouble-free service.

## Features

- Capacities range from 100 to 20,000 kilograms.
- 360 degree rotation, 135 degree tilt range.
- High frequency protected.
- Machined "T" slots table with pilot and through hole.
- A. C. variable frequency drive for rotation.
- Tilt motors are electrically activated mechanical AC brake motors.
- High quality worm gear reducers for smooth operation and minimal backlash.
- Maintenance-free grounding system.
- AD type adjustable table height available.
- Forward-Stop-Reverse and variable speed control are standard.

# Specifications

Specification											
Model	Unit	PT-101(2) <sup>※1</sup>	PT-201(2) <sup>※1</sup>	PT-450(M) <sup>※2</sup>	PT-750	PT-1,500	PT-3,000	PT-5,000	PT-10K	PT-15K	PT-20K
Power input		AC 110 / 220V, 50 / 60 Hz, 1 phase			AC 220V, 50 / 60 Hz, 1 phase		AC 220V, 50 / 60 Hz, 3 phase				
Rotation motor	hp	1/12	1/12	1/6	1/2	1	2	3	3	3	5
Tilt motor	hp			1/6	1/4	1/2	2	3	3	5	5
Overall length (A)	mm	420	420	630	1,000	1,400	1,710	2,010	2,450	2,720	3,050
Overall width (B)	mm	435	435	650	710	1,000	1,200	1,400	1,800	2,000	2,250
Overall height (C)	mm	340	340	625	700	990	1,090	1,200	1,460	1,630	1,785
Center to floor (D) (AD type)	mm	250	250	540 (540 ~ 915)	600 (600 ~ 975)	855 (855 ~ 1,300)	940 (940 ~ 1,540)	1,040 (1,040 ~ 1,800)	1,250 (1,250 ~ 2,050)	1,400 (1,400 ~ 2,400)	1,530 (1,530 ~ 2,530)
Capacity	kg	100 / 60	200 / 130	450 / 300	750 / 500	1,500	3,000	5,000	10K	15K	20K
Rated center of gravity	mm	-			300	300					
Rated eccentricity	mm	45 ~ 180 <sup>※4</sup>	20 ~ 84 <sup>※4</sup>	100	300						
Table dimension (E)	mm	320	320	450	600	800	1000	1,200	1,500 <sup>※3</sup>	1,750 <sup>※3</sup>	2,000 <sup>※3</sup>
Thru hole	mm	∅38.5	∅38.5	∅25	∅26	∅35	∅40	∅40	∅50	∅50	∅50
Table pilot hole (dia. x depth)	mm	-		∅50*5	∅50*5	∅50*5	∅75*5	∅75*5	∅100*5	∅100*5	∅100*5
Table slot bolt size <sup>※5</sup>		M10	M10	M12	M12	M16	M20	M24	M30	M30	M30
Tilt range	deg	0 ~ 120	0 ~ 120	0 ~ 135	0 ~ 135						
Tilt speed (0~135°)	sec				38	45	58	65	65	90	90
Rotation speed	rpm	0.15 ~ 16 <sup>※4</sup>	0.15 ~ 16 <sup>※4</sup>	0.12 ~ 2.5	0.05 ~ 1	0.05 ~ 1	0.05 ~ 1	0.04 ~ 0.8	0.02 ~ 0.5	0.01 ~ 0.25	0.01 ~ 0.25
Welding timer	sec	0 ~ 60	0 ~ 60	0 ~ 60	-						
Earthing	amp	300	300	300	300	600	600	600	600	600	600
Weight	kg	38	42	134	232	750	1,800	2,800	4,200	5,300	6,500

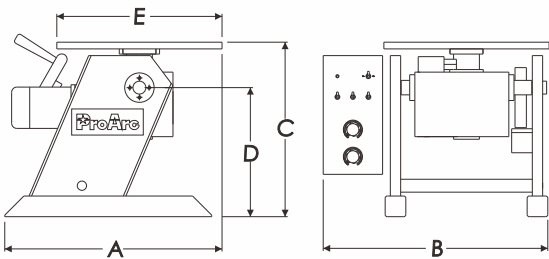
※1 Digital type (PT-102, PT-202) ※2 Manual Tilt (PT-450M)  
 Power input : 100 ~ 240V ※3 Square table  
 ※4 Please refer to "Table 1"  
 ※5 T-slot when table dimension ≥ 450 mm

\*Specifications subject to change without notice

Table 1

	Rated eccentricity (mm)	Rotation speed (rpm)
PT-101	A:80 B:45 C:30 D:22	A:0.15~4 B:0.3~8 C:0.4~12 D:0.55~16
PT-201	A:60 B:35 C:22 D:17	
PT-102	A:180 B:90 C:60 D:45	
PT-202	A:84 B:42 C:28 D:20	

## Dimensions



■ PT-102



■ PT-450



■ PT-202



■ PT-1500

## Options

- Fast/Slow footswitch
- Digital tachometer
- Welding grounds
- Grippers



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