

American Hakko Products, Inc.

PRODUCT BULLETIN

Bulletin No: PB464

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Description/Title:

New CHP ATX Series Smart Servo Fastening System

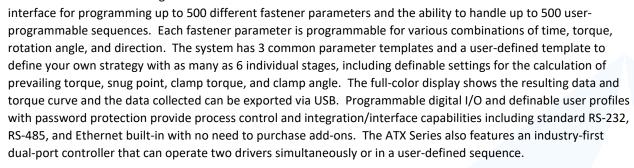
Part No:

ATX-P1, ATX-P2, ATX-12, ATX-30, ATX-50, AT-2W2140

Comments:

The new CHP ATX Series Smart Servo Fastening System provides high-precision torque and angle-controlled fastening using a high-quality DC brushless servo motor, a high-precision transducer, and high-resolution digital encoder for accurate angle measurement.





The drivers feature an ergonomic grip design that is lightweight and ESD safe for electronics assembly. The drivers also feature an integrated, intensity-adjustable white LED work light, user-defined status indicator light, easy-to-operate rotation direction selector, and a user-programmable trigger system that allows you to define the trigger type as push, lever, or both and also define the start and stop sensitivity.



Specifications:

Drivers

Model (Part No.)	ATX-12	ATX-30	ATX-50	
Torque Range	2.4 – 12 kgf-cm	6.0 – 30 kgf-cm	10 – 50 kgf-cm	
	(2.08 – 10.41 lbf-in.)	(5.20 – 26.03 lbf-in.)	(8.67 – 43.39 lbf-in.)	
Max Speed (RPM)	2000	1200	700	
Torque Precision	<±3%			
Tool Bit Shank	6.35 mm (0.25 in.) Hex			
Tool Bits Included	Phillips #1 – 3.0 mm ø	Phillips #2 – 4.5 mm ø	2 pcs	
(50 mm Length)	Phillips #2 – 4.5 mm ø	Phillips #2 – 6.0 mm ø	Phillips #2 – 6.0 mm ø	
Grip Diameter	34 mm (1.34 in.)			
Trigger Type	User-Programmable Push/Lever/Both			
Work Light	Integrated White LED – User-Programmable Intensity			
Status Indicator	User-Programmable Yellow/Red/Green			
Dimensions (W x D x H)	41 x 40 x 272 mm			
	(1.61 x 1.57 x 10.71 in.)			
Weight	480 g (16.9 oz.)			
Operating Environment	0 – 40°C (-32 – 104°F)			
	0 – 90% RH (Non-condensing)			
Enclosure Rating	IP40			

Controller

Model	ATX	
Part No.	ATX-P1	ATX-P2
Supported No. of Screwdrivers	1	2
Input Voltage	100 to 240 VAC 50/60 Hz	
Power Consumption	100 W	200 W
Output Voltage	38 VDC	
Continuous Output Current (RMS)	3.7 A / Screwdriver	
Max Instantaneous Output Current (RMS)	15.0 A / Screwdriver	
Display	10.1" TFT LCD Touchscreen	
Resolution	800 x 1280 24-bit RGB	
Network Interface	1 port RJ-45 10/100 Mbps Auto-Detect	
Serial Interface	1 port RS-232	
Serial interface	2 port RS-485	
HDMI Output	1 port HDMI 1.4a	
USB Host	1 port USB 2.0	
Digital Input/Output	8 – Digital Outputs (150 mA max.)	
(Per Tool)	8 – Digital Inputs (30 VDC max.)	
Fastener Definitions	500 max.	
Fastener Sequence Definitions	500 max.	
Dimensions (W x D x H)	200 x 121.1 x 251.5 mm	
Differisions (W X D X H)	(7.9 x 4.8 x 9.9 in.)	
Weight	4.02 kg (8.9 lb.)	4.11 kg (9.1 lb.)
Operating Environment	0 to 40°C (-32 to 104°F)	
Operating Environment	0 to 90% RH (Non-condensing)	
Enclosure Rating	IP20	