



AII Series

POSITIONER AII-1 PC

High Speed and High Accuracy

Model
AII-1PC500

Positioner Headstock

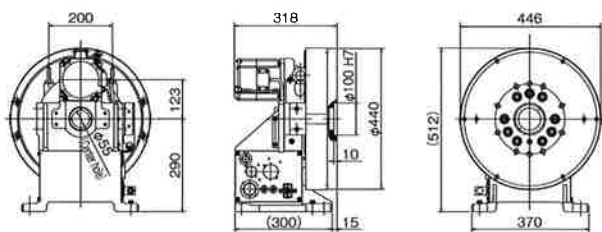
AI-1PC series High-speed motion increases production efficiency!

- **Faster** Increasing productivity due to faster speed, 120 degrees per second (1PC500), 72 degrees per second (1PC1000).
- **Accurate** Adopting Non-Backrush mechanism for high accuracy. (Position Repeatability $\pm 0.1\text{mm}$ (At 300mm from Rotation Center)).
- **Durable** Simple drive system can reduce the risk of failure.
- **Easy Installation** Designed for Compact, lightweight and easy installation. Standard built-in secondary welding terminal (500A) for easy connection. Cables and hoses can be routed at center of rotation table due to through-hole design. Thus, the welding jig can be simply connected.

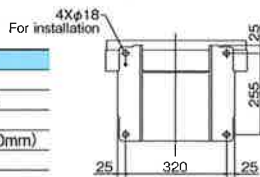


AI-1PC500

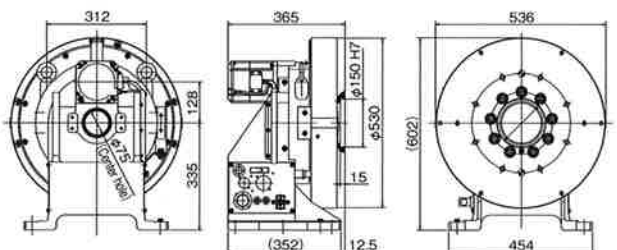
AI-1PC500



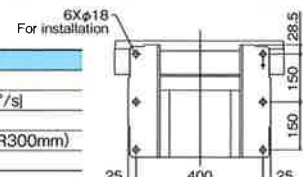
Model name	PC501
Max. Payload Capacity	500kg
Rotating Speed	2.1 rad/s 120°/s
Allowable Rotating Torque	490N·m
Position Repeatability	$\pm 0.1\text{mm}$ (at R300mm)
Stop Position	Random
Mass (Weight)	110kg



AI-1PC1000



Model name	PC1001
Max. Payload Capacity	1000kg
Rotating Speed	1.3 rad/s 72°/s
Allowable Rotating Torque	1078N·m
Position Repeatability	$\pm 0.1\text{mm}$ (at R300mm)
Stop Position	Random
Mass (Weight)	193kg



Optional

Items	Specification	Items	Specification
Connector Cover	Protecting cable connectors from dusty environment.	Rotary Joint	Signal Line: 6 channel (2A Max.)
Curly Code	12 Wires (0.5mm ² ×12)		Air Line: 2
Point Marking	Required when Cross-mastering		Continuous working pressure 0.49MPa Maximum working pressure 0.98MPa (one hour or less)

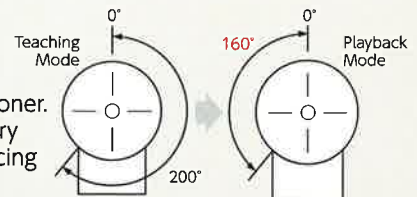
Useful Optional Softwares

Synchromotion Synchronizing Robot and positioner motion to keep the best welding angle and constant speed for minimizing improper welding such as less-penetration and increasing productivity!

Multi-Drive Control
Minimizing the unnecessary twisting force applied on parts by full synchronization between two positioners.



Endless Rotation Function
Endless-Rotation Function can optimize (minimize) the movement amount on positioner. This can save the unnecessary motion positioner and deducing cycle time.



In accordance with DAIHEN's policy to make continuing improvements, design and/or specifications are subject to change without notice.

DAIHEN Corporation

4-1 Koyochonishi, Higashinada-ku, Kobe, Hyogo 658-0033, Japan
Phone : (Country Code 81) 78-275-2006
Fax : (Country Code 81) 78-845-8159

Distributed by :

3.2011.1BD
PRINTED IN JAPAN

Note

This product and the technologies (including software) used in the product are subject to Catch-All controls. When exporting any of them, verify the users, applications, etc. according to the applicable laws and regulations and take appropriate procedures such as applications for export permission to the Minister of Economy, Trade and Industry if required.

CAT.NO.R21006A

● The information contained in this catalog is current as of December 2010 and is subject to revision without notice.
● This catalog was printed with environmentally-friendly soy ink.

