

## American Hakko Products, Inc.

# PRODUCT BULLETIN

**Bulletin No: PB464** 

Issue Date: 2-8-2023

Effective Date: 3-1-2023

Description/Title:

New CHP ATX Series Smart Servo Fastening System

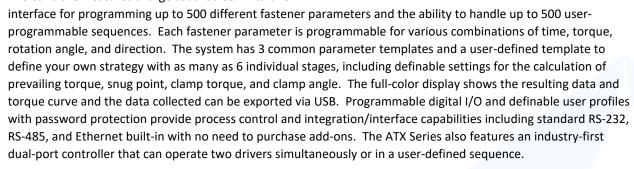
Part No:

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 controller features a large touchscreen intuitive



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-tooperate 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)		
<b>Enclosure Rating</b>	IP40		

## Controller

Model	ATX	
	1	
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 litterrace	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. D. W.	200 x 121.1 x 251.5 mm	
Dimensions (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.)
On a rating Fundament	0 to 40°C (-32 to 104°F)	
Operating Environment	0 to 90% RH (Non-condensing)	
Enclosure Rating	IP20	

For more information, please visit www.HakkoUSA.com or call 1-800-88-HAKKO (42556)





