Tool

Pistol Tools

Model	Torque Range		Max. Speed (rpm)		*Weight		Length		Battery Pack Included	Drive Mode
	N·m	ft·lb	25V Battery	36V Battery	kg	lb	mm	in		
EHC2-R3008-PW1	1.6-8	1.2-5.9	1100	1500	1.4	3.1	224	8.8	BPL-2520ES	Direct /Pulse
EHC2-R3015-PW1	3-15	2.2-11.1	600	800						
EHC2-T3030-PW1	6-30	4.4-22.1	1100	1500						Pulse
EHC2-T3050-PW1	10-50	7.4-36.9	1000	1350	1.65	3.6	233	9.2		

*Note: Weight does not include the battery.

Right Angle Tools

Model	Torque Range		Max. Speed	*Weight		Length		Battery Pack Included	Drive Mode
	N·m	ft·lb	rpm	kg	lb	mm	in		
EHC2-R1030-AW1	6-30	4.4-22.1	393	2.3	5.1	517	20.4	BPL-3620ES	Direct
EHC2-R1050-AW1	10-50	7.4-36.9	215	2.6	5.7	532	20.9		
EHC2-R1065-AW1	13-65	9.6-47.9	166	2.9	6.4	564	22.2		
EHC2-R1090-AW1	18-90	13.3-66.4	117	3.5	7.7	598	23.5		
EHC2-T0020-AW1	4-20	3.0-14.8	1029	2.0	4.4	489	19.3		Pulse
EHC2-T0040-AW1	8-40	5.9-29.5	844	2.4	5.3	503	19.8		
EHC2-T0070-AW1	14-70	10.3-51.6	581	2.7	6.0	531	20.9		
EHC2-T2100-AW1	20-100	14.8-73.8	608	3.2	7.1	567	22.3		

*Note: Weight does not include the battery.

Wireless Communication Specifications

Communication Method	WLAN
Frequency Band	2.4GHz / 5GHz
Security Method	WEP (64bit, 128bit), WPA-PSK, WPA2-PSK

AIM Kit (Optional)

LCD Display and Barcode Scanner

- Tool Unit Information Display
- Tightening Result and Error Display
- Barcode and QR Code Reading
- Channel and Job Selection, etc.

Model Number	Tool Unit Model＋AIM Kit (ex. EHC2-R3008-PW1+AIM2) (ex. EHC2-R3008-AW1+AIM2)

	Specifications
Barcode Symbology	Barcode (CODE 39, 128; etc.) QR Code, Data Matrix Code
Display Size	1.5 inch LCD (240×240 dots)
Buttons	Up, Down, Left, Right, Set
Weight	130g

Battery Pack

Model	Voltage	Ampere-hour	Weight		Compatibility
			kg	lb	
BPL-2510ES	DC25.2V	1.0Ah	0.40	0.88	Pistol Tools
BPL-2520ES	DC25.2V	2.0Ah	0.54	1.19	Pistol Tools
BPL-3610ES	DC36V	1.0Ah	0.47	1.04	Right Angle & Pistol
BPL-3620ES	DC36V	2.0Ah	0.68	1.50	Right Angle & Pistol

Battery Charger

Model	Applicable Battery	Rated Input	Rated Output	Charging Time
BC2075MX	BPL-2510ES	AC100-240V 50/60Hz	2.0A±0.2A	45 min.
	BPL-2520ES		2.0A±0.2A	75 min.
	BPL-3610ES		1.6A±0.2A	50 min.
	BPL-3620ES		1.6A±0.2A	90 min.

MIF

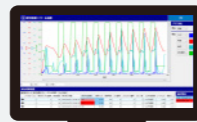Up to 10 WiFi tools can connected and controlled via WLAN access points.

Max No. of Channel	250		
Max No. of Job	99 (30 Steps/Job)		
Storage Capacity	Fastening Results	: 100,000/1Workstation	
	Torque Curve	: 1,000/1Workstation	
	System Error	: 1,000	
DC Output Power	DC24V Max.1.5A		
Power Supply	Single Phase AC100〜230V 50/60Hz		

Fieldbus	Model
Standard Spec	EHC2-MIF10-N
CC-Link	EHC2-MIF10-M
PROFINET	EHC2-MIF10-S
EtherNet/IP	EHC2-MIF10-R

Management Software

EHC2-MIF-PC

Exclusive management software designed for the Master Interface Unit (MIF), featuring a range of capabilities including parameter reading and writing, data storage management, monitoring of tightening results, overlaying torque curves, displaying cursor coordinates, and managing I/O allocation.

Languages : Japanese, English, Chinese, Korean
OS : Windows11, Windows10

Data Logger

ESW-DL

Dedicated software designed to automatically log tightening data through Ethernet connection. The acquired data, including torque waveforms, are sequentially recorded in a database, and presented on the screen. Additionally, batch output can be scheduled and set with the acquired tightening results prepared in CSV or Excel file formats, facilitating a streamlined generation of reports.

ESTIC

Optimize Manufacturing Processes with Advanced Industry 4.0 Tools

WLAN 5 GHz 2.4 GHz

Cordless Nutrunner

Handy 2000 Cordless 2
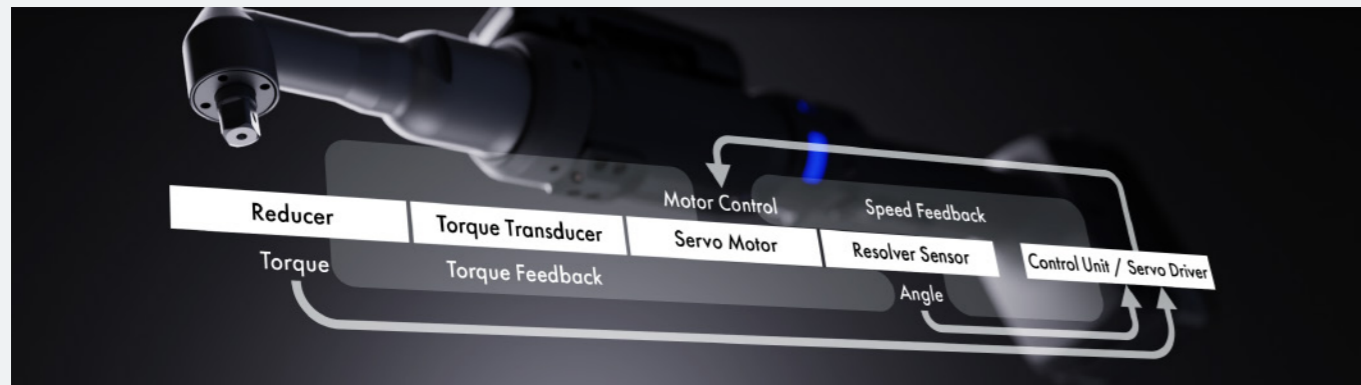
Contents and data of this product are subject to change without notice.

2312 ESNN 000EN

Introducing the Next Generation

The expanded memory and improved communication performance enable smooth fastening operations while maintaining high-precision fastening quality during communication with the MIF or a host PC. Fastening results can be stored in the tool's internal memory.

Option Button
Flashlight
Reverse Switch
Start Trigger
Status LED
Wireless LED
Reverse Switch
Flashlight
Status LED
Option Button
Start Trigger
Wireless LED
Battery LED
Battery LED

Reducer | Torque Transducer | Servo Motor | Resolver Sensor | Control Unit / Servo Driver
Motor Control | Speed Feedback
Torque | Torque Feedback | Angle

The tool has a built-in control/driver which provides feedback control every half millisecond. Even with wireless operation, high tightening accuracy equivalent to that of a wired nutrunner can be achieved.
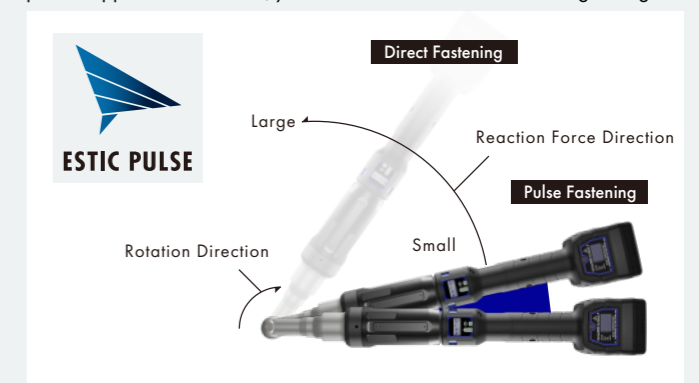
5GHz and 2.4GHz Compatibility

The MIF Controller offers WLAN support in both 5GHz and 2.4GHz frequencies. Our lightning-fast MIF series transmits results to the PC software in just few seconds. Select network configurations for an interference-free operation.

Download
Upload
Verify

about **2** sec.

MIF
Master Interface Unit

PC

Significantly Reduce Reaction Torque
A Breakthrough in Operator Safety

Our pioneering Pulse Technology introduces a solution for minimizing operator strain. Instead of continuous momentum, which creates a large reaction force, our Pulse Technology breaks the force up into fractions of a second by acting like a hammer making small taps. The user receives little reaction force in response and the system records torque data every 1/2000th of a second for a precise approach. As a result, you can achieve safe and accurate tightening.

ESTIC PULSE

Direct Fastening
Large
Reaction Force Direction
Pulse Fastening
Rotation Direction
Small

Convenient Display and Barcode Scanner

The AIM kit (optional) has a 1.5-inch display that allows a user to quickly check fastening status. Easily link workpiece serials with fastening results and select fastening programs from barcode data.

Scanner

ESTIC
Not equipped with UWB tag

Tool Info
Comm Settings
Diagnosis
Initialize

1.5 inch Display

Key Pad

Tightening Result Display Screen

JB: 3 / CH: 56
OK   3/ 56
T: 20.05 Nm
A: 30.5 deg
«

System Error Screen

Err No. E111
Tool Mismatch
«

Connect Up to 10 Tools

Pair up to 10 tools to a single MIF controller and effortlessly manage the connected tools and tightening data. Create up to 250 fastening programs with ease.

WS 3
WS 2
WS 1

Collect and Report Result Data to a Host Server

IIoT

Data Logger

Access Point

MIF
Master Interface Unit

Factory Management System

PLC
Line Control
Lamp & Buzzer

Access Point

MIF
Master Interface Unit

Management Software