Handy 2000 Series

GENERAL CATALOG vol.2

ESTIC

ESTIC
Fastening Solutions

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2112 ESPR 320EN

Fastening Solutions

ESTIC is a highly acclaimed provider of state-of-the-art nutrunner systems for the automotive and aircraft industries and beyond.
The name, ESTIC, reflects our commitment to creating electric servo technology that delivers exceptional performance.
As part of this, our mission is to provide top-quality, reliable fastening solutions for all types of torque tightening needs. ESTIC developed its first electric handheld nutrunner for commercial use almost twenty years ago and has been evolving ever since.
Today, the manufacturing industries we serve are undergoing major changes, as indicated by current trends in IoT and Industry 4.0.
To adapt to these new challenges and to continue meeting our customers' demands, we promise to deliver products and services that always exceed expectations, while building an ever-stronger bond with our customers through the ESTIC brand.

Handy 2000 Series

The ESTIC Group is a pioneer in pulse fastening technology and a global leader in innovation for the fastening industry. At ESTIC, we strive for the ultimate level of user-friendliness by meeting our clients' demands for products that are light, fast, and easy to use. Here, in our Handy 2000 Series of electric handheld nutrunners, we offer the perfect expression of this ambition in what is ESTIC's foremost brand.

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Direct Technology

1N·m–600N·m

Whether for engines, transmissions, or EV batteries, our high-speed, high-precision direct fastening technology provides reliable traceability and steadfast support for those critical parts and components that demand optimal accuracy and repeatability.
Combine with a tracer arm for a user-friendly fastening setup with no reaction force.
Use a direct-only tool to execute high-torque fastening where pulse technology cannot be used.

ISO 5393

Traceability

The fastening performance of the nutrunner is evaluated with inspection equipment that complies with the international standard ISO5393 and an inspection report is issued with each tool.

ISO 9001

High-level Quality Control

Handy 2000 Series are manufactured according to ISO9001 and supplied and serviced with the international standard level.

A/D CONVERSION

High-speed Sampling and Response

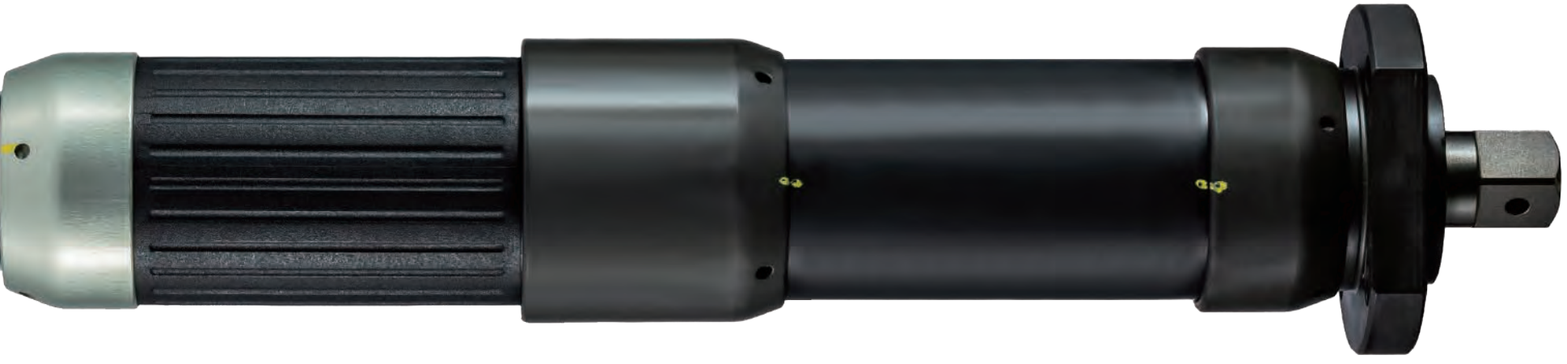
The torque and angle readings are monitored every 1/2000 second to control the target values.

Pistol Tools

1N·m-120N·m Torque Range

Right Angle Tools

4N·m-600N·m Torque Range



Straight Tools

1N·m-420N·m Torque Range

Pulse Technology

Eliminate Torque Reaction Devices

Thanks to ESTIC's patented motor control system, our pulse fastening technology has achieved an unprecedented reduction in reaction forces. Torque data is continuously processed every 1/2000 of a second to control the overall fastening strength and ensure safe and highly accurate tightening with minimal reaction force. What's more, the tool's ergonomic design and advanced pulse fastening technology allow for single-handed operation in certain situations, dramatically reducing the strain placed on the operator.

ESTIC PULSE

Patented in Japan, USA and China

01

Pulse Fastening

By tightening using intermittent impact force like hitting with a hammer, users receive little reaction force.

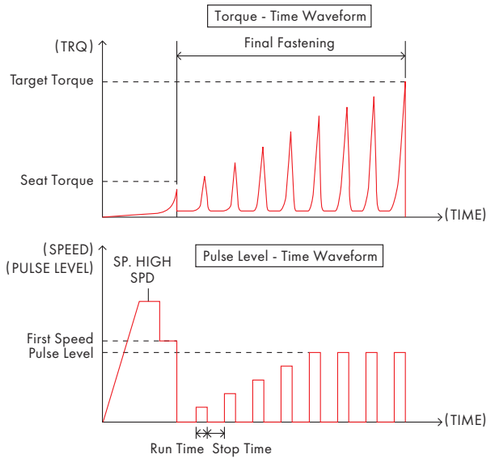
02

Direct Fastening

Tightening by continuous motion,
users receive a large reaction force.

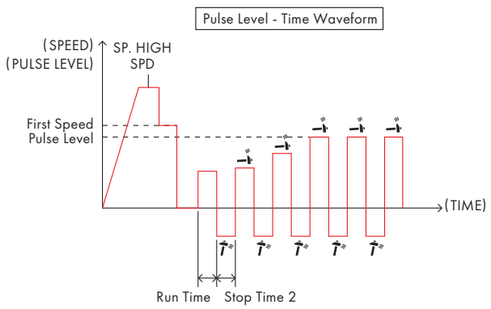
HS High Speed

ESTIC PULSE HS has been outfitted with a proprietary motor control mechanism to achieve accelerated pulse operations. This dedicated high-speed pulse fastening model comes equipped with both a high-speed 200V AC boost mode and a dramatically-improved 100V AC standard fastening mode to deliver the exact speed and torque you require.

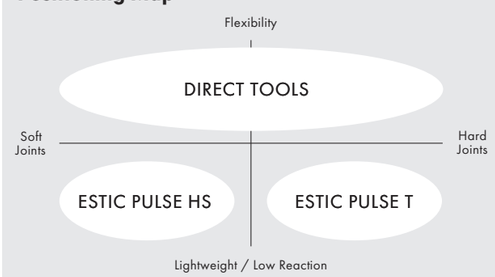


T For Hard Joints

Incorporating the latest technology, ESTIC PULSE T is fitted with an original hammer mechanism that allows torque control by adjusting the hammer's impact strength. This model achieves unprecedented usability with a lighter and smaller body and a dramatic reduction in reaction forces through our signature pulse technology.



Positioning Map



Cordless

Micro

Technology

Exceptional Quality and Ease of Use

ESTIC is committed to improving both the quality and ease of the bolt fastening process. Thanks to ESTIC's cordless technology, one can achieve the same degree of fastening precision as corded systems, all while remaining mobile. Eliminate troublesome cables when fastening hard-to-reach parts around a vehicle's wheels or when tightening interior components such as seat belts. Of course, our high-speed pulse fastening technology is included in the cordless product line. Let our cordless technology revolutionize your production processes.

Features

- Wireless Communication
- Lightweight
- ESTIC PULSE Models Available

Technology

Minimum Torque 0.1N·m

An ever-growing number of small screws are being used to fasten electronic components in the automotive, aircraft, and aerospace industries. For critical security parts such as sensors, cables, and airbags, traceability is essential, even at low torque. Handy 2000 Micro, the latest model in our Handy 2000 Series, meets this demand with torque rates down to 0.1N·m.

Features

- ESD Safe

Detectable Fastening Errors

- Cross-thread
- Missing Screw
- Jammed Parts
- Floating Screw
- Damaged Thread
- Unfastened
- Missing Parts
- Broken Screw

Control Station

The Handy 2000 Series Controller is a control station that provides powerful assembly support. It controls not only the tool itself but also various accessories while communicating with the host network. Experience the pinnacle of productivity, quality and user-friendliness.

Tool Control

This ensures the connected tool is functioning correctly and delivering precision fastening.

Accessory Control

Improve the productivity of production processes by connecting various useful accessories.

/ Socket Tray
/ NET I/O
/ Signal Tower
/ Barcode Reader
/ Touch Panel Display
/ Serial Printer

Communication Control with Host Network

Simple and seamless integration with the main production system.

/ Industrial Ethernet
/ Fieldbus
/ Open Protocol
/ Other Protocols

Handy 2000 Lite plus

This is the entry level model for the Handy 2000 Series. The display panel comes equipped with large 7-segment LEDs for improved visibility, and green and red color-coded judgement indicators to clearly inform the operator if all is okay (green) or something is not within specifications (red).

Handy 2000 Touch

This advanced model improves upon the performance of the Light plus with increased storage capacity and the addition of a touch panel for intuitive operation. The operator can also easily enter or change precise settings and values from the face of the controller.

Handy 2000 Cordless

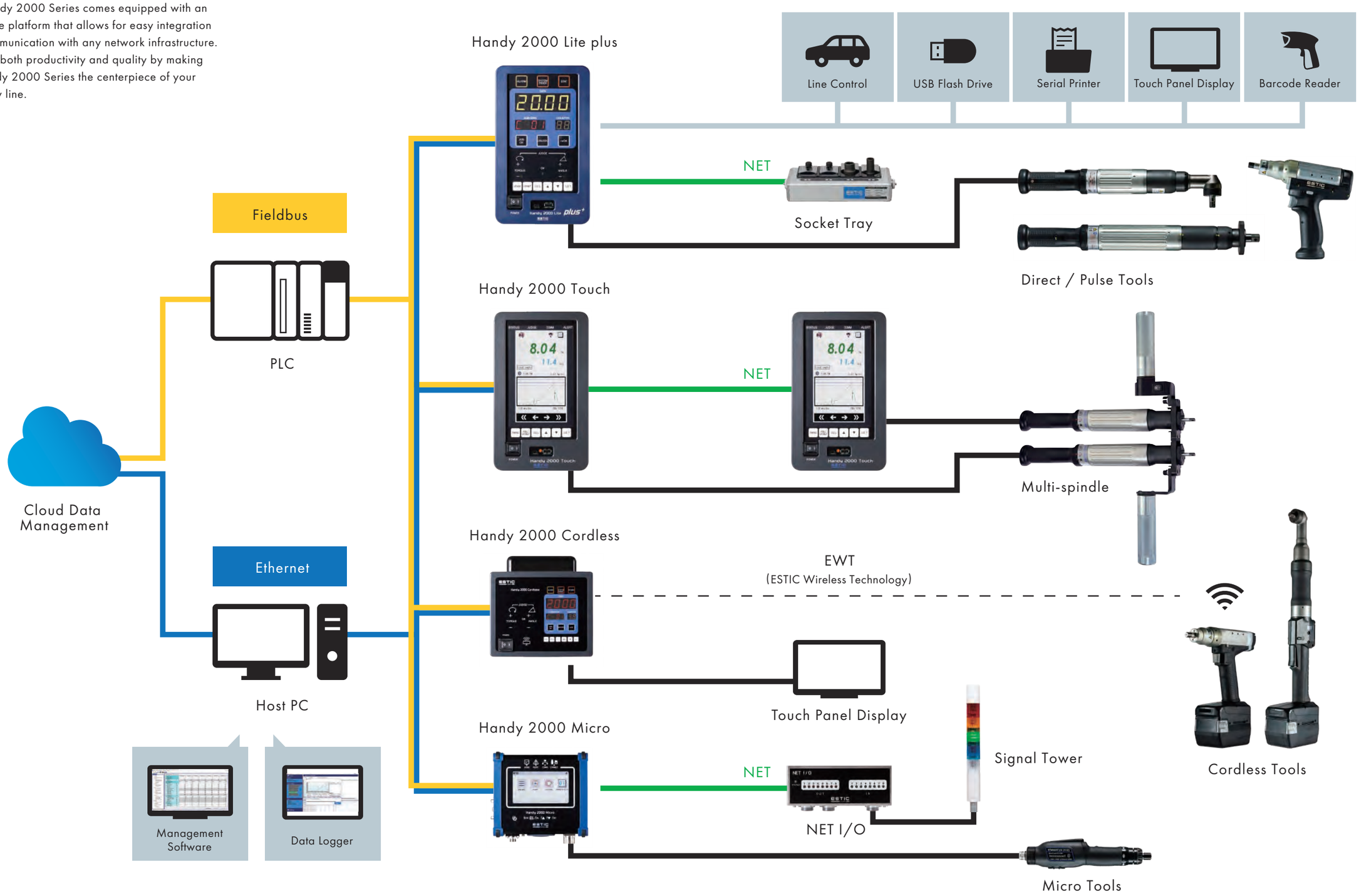
A dedicated interface unit for cordless tools; this model features EWT wireless transmission technology, which complies with the international standards set forth under IEEE 802.15.4. Tools can be set up quickly and easily through infrared communication.

Handy 2000 Micro

A dedicated controller for micro tools; the 4.3-inch color touch panel features a compact design with all of the network functionality of our other controller models. Top of the line in its industry, this model achieves exceptional performance and easy operation in a compact packaging.

Communication Techno logy

Our Handy 2000 Series comes equipped with an all-in-one platform that allows for easy integration and communication with any network infrastructure. Improve both productivity and quality by making the Handy 2000 Series the centerpiece of your assembly line.

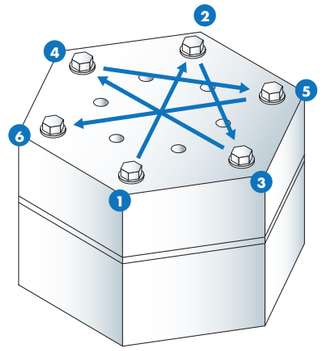


Tracer Arm

Smart Arm Solution

ESTIC's smart support arm not only cancels out reaction forces during fastening but also provides guidance on the positioning and order of fastening. Thanks to the support arm's smart functionality, you will never have to worry about untightened screws and bolts, or the fastening order and position again.

Fastening Sequence



STEP

#01 CH1 Pretightening with 21 N·m at 6 locations

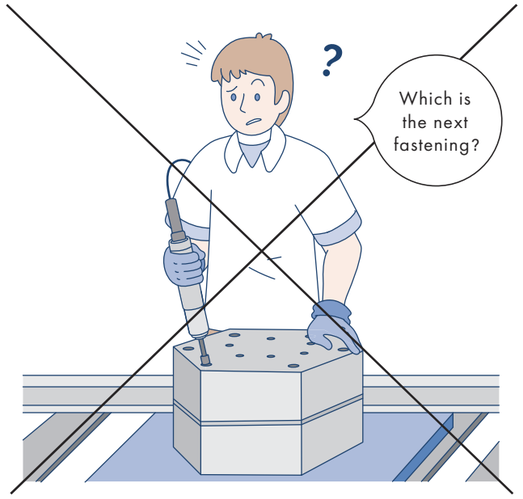
START ▸ 1 ▸ 2 ▸ 3 ▸ 4 ▸ 5 ▸ 6 END

#02 CH2 Loosening with 90 degrees at 6 locations

START ▸ 1 ▸ 2 ▸ 3 ▸ 4 ▸ 5 ▸ 6 END

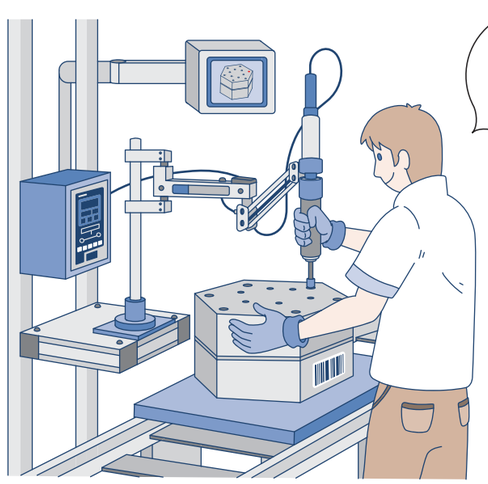
#03 CH3 Final tightening with 49 N·m at 6 locations

START ▸ 1 ▸ 2 ▸ 3 ▸ 4 ▸ 5 ▸ 6 END



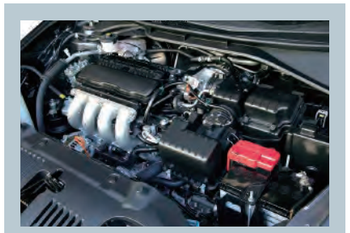
Without a Tracer Arm

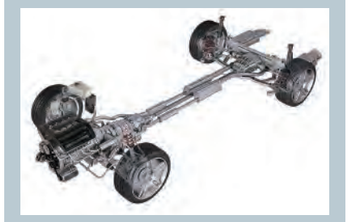
When fastening, operator errors such as incomplete fastening, fastening the incorrect position, or fastening in the incorrect sequence can occur. And tool maneuverability may be difficult, causing operator tool handling concerns.

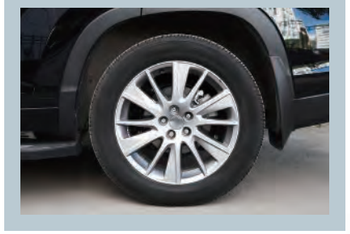


Using a Tracer Arm

By detecting the location of the tool at all times, our Tracer Arm error proofing system (pokayoke) enables total control over the fastening sequence and eliminates the possibility of tightening mistakes. This provides better operator tool handling and ergonomics.







Engine Assembly
— Intake Manifold —
— Exhaust Manifold —

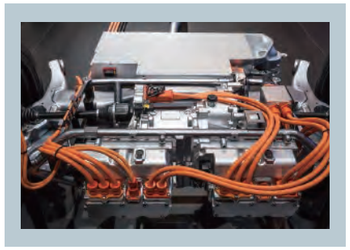
Suspension Assembly
— Front Suspension Arm —
— Rear Suspension Arm —

Electric Power Steering Assembly

Tire Mounting

Direct / Pulse Technology

Micro Technology



Transaxle Assembly

Battery Assembly

Power Control Unit Assembly

Harness Mounting

Steering Mounting

Seat Belt Mounting

Seat Mounting

Cordless Technology

Applications and Solutions

In the automotive industry, the tools we select for our assembly operations have a dramatic impact on overall productivity and quality. With ESTIC, you can flexibly choose from an extensive array of cordless and corded models that cover a wide range of torque values and tool configurations such as pistol, right angle and straight. All of our tools are able to link up with any of ESTIC's control stations; thereby, ensuring reliable traceability and safe storage of all relevant fastening data.

Custom-made Solutions

Open End

Crowfoot Gear

Flush Socket

Closed End

Multiplier Unit (400N·m)

Reaction Bar Unit

Trombone

Multi-spindle

Multiplier Unit (1300N·m)

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Torque Range Quick Reference Chart

Handy 2000 Lite plus

Handy 2000 Touch

DIRECT TOOLS

Type	Model	Torque Range N·m	Torque Range ft·lb	Pulse Drive
Right Angle	EH2-R1020-A	4-20	3.0-14.8	✓
	EH2-R1030-A	6-30	4.4-22.1	✓
	EH2-R2050-A	10-50	7.4-36.9	✓
	EH2-R2080-A	16-80	11.8-59.0	✓
	EH2-R2120-A	24-120	17.7-88.5	✓
	EH2-R2180-A	36-180	26.6-132.8	✓
	EH2-R3270-A	54-270	39.8-199.1	
	EH2-R3370-A	74-370	54.6-273.0	
	EH2-R3450-A	90-450	66.4-331.9	
	EH2-R3600-A	120-600	88.5-442.5	
Straight	EH2-R0005-SL/SP/SC	1-5	0.7-3.7	✓
	EH2-R0010-SL/SP/SC	2-10	1.5-7.4	✓
	EH2-R1016-S	3.2-16	2.4-11.8	✓
	EH2-R1020-S	4-20	3.0-14.8	✓
	EH2-R2035-S	7-35	5.2-25.8	✓
	EH2-R2055-S	11-55	8.1-40.6	✓
	EH2-R2085-S	17-85	12.5-62.7	✓
	EH2-R2120-S	24-120	17.7-88.5	✓
	EH2-R3200-S	40-200	29.5-147.5	
	EH2-R3260-S	52-260	38.4-191.8	
	EH2-R3320-S	64-320	47.2-236.0	
	EH2-R3420-S	84-420	62.0-309.8	
Pistol	EH2-R0005-P	1-5	0.7-3.7	✓
	EH2-R0010-P	2-10	1.5-7.4	✓
	EH2-R1016-P/PH	3.2-16	2.4-11.8	✓
	EH2-R1020-P/PH	4-20	3.0-14.8	✓
	EH2-R2085-PH	17-85	12.5-62.7	
	EH2-R2120-PH	24-120	17.7-88.5	

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 200 300 400 500 600 700
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 147.5 221.3 295.0 368.8 442.5 516.3

* Depending on the torque band, a torque reaction device may be required.

PULSE TOOLS [ESTIC PULSE HS] High Speed

Type	Model	Torque Range N·m	Torque Range ft·lb
Right Angle	EH2-H0020-A	4-20	3.0-14.8
	EH2-H1070-A	14-70	10.3-51.6
	EH2-H2100-A	20-100	14.8-73.8
	EH2-H2140-A	28-140	20.7-103.3
Pistol	EH2-H0015-P	3-15	2.2-11.1
	EH2-H1030-P	6-30	4.4-22.1
	EH2-S1050-P	10-50	7.4-36.9

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 200 300 400 500 600 700
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 147.5 221.3 295.0 368.8 442.5 516.3

PULSE TOOLS [ESTIC PULSE T] For Hard Joints

Type	Model	Torque Range N·m	Torque Range ft·lb
Right Angle	EH2-T0040-A	8-40	5.9-29.5
Pistol	EH2-T0050-P	10-50	7.4-36.9
	EH2-T0070-P	14-70	10.3-51.6

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 200 300 400 500 600 700
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 147.5 221.3 295.0 368.8 442.5 516.3

DIRECT & PULSE　DIRECT Only　PULSE Only　Recommended Use Range

Handy 2000 Cordless

DIRECT TOOLS

Type	Model	Torque Range N·m	Torque Range ft·lb	Pulse Drive
Right Angle	EHC-R1030-AZ1/2	6-30	4.4-22.1	
	EHC-R1050-AZ1/2	10-50	7.4-36.9	
	EHC-R1065-AZ1/2	13-65	9.6-47.9	
	EHC-R1090-AZ1/2	18-90	13.3-66.4	
Pistol	EHC-R0005-PZ1/2	1-5	0.7-3.7	✓
	EHC-R0008-PZ1/2	1.6-8	1.2-5.9	✓
	EHC-R0012-PZ1/2	2.4-12	1.8-8.9	✓

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 81.1 88.5 95.9 103.3 110.6 118.0

* Depending on the torque band, a torque reaction device may be required.

PULSE TOOLS [ESTIC PULSE HS] High Speed

Type	Model	Torque Range N·m	Torque Range ft·lb
Pistol	EHC-L0026-PZ1/2	5.2-26	3.8-19.2

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 81.1 88.5 95.9 103.3 110.6 118.0

PULSE TOOLS [ESTIC PULSE T] For Hard Joints

Type	Model	Torque Range N·m	Torque Range ft·lb
Right Angle	EHC-T0020-AZ1/2	4-20	3.0-14.8
	EHC-T0040-AZ1/2	8-40	5.9-29.5
	EHC-T0070-AZ1/2	14-70	10.3-51.6
	EHC-T2100-AZ1/2	20-100	14.8-73.8

Torque Range (N·m): 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160
Torque Range (ft·lb): 0.0 7.4 14.8 22.1 29.5 36.9 44.3 51.6 59.0 66.4 73.8 81.1 88.5 95.9 103.3 110.6 118.0

DIRECT & PULSE　DIRECT Only　PULSE Only　Recommended Use Range

Handy 2000 Micro

DIRECT TOOLS

Type	Model	Torque Range mN·m	Torque Range in·lb
Straight	EH2-RA1000-SNL/SNP/SRL	100-1000	0.89-8.85
	EH2-RA2000-SNL/SNP/SRL	200-2000	1.77-17.70
	EH2-RA5000-SNL/SNP/SRL	500-5000	4.43-44.26

Torque Range (mN·m): 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000
Torque Range (in·lb): 0.00 4.43 8.85 13.28 17.70 22.13 26.56 30.98 35.40 39.83 44.26 48.68 53.10

DIRECT Only　Recommended Use Range

Tool List

CAD data can be downloaded from our website.
https:// www.estic2.com/caddata/

Handy 2000 Lite plus / Handy 2000 Touch

Type		Model	Torque Range		Max. Speed (rpm)		Drive Shaft		Weight		Length		Pulse Drive
			N·m	ft·lb	200V AC Input *1	100V AC Input	mm	in	kg	lb	mm	in	
DIRECT TOOLS	Right Angle	EH2-R1020-A	4-20	3.0-14.8	1541	1027	9.5 sq	3/8	1.4	3.09	386	15.2	✓
		EH2-R1020-A(PP)	4-20	3.0-14.8	1541	1027	9.5 sq	3/8	1.4	3.09	386	15.2	✓
		EH2-R1020-A(BP)	4-20	3.0-14.8	1541	1027	9.5 sq	3/8	1.4	3.09	386	15.2	✓
		EH2-R1030-A	6-30	4.4-22.1	1053	702	9.5 sq	3/8	1.5	3.31	393	15.5	✓
		EH2-R1030-A(PP)	6-30	4.4-22.1	1053	702	9.5 sq	3/8	1.5	3.31	393	15.5	✓
		EH2-R1030-A(BP)	6-30	4.4-22.1	1053	702	9.5 sq	3/8	1.5	3.31	393	15.5	✓
		EH2-R2050-A	10-50	7.4-36.9	1169	779	9.5 sq	3/8	2.1	4.63	433	17.0	✓
		EH2-R2050-A(PP)	10-50	7.4-36.9	1169	779	9.5 sq	3/8	2.1	4.63	433	17.0	✓
		EH2-R2050-A(BP)	10-50	7.4-36.9	1169	779	9.5 sq	3/8	2.1	4.63	433	17.0	✓
		EH2-R2080-A	16-80	11.8-59.0	720	480	12.7 sq	1/2	2.5	5.51	466	18.3	✓
		EH2-R2080-A(PP)	16-80	11.8-59.0	720	480	12.7 sq	1/2	2.5	5.51	466	18.3	✓
		EH2-R2080-A(BP)	16-80	11.8-59.0	720	480	12.7 sq	1/2	2.5	5.51	466	18.3	✓
		EH2-R2120-A	24-120	17.7-88.5	404	269	12.7 sq	1/2	3.0	6.61	514	20.2	✓
		EH2-R2120-A(PP)	24-120	17.7-88.5	404	269	12.7 sq	1/2	3.0	6.61	514	20.2	✓
		EH2-R2120-A(BP)	24-120	17.7-88.5	404	269	12.7 sq	1/2	3.0	6.61	514	20.2	✓
		EH2-R2180-A	36-180	26.6-132.8	276	184	19.0 sq	3/4	3.2	7.05	538	21.2	✓
		EH2-R3270-A	54-270	39.8-199.1	265	132	19.0 sq	3/4	7.7	16.98	625	24.6	
		EH2-R3370-A	74-370	54.6-273.0	207	103	19.0 sq	3/4	7.7	16.98	625	24.6	
		EH2-R3450-A	90-450	66.4-331.9	172	86	25.4 sq	1	10.5	23.15	659	25.9	
		EH2-R3600-A	120-600	88.5-442.5	126	63	25.4 sq	1	10.5	23.15	659	25.9	
	Straight	EH2-R0005-SL	1-5	0.7-3.7	2543	1695	Hex 6.35	1/4	1.2	2.65	296	11.7	✓
		EH2-R0005-SP	1-5	0.7-3.7	2543	1695	Hex 6.35	1/4	1.2	2.65	296	11.7	✓
		EH2-R0005-SC	1-5	0.7-3.7	2543	1695	9.5 sq	3/8	1.1	2.43	228	9.0	✓
		EH2-R0010-SL	2-10	1.5-7.4	1415	943	Hex 6.35	1/4	1.2	2.65	296	11.7	✓
		EH2-R0010-SP	2-10	1.5-7.4	1415	943	Hex 6.35	1/4	1.2	2.65	296	11.7	✓
		EH2-R0010-SC	2-10	1.5-7.4	1415	943	9.5 sq	3/8	1.1	2.43	228	9.0	✓
		EH2-R1016-S	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.3	2.87	344	13.5	✓
		EH2-R1020-S	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.3	2.87	344	13.5	✓
		EH2-R2035-S	7-35	5.2-25.8	1754	1169	9.5 sq	3/8	2.0	4.41	406	16.0	✓
		EH2-R2055-S	11-55	8.1-40.6	1080	720	12.7 sq	1/2	2.2	4.85	431	17.0	✓
		EH2-R2085-S	17-85	12.5-62.7	605	403	12.7 sq	1/2	2.4	5.29	448	17.6	✓
		EH2-R2120-S	24-120	17.7-88.5	438	292	12.7 sq	1/2	2.5	5.51	448	17.6	✓
		EH2-R3200-S	40-200	29.5-147.5	397	198	19.0 sq	3/4	6.0	13.23	548	21.6	
		EH2-R3260-S	52-260	38.4-191.8	311	155	19.0 sq	3/4	6.0	13.23	548	21.6	
		EH2-R3320-S	64-320	47.2-236.0	258	129	19.0 sq	3/4	6.5	14.33	548	21.6	
		EH2-R3420-S	84-420	62.0-309.8	189	94	19.0 sq	3/4	6.5	14.33	548	21.6	
	Pistol	EH2-R0005-P	1-5	0.7-3.7	2543	1695	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R0005-P(PP)	1-5	0.7-3.7	2543	1695	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R0005-P(BP)	1-5	0.7-3.7	2543	1695	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R0010-P	2-10	1.5-7.4	1415	943	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R0010-P(PP)	2-10	1.5-7.4	1415	943	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R0010-P(BP)	2-10	1.5-7.4	1415	943	9.5 sq	3/8	1.1	2.43	202	8.0	✓
		EH2-R1016-P	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1016-P(PP)	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1016-P(BP)	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1016-PH	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1016-PH(PP)	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1016-PH(BP)	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-P	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-P(PP)	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-P(BP)	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-PH	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-PH(PP)	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R1020-PH(BP)	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.4	3.09	220	8.7	✓
		EH2-R2085-PH	17-85	12.5-62.7	605	403	12.7 sq	1/2	2.7	5.95	335	13.2	
		EH2-R2120-PH	24-120	17.7-88.5	438	292	12.7 sq	1/2	2.8	6.17	335	13.2	

*1 Max. speed is available only when using the parameter "SP. HIGH SPD" .

Type		Model	Torque Range		Max. Speed (rpm)		Drive Shaft		Weight		Length		Pulse Drive
			N·m	ft·lb	200V AC Input *1	100V AC Input	mm	in	kg	lb	mm	in	
PULSE TOOLS [ESTIC PULSE HS]	Right Angle	EH2-H0020-A	4-20	3.0-14.8	1540	1027	9.5 sq	3/8	1.2	2.65	366	14.4	✓
		EH2-H0020-A(PP)	4-20	3.0-14.8	1540	1027	9.5 sq	3/8	1.2	2.65	366	14.4	✓
		EH2-H0020-A(BP)	4-20	3.0-14.8	1540	1027	9.5 sq	3/8	1.2	2.65	366	14.4	✓
		EH2-H1070-A	14-70	10.3-51.6	1500	1000	12.7 sq	1/2	2.0	4.41	426	16.8	✓
		EH2-H1070-A(PP)	14-70	10.3-51.6	1500	1000	12.7 sq	1/2	2.0	4.41	426	16.8	✓
		EH2-H1070-A(BP)	14-70	10.3-51.6	1500	1000	12.7 sq	1/2	2.0	4.41	426	16.8	✓
		EH2-H2100-A	20-100	14.8-73.8	1125	750	12.7 sq	1/2	2.8	6.17	500	19.7	✓
		EH2-H2100-A(PP)	20-100	14.8-73.8	1125	750	12.7 sq	1/2	2.8	6.17	500	19.7	✓
		EH2-H2100-A(BP)	20-100	14.8-73.8	1125	750	12.7 sq	1/2	2.8	6.17	500	19.7	✓
		EH2-H2140-A	28-140	20.7-103.3	753	500	19.0 sq	3/4	3.3	7.28	524	20.6	✓
		EH2-H2140-A(PP)	28-140	20.7-103.3	753	500	19.0 sq	3/4	3.3	7.28	524	20.6	✓
	Pistol	EH2-H0015-P	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.2	2.65	204	8.0	✓
		EH2-H0015-P(PP)	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.2	2.65	204	8.0	✓
		EH2-H0015-P(BP)	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.2	2.65	204	8.0	✓
		EH2-H1030-P	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.4	3.09	223	8.8	✓
		EH2-H1030-P(PP)	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.4	3.09	223	8.8	✓
		EH2-H1030-P(BP)	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.4	3.09	223	8.8	✓
		EH2-S1050-P	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.7	3.75	252	9.9	✓
		EH2-S1050-P(PP)	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.7	3.75	252	9.9	✓
		EH2-S1050-P(BP)	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.7	3.75	252	9.9	✓
PULSE TOOLS [ESTIC PULSE T]	Right Angle	EH2-T0040-A	8-40	5.9-29.5	1885	1257	9.5 sq	3/8	1.7	3.75	383	15.1	✓
		EH2-T0040-A(PP)	8-40	5.9-29.5	1885	1257	9.5 sq	3/8	1.7	3.75	383	15.1	✓
		EH2-T0040-A(BP)	8-40	5.9-29.5	1885	1257	9.5 sq	3/8	1.7	3.75	383	15.1	✓
	Pistol	EH2-T0050-P	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.5	3.31	223	8.8	✓
		EH2-T0050-P(PP)	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.5	3.31	223	8.8	✓
		EH2-T0050-P(BP)	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.5	3.31	223	8.8	✓
		EH2-T0070-P	14-70	10.3-51.6	1432	954	12.7sq	1/2	1.6	3.53	227	8.9	✓
		EH2-T0070-P(PP)	14-70	10.3-51.6	1432	954	12.7sq	1/2	1.6	3.53	227	8.9	✓
		EH2-T0070-P(BP)	14-70	10.3-51.6	1432	954	12.7sq	1/2	1.6	3.53	227	8.9	✓

*1 Max. speed is available only when using the parameter "SP. HIGH SPD" .

Top-mounted Cable

Type		Model	Torque Range		Max. Speed (rpm)		Drive Shaft		Weight		Length		Pulse Drive
			N·m	ft·lb	200V AC Input *1	100V AC Input	mm	in	kg	lb	mm	in	
DIRECT TOOLS	Pistol	EH2-R1016-P-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1016-P(PP)-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1016-P(BP)-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1016-PH-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1016-PH(PP)-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1016-PH(BP)-T	3.2-16	2.4-11.8	1871	1247	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-P-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-P(PP)-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-P(BP)-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-PH-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-PH(PP)-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R1020-PH(BP)-T	4-20	3.0-14.8	1580	1053	9.5 sq	3/8	1.5	3.31	246	9.7	✓
		EH2-R2085-PH-T	17-85	12.5-62.7	605	403	12.7 sq	1/2	2.8	6.17	361	14.2	
		EH2-R2120-PH-T	24-120	17.7-88.5	438	292	12.7 sq	1/2	2.9	6.39	361	14.2	
PULSE TOOLS [ESTIC PULSE HS]	Pistol	EH2-H0015-P-T	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.3	2.87	229	9.0	✓
		EH2-H0015-P(PP)-T	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.3	2.87	229	9.0	✓
		EH2-H0015-P(BP)-T	3-15	2.2-11.1	3075	2000	9.5 sq	3/8	1.3	2.87	229	9.0	✓
		EH2-H1030-P-T	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.5	3.31	249	9.8	✓
		EH2-H1030-P(PP)-T	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.5	3.31	249	9.8	✓
		EH2-H1030-P(BP)-T	6-30	4.4-22.1	3075	2000	9.5 sq	3/8	1.5	3.31	249	9.8	✓
		EH2-S1050-P-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.8	3.97	278	10.9	✓
		EH2-S1050-P(PP)-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.8	3.97	278	10.9	✓
		EH2-S1050-P(BP)-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.8	3.97	278	10.9	✓
PULSE TOOLS [ESTIC PULSE T]	Pistol	EH2-T0050-P-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.6	3.53	248	9.8	✓
		EH2-T0050-P(PP)-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.6	3.53	248	9.8	✓
		EH2-T0050-P(BP)-T	10-50	7.4-36.9	2121	1400	12.7 sq	1/2	1.6	3.53	248	9.8	✓

*1 Max. speed is available only when using the parameter "SP. HIGH SPD" .

Remodeled Pistol

Type		Model	Torque Range		Max. Speed (rpm)		Drive Shaft		Weight		Length		Pulse Drive
			N·m	ft·lb	200V AC Input *1	100V AC Input	mm	in	kg	lb	mm	in	
DIRECT TOOLS	Pistol	EH2-R2035-S(PH)	7-35	5.2-25.8	1754	1169	9.5sq	3/8	2.3	5.07	293	11.5	✓
		EH2-R2055-S(PH)	11-55	8.1-40.6	1080	720	12.7sq	1/2	2.5	5.51	318	12.5	✓

*1 Max. speed is available only when using the parameter "SP. HIGH SPD" .

Tool List

CAD data can be downloaded from our website.
https://www.estic2.com/caddata/

Handy 2000 Cordless

Type		Model *1	Torque Range N·m	Torque Range ft·lb	Max. Speed (rpm)	Drive Shaft mm	Drive Shaft in	Weight *2 kg	Weight *2 lb	Length mm	Length in	Battery Pack	Pulse Drive
DIRECT TOOLS	Right Angle	EHC-R1030-AZ1 or 2	6-30	4.4-22.1	393	9.5 sq	3/8	2.0	4.41	566	22.3	BPL-3620ES	
		EHC-R1030-AZ1 or 2(PP)	6-30	4.4-22.1	393	9.5 sq	3/8	2.0	4.41	566	22.3		
		EHC-R1030-AZ1 or 2(BP)	6-30	4.4-22.1	393	9.5 sq	3/8	2.0	4.41	566	22.3		
		EHC-R1050-AZ1 or 2	10-50	7.4-36.9	215	9.5 sq	3/8	2.3	5.07	581	22.9		
		EHC-R1050-AZ1 or 2(PP)	10-50	7.4-36.9	215	9.5 sq	3/8	2.3	5.07	581	22.9		
		EHC-R1050-AZ1 or 2(BP)	10-50	7.4-36.9	215	9.5 sq	3/8	2.3	5.07	581	22.9		
		EHC-R1065-AZ1 or 2	13-65	9.6-47.9	166	12.7 sq	1/2	3.0	6.61	613	24.1		
		EHC-R1065-AZ1 or 2(PP)	13-65	9.6-47.9	166	12.7 sq	1/2	3.0	6.61	613	24.1		
		EHC-R1065-AZ1 or 2(BP)	13-65	9.6-47.9	166	12.7 sq	1/2	3.0	6.61	613	24.1		
		EHC-R1090-AZ1 or 2	18-90	13.3-66.4	117	12.7 sq	1/2	3.2	7.05	647	25.5		
		EHC-R1090-AZ1 or 2(PP)	18-90	13.3-66.4	117	12.7 sq	1/2	3.2	7.05	647	25.5		
		EHC-R1090-AZ1 or 2(BP)	18-90	13.3-66.4	117	12.7 sq	1/2	3.2	7.05	647	25.5		
	Pistol	EHC-R0005-PZ1 or 2	1-5	0.7-3.7	1440	9.5 sq	3/8	1.3	2.87	217	8.5	BPL-2520ES	✓
		EHC-R0008-PZ1 or 2	1.6-8	1.2-5.9	936	9.5 sq	3/8	1.3	2.87	217	8.5		✓
		EHC-R0012-PZ1 or 2	2.4-12	1.8-8.9	638	9.5 sq	3/8	1.3	2.87	217	8.5		✓
PULSE TOOLS [ESTIC PULSE HS]	Pistol	EHC-L0026-PZ1 or 2	5.2-26	3.8-19.2	936	9.5 sq	3/8	1.6	3.53	241	9.5	BPL-2520ES	✓
		EHC-L0026-PZ1 or 2(PP)	5.2-26	3.8-19.2	936	9.5 sq	3/8	1.6	3.53	241	9.5		✓
PULSE TOOLS [ESTIC PULSE T]	Right Angle	EHC-T0020-AZ1 or 2	4-20	3.0-14.8	1029	9.5 sq	3/8	1.9	4.19	539	21.2	BPL-3620ES	✓
		EHC-T0020-AZ1 or 2(PP)	4-20	3.0-14.8	1029	9.5 sq	3/8	1.9	4.19	539	21.2		✓
		EHC-T0020-AZ1 or 2(BP)	4-20	3.0-14.8	1029	9.5 sq	3/8	1.9	4.19	539	21.2		✓
		EHC-T0040-AZ1 or 2	8-40	5.9-29.5	844	9.5 sq	3/8	2.2	4.85	552	21.7		✓
		EHC-T0040-AZ1 or 2(PP)	8-40	5.9-29.5	844	9.5 sq	3/8	2.2	4.85	552	21.7		✓
		EHC-T0040-AZ1 or 2(BP)	8-40	5.9-29.5	844	9.5 sq	3/8	2.2	4.85	552	21.7		✓
		EHC-T0070-AZ1 or 2	14-70	10.3-51.6	581	12.7 sq	1/2	2.8	6.17	580	22.8		✓
		EHC-T0070-AZ1 or 2(PP)	14-70	10.3-51.6	581	12.7 sq	1/2	2.8	6.17	580	22.8		✓
		EHC-T0070-AZ1 or 2(BP)	14-70	10.3-51.6	581	12.7 sq	1/2	2.8	6.17	580	22.8		✓
		EHC-T2100-AZ1 or 2	20-100	14.8-73.8	608	12.7 sq	1/2	3.0	6.61	616	24.3		✓
		EHC-T2100-AZ1 or 2(PP)	20-100	14.8-73.8	608	12.7 sq	1/2	3.0	6.61	616	24.3		✓
		EHC-T2100-AZ1 or 2(BP)	20-100	14.8-73.8	608	12.7 sq	1/2	3.0	6.61	616	24.3		✓

*1 Code after AZ/PZ differs depending on the country. 1 : Japan, China, Europe, Brazil, Russia 2 : USA, Canada
*2 Weight does not include the battery.

Handy 2000 Micro

Type		Model	Torque Range mN·m	Torque Range in·lb	Max. Speed (rpm)	Drive Shaft mm	Drive Shaft in	Weight kg	Weight lb	Length mm	Length in
DIRECT TOOLS	Straight	EH2-RA1000-SNL	100-1000	0.89-8.85	1600	φ4.0	-	0.56	1.23	244	9.6
		EH2-RA1000-SNP	100-1000	0.89-8.85	1600	φ4.0	-	0.58	1.28	252	9.9
		EH2-RA1000-SRL	100-1000	0.89-8.85	1600	φ4.0	-	0.57	1.26	244	9.6
		EH2-RA2000-SNL	200-2000	1.77-17.70	1000	Hex 6.35	1/4	0.57	1.26	244	9.6
		EH2-RA2000-SNP	200-2000	1.77-17.70	1000	Hex 6.35	1/4	0.59	1.30	252	9.9
		EH2-RA2000-SRL	200-2000	1.77-17.70	1000	Hex 6.35	1/4	0.58	1.28	244	9.6
		EH2-RA5000-SNL	500-5000	4.43-44.26	334	Hex 6.35	1/4	0.60	1.32	255	10.0
		EH2-RA5000-SNP	500-5000	4.43-44.26	334	Hex 6.35	1/4	0.63	1.39	263	10.4
		EH2-RA5000-SRL	500-5000	4.43-44.26	334 (669 *1)	Hex 6.35	1/4	0.62	1.37	255	10.0

*1 Only the "SP.HIGH SPD" setting applies. This product should be used at an ambient temperature of 30℃ (86℉) or less.

How to Read the Model Numbers

Handy 2000 Lite plus / Touch

1 2 3 4 5 6 7 8
EH2 - R 1 020 - A ( ) (PP) - T

1 Series
EH2 : Handy 2000 Lite plus / Touch

2 Fastening Mode
R : Direct Fastening
H : High Speed Pulse Fastening
S : High Speed Pulse Fastening
T : Pulse Fastening for Hard Joints

3 Motor Output
0 : 50W
1 : 100W
2 : 200W-1
3 : 200W-2

4 Max. Rated Torque
000 : 3 Digits N·m

5 Tool Type
A : Right Angle
S : Straight
SL : Straight with Lever Start
SP : Straight with Push-to-start
SC : Straight with Connector Start
P : Pistol
PH : Pistol with Spline or Flange

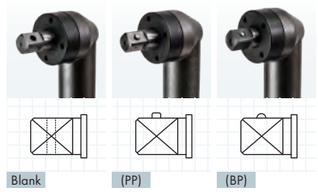
SL

SP

SC

PH

7 Drive Shaft
Blank : Through Hole
(PP) : Pin Plunger
(BP) : Ball Plunger


Blank (PP) (BP)

8 Cable Connector Position
Blank : Standard
T : Top-mounted

T

Handy 2000 Cordless

1 2 3 4 5 6 7 8
EHC - R 0 005 - P Z1 (PP) -

1 Series
EHC : Handy 2000 Cordless

2 Fastening Mode
R : Direct Fastening
L : High Speed Pulse Fastening
T : Pulse Fastening for Hard Joints

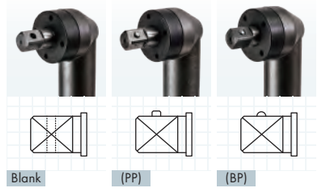
3 Motor Output
0 : 50W-1
1 : 75W
2 : 50W-2

4 Max. Rated Torque
000 : 3 Digits N·m

5 Tool Type
A : Right Angle
P : Pistol

6 Wireless Type
Z1 : IEEE802.15.4 Japan Radio Law Certified For Japan, China, Europe, Brazil, Russia
Z2 : IEEE802.15.4 USA, Canada Radio Frequency Regulations Certified For USA, Canada

7 Drive Shaft
Blank : Through Hole
(PP) : Pin Plunger
(BP) : Ball Plunger


Blank (PP) (BP)

Handy 2000 Micro

1 2 3 4 5 6 7 8
EH2 - R A 1000 - SNL - -

1 Series
EH2 : Handy 2000 Micro

2 Fastening Mode
R : Direct Fastening

3 Motor Output
A : 30W

4 Max. Rated Torque
0000 : 4 Digits mN·m

5 Tool Type
SNL : Straight with Lever Start
SNP : Straight with Push-to-start
SRL : Straight with Flange

SNL

SNP

SRL

Controller Specifications

Item		Handy 2000 Lite plus	Handy 2000 Touch	Handy 2000 Cordless	Handy 2000 Micro
Fastening Methods	Torque Control	✓	✓	✓	✓
	Torque Control Angle Monitoring	✓	✓	✓	✓
	Angle Control	✓	✓	✓	✓
	Torque or Angle Control	✓	✓	✓	✓
	Torque and Angle Control	✓	✓	✓	✓
	Reverse Angle Control	✓	✓	✓	✓
	Yield Angle Control	✓	✓	N/A	✓
	Yield Control	✓	✓	N/A	✓
	Inspection Torque Control	✓	✓	N/A	✓
Max No. of Channel		99	99 (250)	99	99
Max No. of JOB		99 (30 Step/JOB)	99 (30 Step/JOB)	99 (30 Step/JOB)	99 (30 Step/JOB)
Memory	Program / System Parameters	✓	✓	✓	✓
	Allocation of I/O	✓	✓	✓	✓
	Fastening Result History	✓	✓	✓	✓
	System Error History	FLASH-ROM Back-up	SD Memory Card Back-up	FLASH-ROM Back-up	SD Memory Card Back-up
	Torque Curve History	Battery Back-up (SRAM)	Battery Back-up (SRAM)	Battery Back-up (SRAM)	Battery Back-up (SRAM)
	Parameter in USB Flash Drive	✓	✓	✓	✓
Record Data Capacity	Fastening Results	Approx. 8,000	Approx. 50,000	Approx. 8,000	Approx. 50,000
	Torque Curve	30 (OK Data : 20 / NG Data : 10)	60 (OK Data : 30 / NG Data : 30)	15 (OK Data : 5 / NG Data : 10)	60 (OK Data : 30 / NG Data : 30)
	System Error	50	50	50	50
Features	JOB Control	✓	✓	✓	✓
	Multi Channels	✓	✓	✓	✓
	Multi-spindle	✓	✓	N/A	N/A
	Boost Mode	✓	✓	N/A	N/A
	Error Proofing Function	✓	✓	✓	✓
	Panel Setting Protect Function	✓	✓	✓	✓
	Free Allocation Function (I/O Signal, Fastening Result Data)	✓	✓	✓	✓
	Identifier (Compatible with Barcode Readers)	✓	✓	✓	✓
	Statistics Function	✓	✓	N/A	✓
	Simplified PLC Function	✓	✓	✓	✓
	Monitor Output (Torque, Angle Pulse, Speed Control, etc.)	✓	✓	N/A	N/A
	Protection Feature (T/T Zero-point, etc.)	✓	✓	✓	✓
Display / Operation	Operation Keys	6 Pieces	6 Pieces	6 Pieces	7 Pieces
	LED Display Lamp	✓	✓	✓	✓
	Electronic Buzzer	✓	✓	Included in tools	✓
	Display	7-segment LED	7-inch LCD Touch Panel	7-segment LED	4.3-inch LCD Touch Panel
Control Input / Output	RELAY (Output Contact)	2 Points (1 Point 1 Common)	2 Points (1 Point 1 Common)	N/A	2 Points (1 Point 1 Common)
	EXT/IN (Number of Inputs)	4 Points (Non-voltage Contact Input)	4 Points (Non-voltage Contact Input)	N/A	4 Points (Non-voltage Contact Input)
	I/O	Option	Option	Input : 16 Points (24V DC 7mA) Output : 16 Points (24V DC 50mA)	N/A
	Remote I/O	Option	Option	N/A	N/A
DC Output Power		24V DC Max. 1A	24V DC Max. 1A	24V DC Max. 2A	N/A
Communication Port * Please refer to P.29-30 for details.	COM1 (RS-232C)	✓	✓	✓	✓
	Ethernet Connection Port 10/100 BASE-T (RJ45)	1 Port	2 Port	2 Port	2 Port
	PC-USB (Mini-B)	✓	✓	✓	✓
	USB (Type A)	✓	✓	✓	✓
	PANEL (RS-422)	✓	✓	N/A	N/A
	NET	✓	✓	✓	✓
	Fieldbus (Option)	✓	✓	✓	✓
Power Supply		Single Phase 100-230V AC 50/60Hz	Single Phase 100-230V AC 50/60Hz	Single Phase 100-230V AC 50/60Hz	48V DC * Supplied from Power Box.

Controller Models and Options

Handy 2000 Lite plus / Handy 2000 Touch / Handy 2000 Micro

Type	Option: Remote I/O (R)	Fieldbus: DeviceNet (D)	PROFIBUS (P)	CC-Link (C)	EtherNet/IP (W)	PROFINET (T)	EtherCAT (B)	CC-Link IE (I)	PROFINET High Speed (S)	EtherNet/IP High Speed (R)	P I/O (P)	Model: Handy 2000 Lite plus	Handy 2000 Touch	Handy 2000 Micro
Standard Spec												EH2-HT45-000NNN	EH2-HT50-000NNN-E	EH2-HT60-000NNN-E
Optional Spec	✓											EH2-HT45-000RNN	EH2-HT50-000RNN-E	N/A
											✓	EH2-HT45-000NNP	EH2-HT50-000NNP-E	N/A
	✓										✓	EH2-HT45-000RNP	EH2-HT50-000RNP-E	N/A
		✓										EH2-HT45-000NDN	EH2-HT50-000NDN-E	EH2-HT60-000NDN-E
	✓	✓										EH2-HT45-000RDN	EH2-HT50-000RDN-E	N/A
		✓									✓	EH2-HT45-000NDP	EH2-HT50-000NDP-E	N/A
	✓	✓									✓	EH2-HT45-000RDP	EH2-HT50-000RDP-E	N/A
			✓									EH2-HT45-000NPN	EH2-HT50-000NPN-E	EH2-HT60-000NPN-E
	✓		✓									EH2-HT45-000RPN	EH2-HT50-000RPN-E	N/A
			✓								✓	EH2-HT45-000NPP	EH2-HT50-000NPP-E	N/A
	✓		✓								✓	EH2-HT45-000RPP	EH2-HT50-000RPP-E	N/A
				✓								EH2-HT45-000NCN	EH2-HT50-000NCN-E	EH2-HT60-000NCN-E
	✓			✓								EH2-HT45-000RCN	EH2-HT50-000RCN-E	N/A
				✓							✓	EH2-HT45-000NCP	EH2-HT50-000NCP-E	N/A
	✓			✓							✓	EH2-HT45-000RCP	EH2-HT50-000RCP-E	N/A
					✓							EH2-HT45-000NWN	EH2-HT50-000NWN-E	EH2-HT60-000NWN-E
	✓				✓							EH2-HT45-000RWN	EH2-HT50-000RWN-E	N/A
					✓						✓	EH2-HT45-000NWP	EH2-HT50-000NWP-E	N/A
	✓				✓						✓	EH2-HT45-000RWP	EH2-HT50-000RWP-E	N/A
						✓						EH2-HT45-000NTN	EH2-HT50-000NTN-E	EH2-HT60-000NTN-E
	✓					✓						EH2-HT45-000RTN	EH2-HT50-000RTN-E	N/A
						✓					✓	EH2-HT45-000NTP	EH2-HT50-000NTP-E	N/A
	✓					✓					✓	EH2-HT45-000RTP	EH2-HT50-000RTP-E	N/A
							✓					EH2-HT45-000NBN	EH2-HT50-000NBN-E	EH2-HT60-000NBN-E
	✓						✓					EH2-HT45-000RBN	EH2-HT50-000RBN-E	N/A
							✓				✓	EH2-HT45-000NBP	EH2-HT50-000NBP-E	N/A
	✓						✓				✓	EH2-HT45-000RBP	EH2-HT50-000RBP-E	N/A
								✓				EH2-HT45-000NIN	EH2-HT50-000NIN-E	EH2-HT60-000NIN-E
	✓							✓				EH2-HT45-000RIN	EH2-HT50-000RIN-E	N/A
								✓			✓	EH2-HT45-000NIP	EH2-HT50-000NIP-E	N/A
	✓							✓			✓	EH2-HT45-000RIP	EH2-HT50-000RIP-E	N/A
									✓			EH2-HT45-000NSN	EH2-HT50-000NSN-E	EH2-HT60-000NSN-E
	✓								✓			EH2-HT45-000RSN	EH2-HT50-000RSN-E	N/A
									✓		✓	EH2-HT45-000NSP	EH2-HT50-000NSP-E	N/A
	✓								✓		✓	EH2-HT45-000RSP	EH2-HT50-000RSP-E	N/A
										✓		EH2-HT45-000NRN	EH2-HT50-000NRN-E	N/A
	✓									✓		EH2-HT45-000RRN	EH2-HT50-000RRN-E	N/A
										✓	✓	EH2-HT45-000NRP	EH2-HT50-000NRP-E	N/A
	✓									✓	✓	EH2-HT45-000RRP	EH2-HT50-000RRP-E	N/A

* Note : The language can be switched to Japanese (- J), Chinese (- C), Portuguese (- P) in addition to English(- E).

Handy 2000 Cordless

Type	Option: Fieldbus: DeviceNet (D)	PROFIBUS (P)	CC-Link (C)	EtherNet/IP (E)	PROFINET (T)	Wireless Type: IEEE802.15.4 Japan Radio Law Certified (Z1)	IEEE802.15.4 USA, Canada Radio Frequency Regulations Certified (Z2)	Model
Standard Spec						✓		EHC-IF20-Z1N
							✓	EHC-IF20-Z2N
Optional Spec	✓					✓		EHC-IF20-Z1D
	✓						✓	EHC-IF20-Z2D
		✓				✓		EHC-IF20-Z1P
		✓					✓	EHC-IF20-Z2P
			✓			✓		EHC-IF20-Z1C
			✓				✓	EHC-IF20-Z2C
				✓		✓		EHC-IF20-Z1E
				✓			✓	EHC-IF20-Z2E
					✓	✓		EHC-IF20-Z1T
					✓		✓	EHC-IF20-Z2T

Handy 2000 Series Management Software

EH2-PC

This is the dedicated support & management software for all Handy 2000 series controllers.
Basic as well as advanced management functions of Handy 2000 models are supported :
Read/write parameters, project data storage & management, tightening result & curve monitoring, I/O & Fieldbus signal assignment, and more.

Languages : Japanese, English, Chinese
OS : Windows10, Windows8/8.1, Windows7 SP1

Serial Communication Cable (Option)

Model	Length (m)
ENRZ-CVSR-015	1.5
ENRZ-CVSR-050	5
ENRZ-CVSR-100	10

Handy 2000 Series Data Logger

ESW-DL

Data Logger is the dedicated traceability software for all Handy 2000 series controllers.
Output data (tightening results & curves) can be safely stored in a database and displayed.
The saved tightening data can also be exported in Excel format for easier data analysis.

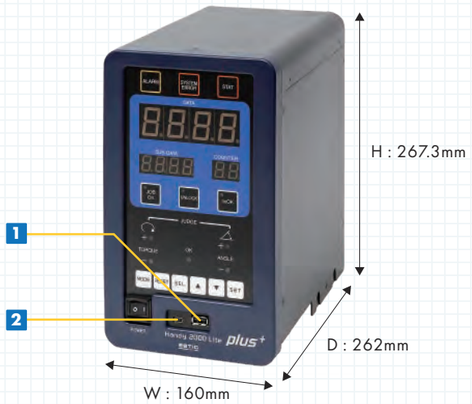
Languages :
Japanese, English, Chinese, Spanish
OS :
Windows10, Windows8/8.1, Windows7 SP1

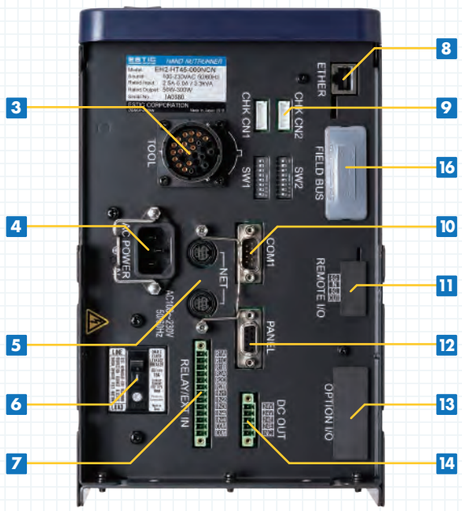
Controller Port Description

CAD data can be downloaded from our website.
https:// www.estic2.com/caddata/

Handy 2000 Lite plus

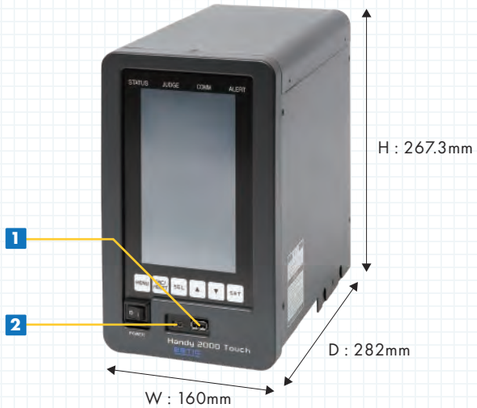
Weight: approx. 7.7 kg (17.0 lb)

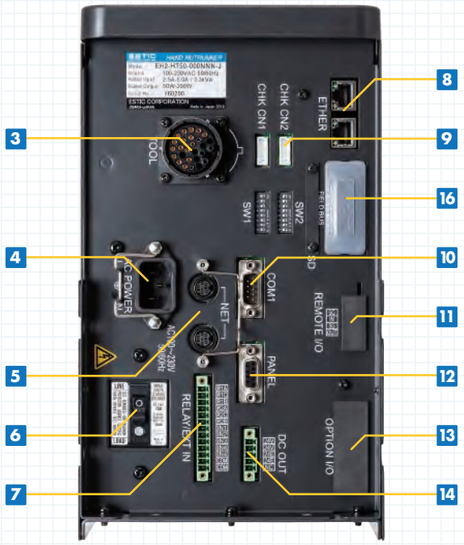




Handy 2000 Touch

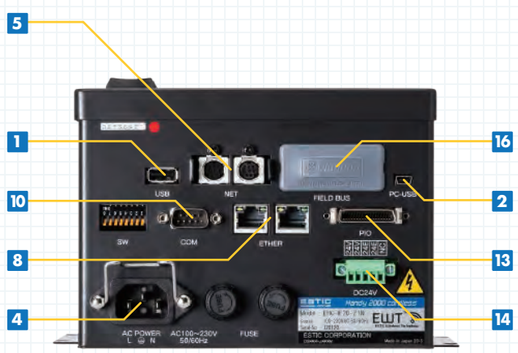
Weight: approx. 8.5 kg (18.7 lb)





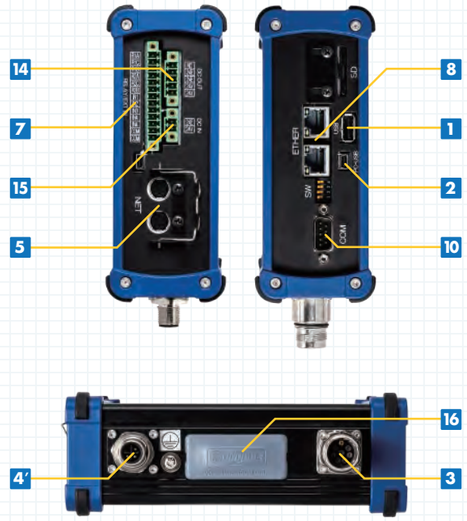
Handy 2000 Cordless

Weight: approx. 2.1 kg (4.6 lb)



Handy 2000 Micro

Weight: approx. 1.0 kg (2.2 lb)



1 USB (Type A)
USB flash drive port.

2 PC-USB (Mini-B)
USB port to be connected with Handy 2000 management software.

3 Connector for the Tool Cable
The system is automatically recognized when the tool is connected.

4 Connector for the AC Power Supply
Connector for 100V AC and 200V AC power supply cables.

4' Power Cable Connector
Connector for 48V DC power supply cables.

5 Network Connector
Used to control the multi-spindle, Socket tray and NET I/O unit.

6 Ground Leakage Breaker for the Main Power Supply
The ground leakage breaker conforming to various international standards.

7 RELAY / EXT IN
Relay (Output 2)
Non-voltage contact (Input 4)

8 Ethernet
RJ45 connector to connect with Ethernet.

9 CHK CN1 / CN2
Connector for monitor output.

10 RS-232C (COM1)
Handy 2000 management software, Barcode reader, ASCII data out.

11 Remote I/O (Option)
Remote I/O (Input 16/Output 16)
* OMRON Remote I/O modules are required.

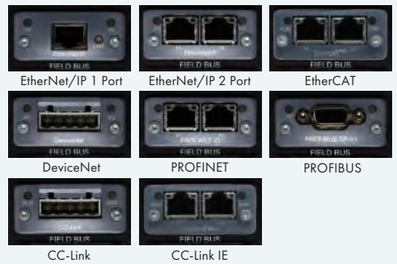
12 Panel
RS-422 to communicate with HMI.

13 I/O (Option)
I/O (Input 16/Output 16)
* Handy 2000 Cordless : Standard spec.

14 DC OUT
24V DC power supply connector.
(24V DC 1A)
* Handy 2000 Micro can be used by inputting 24V DC power supply to DC IN.

15 DC IN
24V DC power supply input connector.

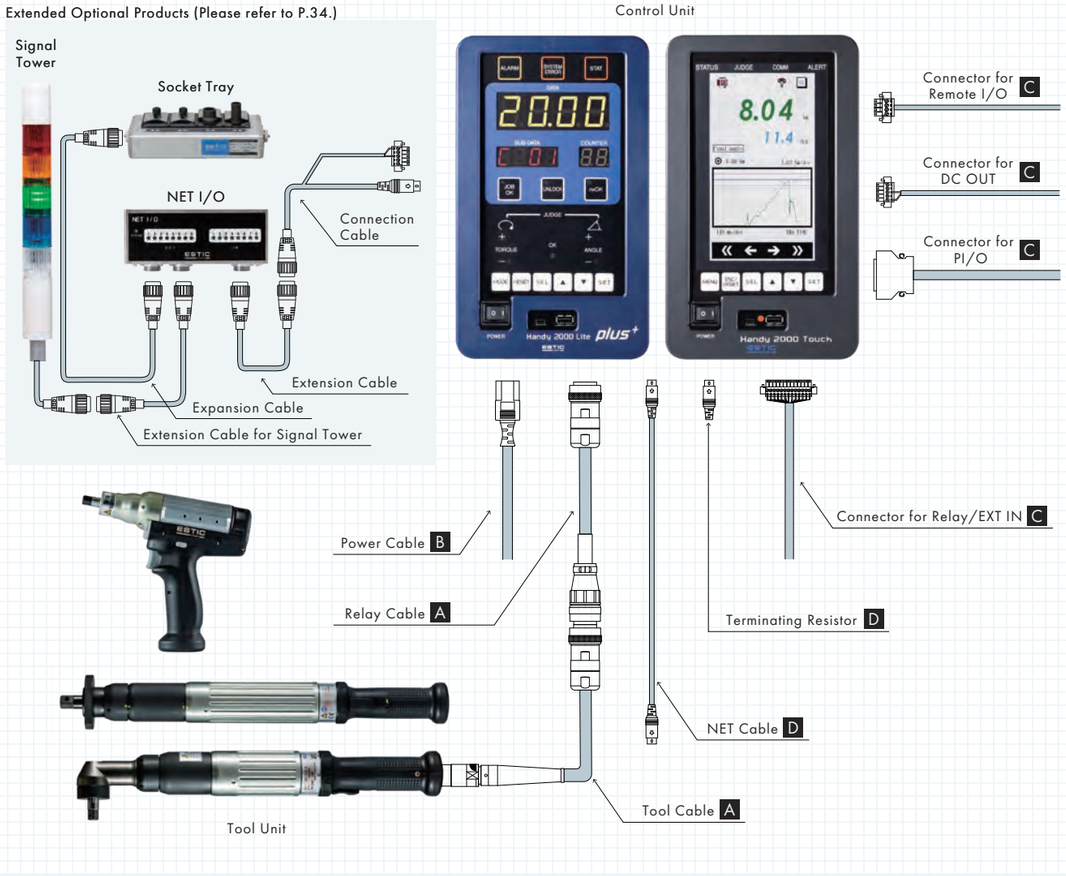
16 Fieldbus (Option)



Accessory List

Handy 2000 Lite plus / Handy 2000 Touch

Extended Optional Products (Please refer to P.34.)



A Tool Cable / Relay Cable

Tool Cable

Spiral Cable

Model	Length (m)	Description
EH2-CVS1R5-SS	1.5	Tool Cable
EH2-CVS05-SS	5	
EH2-CVS10-SS	10	
EH2-CVS15-SS	15	
EH2-CVS20-SS	20	Tool Cable (Made-to-order)
EH2-CVS25-SS	25	
EH2-CVS30-SS	30	
EH2-CVE05-SS	5	Relay Cable
EH2-CVE10-SS	10	
EH2-CVE15-SS	15	
EH2-CVC03-SS	1.5	Spiral Cable (3m When Expanded)

B Power Cable

1

2

3

4

5

	Model	Length (m)	Remarks
1	EH2-CP02-UL1	2	For Japan and USA 100V AC
2	EH2-CP02-CN1	2	For China 200V AC
3	EH2-CP02-UK1	2	For UK 200V AC
4	EH2-CP02-EU1	2	For Europe 200V AC
5	EH2-CP02-TH1	2	For Thailand 200V AC
	EH2-CP02-CE2	2	No Plug 200V AC

C Connectors

Model	Remarks
EH2-FCN13-RL	Connector for Relay/EXT IN
EH2-FCN5-DC	Connector for DC OUT (24V DC Output)
ENRZ-CN36-EX	Connector for PI/O (Parallel I/O)
EH2-FCN4-RM	Connector for Remote I/O

D NET Cable / Terminating Resistor

Model	Remarks
EH2-CVNK-005	For Multi-spindle and Trace Control Unit : 0.5m
EH2-CVNK-010	For Multi-spindle and Trace Control Unit : 1m
EH2-CVNK-030	For Multi-spindle and Trace Control Unit : 3m
EH2-CNST	Terminating Resistor

Cable Adapter

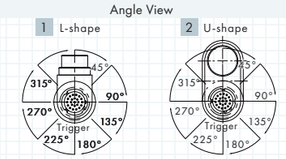
1

Angle View

2

Angle View

Angle View



1 EH2-CVAD-L : 90 degrees L-shape Adapter
2 EH2-CVAD-U : 180 degrees U-shape Adapter

Model		Angle Variation
EH2-CVAD-L EH2-CVAD-U	(Blank)	0 degrees
	(45°)	45 degrees
	(90°)	90 degrees
	(135°)	135 degrees
	(180°)	180 degrees
	(225°)	225 degrees
	(270°)	270 degrees
	(315°)	315 degrees

Hanging Fixture

1

2

3

4

5

6

	Model	Remarks
1	EH2-SY01	For Straight and Right Angle Tools (100/200W Type) : Horizontal, Swivel Type
2	EH2-SB01	For Straight and Right Angle Tools (100W Type) : Horizontal
	ENRH-SB02	For Straight and Right Angle Tools (200W Type) : Horizontal
3	EH2-SH01	For Straight and Right Angle Tools : Vertical
4	EH2-PH01	For Pistol Tools : Horizontal/Upside Down
5	EH2-PH02	For Pistol Tools : Horizontal, For Straight Tool (50W Type) : Horizontal
6	EH2-PH03	For Pistol Tools : Vertical

* Note : Please inquire for the hanging fixture of EH2-R3***-* tools.

Support Handle / Reaction Plate

1

Installation Image

Support Handle

	Model	Remarks
1	ENRH-SH01	Support Handle
2	ENRH-SH02	Switch Handle (with Direction Selector Switch)

Reaction Plate

	Model	Remarks
3	ENRH-RP20S	For 16/20 N·m Straight and Pistol Tools (Single)
4	ENRH-RP20W	For 16/20 N·m Straight and Pistol Tools
5	ENRH-RP35W	For 35 N·m Straight Tool
6	ENRH-RP90W	For 55/85/120 N·m Straight and Pistol Tools

Reaction Locking Nut

	Model	Remarks
7	ENRH-LNM30	For ENRH-RP20S and ENRH-RP20W

Switch Lever

1 Short Type

2 Long Type

	Model	Remarks
1	EH2-LS01	For Straight and Right Angle Tools (100/200W)
2	EH2-LS02	

* Note : Not applicable for EH2-R3***-* tools.

Protective Cover

Protective Cover

For Pistol Tools

Model	Remarks
EH2-PP02	For 16/20 N·m Pistol Tools
EH2-PP03	For 5/10 N·m Pistol Tools
EH2-PP04	For EH2-H0015-P
EH2-PP05	For EH2-H1030-P
EH2-PP06	For EH2-S1050-P
EH2-PP07	For EH2-T0050-P
EH2-PP08	For EH2-T0070-P

For Right Angle Tools

Model (Set)	Sets Include the Following Items				Applicable Right Angle Tools
	Protective Cover		Silicon Band		
	Model (Separate)	Quantity	Model (Separate)	Quantity	
EH2-AP01S	EH2-AP01	1	EH2-PB01	1	80 N·m Tools (EH2-R2080-A, EH2-H1070-A)
EH2-AP02S	EH2-AP02	1	EH2-PB01	2	120 N·m Tools (EH2-R2120-A, EH2-H2100-A)
EH2-AP03S	EH2-AP03	1	EH2-PB01	2	180 N·m Tools (EH2-R2180-A, EH2-H2140-A)
EH2-AP04S	EH2-AP04	1	EH2-PB02	1	20 N·m Tool (EH2-R1020-A)
EH2-AP05S	EH2-AP05	1	EH2-PB02	1	30 N·m Tool (EH2-R1030-A)
EH2-AP06S	EH2-AP06	1	EH2-PB02	1	50 N·m Tool (EH2-R2050-A)

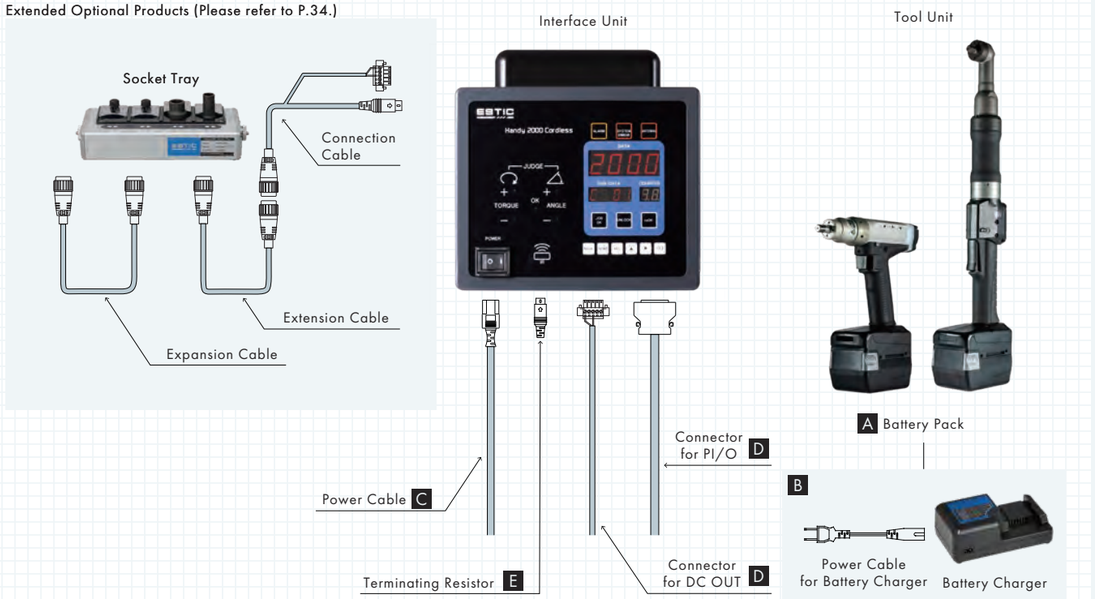
Controller Mount

Model
EH2-CF02

Accessory List

Handy 2000 Cordless

Extended Optional Products (Please refer to P.34.)



A Battery Pack

	Model	Voltage	Ampere-hour	Weight (kg)	Remarks
1	BPL-2510ES	25.2V DC	1.0Ah	0.40	For Pistol Tools
2	BPL-2520ES	25.2V DC	2.0Ah	0.54	For Pistol Tools
3	BPL-3610ES	36V DC	1.0Ah	0.47	For Right Angle Tools
4	BPL-3620ES	36V DC	2.0Ah	0.68	For Right Angle Tools

B Battery Charger

Model	Suitable Battery	Rated Input	Rated Output	Charging Time
BC2075MX	BPL-2510ES	100-240V AC 50/60Hz	2A±0.2A	45min.
	BPL-2520ES		2A±0.2A	75min.
	BPL-3610ES		1.6A±0.2A	50min.
	BPL-3620ES		1.6A±0.2A	90min.

Power Cable for Battery Charger

Model	Length (m)	Remarks
EHC-CP01-UL1	1	100V AC
EHC-CP02-AC	1	200V AC

C Power Cable

	Model	Length (m)	Remarks
1	EH2-CP02-UL1	2	For Japan and USA 100V AC
2	EH2-CP02-CN1	2	For China 200V AC
3	EH2-CP02-UK1	2	For UK 200V AC
4	EH2-CP02-EU1	2	For Europe 200V AC
5	EH2-CP02-TH1	2	For Thailand 200V AC
	EH2-CP02-CE2	2	No Plug 200V AC

D Connectors

Model	Description
EH2-FCN5-DC	Connector for DC OUT (24V DC Output)
ENRZ-CN36-EX	Connector for PI/O (Parallel I/O)

E Terminating Resistor

Model	Description
EH2-CNST	Terminating Resistor

Protective Cover

Model	Description
EHC-PCP01	For Tool Unit (Top) : EHC-R0005-P, R0008-P, R0012-P
EHC-PCP02	For Tool Unit (Top) : EHC-L0026-P
EHC-PCB01	For Battery Pack : BPL-2520ES, 3620ES
EHC-PCB03	For Battery Pack : BPL-2510ES
EHC-PCB04	For Tool Unit (Bottom)
EHC-PCB05	For Battery Pack : BPL-3610ES

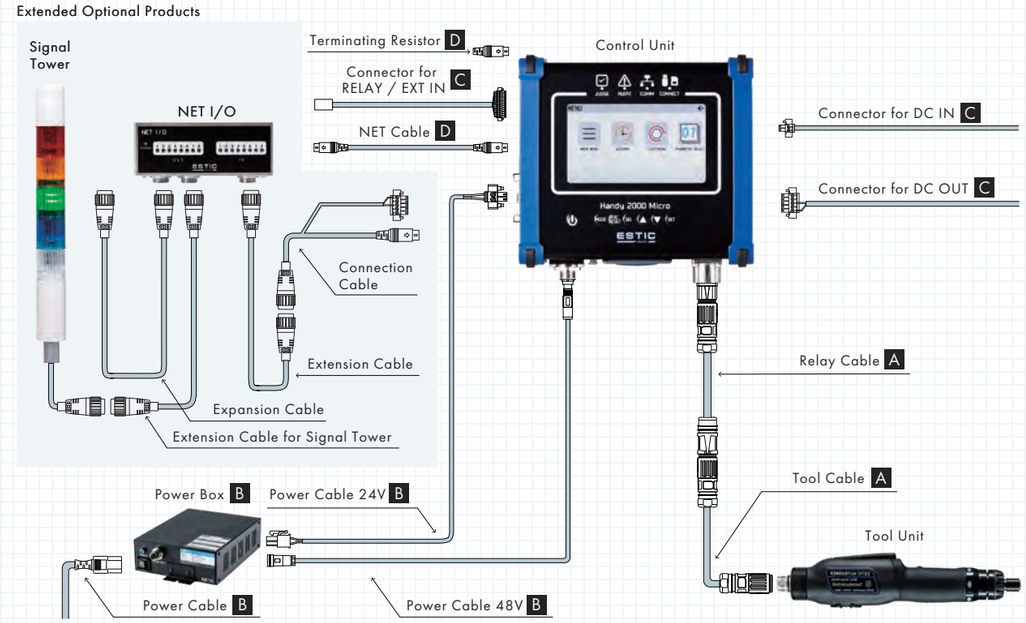
EHC-PCP01

EHC-PCB01

* Note : Standard accessories.

Handy 2000 Micro

Extended Optional Products



A Tool Cable / Relay Cable

Model	Length (m)	Remarks
ECV-T01SS010-S	1	Tool Cable
ECV-T01SS015-S	1.5	
ECV-T01SS030-S	3	
ECV-T01SS100-S	10	
ECV-T01SS030-E	3	Relay Cable
ECV-T01SS060-E	6	
ECV-T01SS100-E	10	

C Connectors

Model	Description
EH2-FCN13-RL	Connector for Relay/EXT IN
EH2-FCN5-DC	Connector for DC OUT (24V DC Output)
EH2-FCN2-DCIN	Connector for DC IN (24V DC Input)

D NET Cable / Terminating Resistor

Model	Description
EH2-CVNK-005	For Trace Control Unit : 0.5m
EH2-CVNK-010	For Trace Control Unit : 1m
EH2-CVNK-030	For Trace Control Unit : 3m
EH2-CNST	Terminating Resistor

B Power Box / Power Cable

Power Box

Model	Power Supply	Input Voltage
EACC-PS48V+24V	100-240V AC 50/60Hz	0.23kVA/Spindle

Model	Length (m)	Remarks
Power Cable 24V		
ECV-P24V-050	5	For Optional 24V DC Power Supply (DC IN)
Power Cable 48V		
ECV-P48V-050	5	48V DC Power Supply for Control Unit
Power Cable		
EH2-CP02-UL1	2	For Japan and USA 100V AC
EH2-CP02-CE2	2	No Plug 200V AC

Hanging Fixture

Model
EACC-SH01

Pistol Grip

Model
EACC-PG01

Extended Optional Products

Installation Image

NET I/O

Model
EH2-NIO8

Signal Tower

Model
EH2-NIOST-L

* Note : Includes the L-shape Bracket.

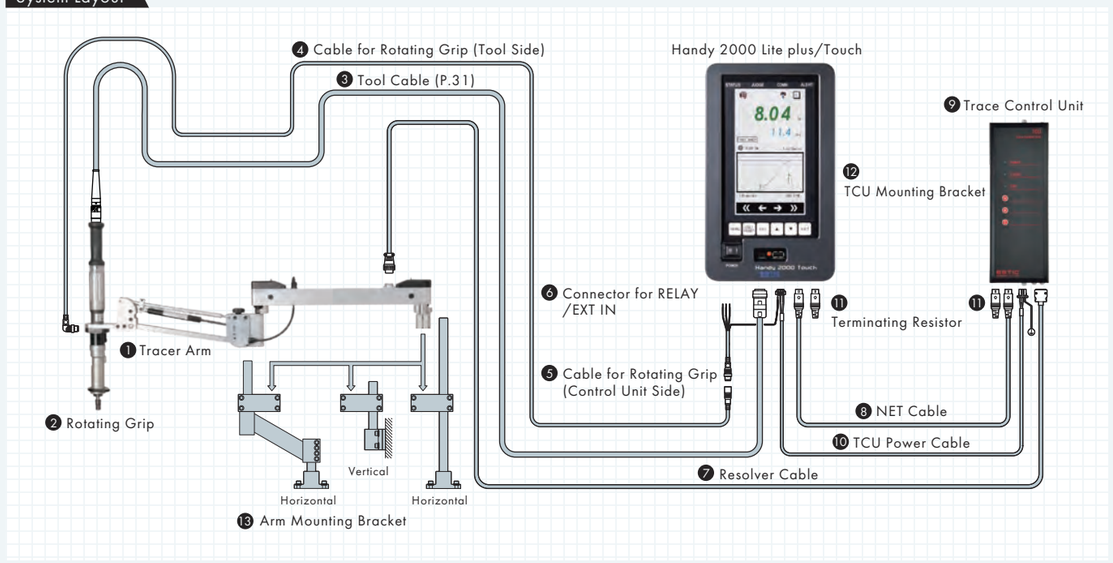
Socket Tray

Model	Remarks
EH2-ST4	4 Sockets Type (4 Holders)
EH2-ST8	8 Sockets Type (8 Holders)

Model	Length (m)
Connection Cable (Standard Accessory)	
EH2-CVST-005	0.5
Expansion Cable	
EH2-CVST2-010	1
Extension Cable	
EH2-CVST3-050	5
EH2-CVST3-100	10
EH2-CVST3-150	15
Extension Cable for Signal Tower	
EH2-CVNST-030	3

Tracer Arm Specifications

System Layout



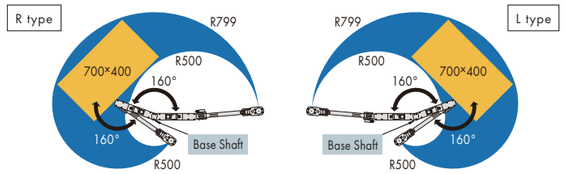
Low Torque Tracer Arm

Torque Range
1-20 N·m
Arm Length
300 x 500 mm
Weight
5.1 kg

Torque Range
1-20 N·m
Arm Length
500 x 500 mm
Weight
5.5 kg

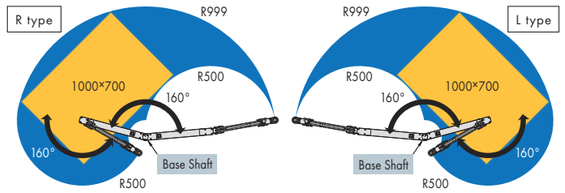
TA0305

Working Range ■ : Fastening Range ■ : Recommended Working Range



TA0505

Working Range ■ : Fastening Range ■ : Recommended Working Range



❶ Model	Applicable Tool Model	Torque Range	❷ Rotating Grip	❹ Cable for Rotating Grip (Tool Side)	❺ Cable for Rotating Grip (Control Unit Side)	❻ Connector for RELAY/EXT IN	❼ Resolver Cable	❽ NET Cable	⓭ Arm Mounting Bracket
EH2-TA0305-R-AT1 EH2-TA0305-L-AT1	EH2-R0005-SL/SP EH2-R0010-SL/SP	1-5N·m (0.7-3.7 ft·lb) 2-10N·m (1.5-7.4 ft·lb)	N/A	N/A	N/A	N/A	EH2-CVR3-010 (1m) EH2-CVR3-050 (5m)	EH2-CVNK-005 (0.5m) EH2-CVNK-010 (1m) EH2-CVNK-030 (3m)	EH2-SAFM500 (Floor, Ceiling : Horizontal Mounting) EH2-SAWM200 (Wall : Vertical Mounting)
EH2-TA0505-R-AT1 EH2-TA0505-L-AT1									
EH2-TA0305-R-AT1G EH2-TA0305-L-AT1G	EH2-R0005-SC EH2-R0010-SC	1-5N·m (0.7-3.7 ft·lb) 2-10N·m (1.5-7.4 ft·lb)	EH2-RG01	EH2-CVG1-001	N/A	N/A			
EH2-TA0505-R-AT1G EH2-TA0505-L-AT1G									
EH2-TA0305-R-AT2 EH2-TA0305-L-AT2	EH2-R1016-S EH2-R1020-S	3.2-16N·m (2.4-11.8 ft·lb) 4-20N·m (3-14.8 ft·lb)	N/A	N/A	N/A	N/A			
EH2-TA0505-R-AT2 EH2-TA0505-L-AT2									
EH2-TA0305-R-AT2G EH2-TA0305-L-AT2G	EH2-R1016-S EH2-R1020-S	3.2-16N·m (2.4-11.8 ft·lb) 4-20N·m (3-14.8 ft·lb)	EH2-RG02	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			
EH2-TA0505-R-AT2G EH2-TA0505-L-AT2G									

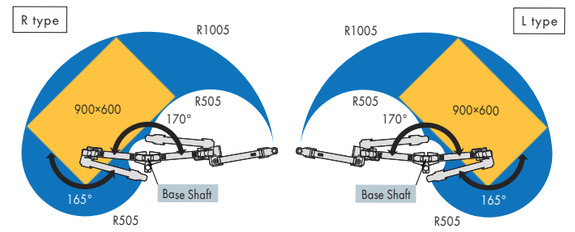
* Note : ❷ ❹ ❺ ❻ are standard accessories.

High Torque Tracer Arm

Torque Range
7-120 N·m
Arm Length
500 x 500 mm
Weight
16.5 kg

TH0505

Working Range ■ : Fastening Range ■ : Recommended Working Range



❶ Model	Applicable Tool Model	Torque Range	❷ Rotating Grip	❹ Cable for Rotating Grip (Tool Side)	❺ Cable for Rotating Grip (Control Unit Side)	❻ Connector for RELAY/EXT IN	❼ Resolver Cable	❽ NET Cable	⓭ Arm Mounting Bracket
EH2-TH0505-R-AT3 EH2-TH0505-L-AT3	EH2-R2035-S	7-35 N·m (5.2-25.8 ft·lb)	N/A	N/A	N/A	N/A	EH2-CVR3-010 (1m) EH2-CVR3-050 (5m)	EH2-CVNK-005 (0.5m) EH2-CVNK-010 (1m) EH2-CVNK-030 (3m)	EH2-HAFM500 (Floor, Ceiling : Horizontal Mounting)
EH2-TH0505-R-AT3G EH2-TH0505-L-AT3G	EH2-R2035-S	7-35 N·m (5.2-25.8 ft·lb)	EH2-RG03	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			
EH2-TH0505-R-AT4 EH2-TH0505-L-AT4	EH2-R2055-S EH2-R2085-S EH2-R2120-S	11-55 N·m (8.1-40.6 ft·lb) 17-85 N·m (12.5-62.7 ft·lb) 24-120 N·m (17.7-88.5 ft·lb)	N/A	N/A	N/A	N/A			
EH2-TH0505-R-AT4G EH2-TH0505-L-AT4G	EH2-R2055-S EH2-R2085-S EH2-R2120-S	11-55 N·m (8.1-40.6 ft·lb) 17-85 N·m (12.5-62.7 ft·lb) 24-120 N·m (17.7-88.5 ft·lb)	EH2-RG04	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			

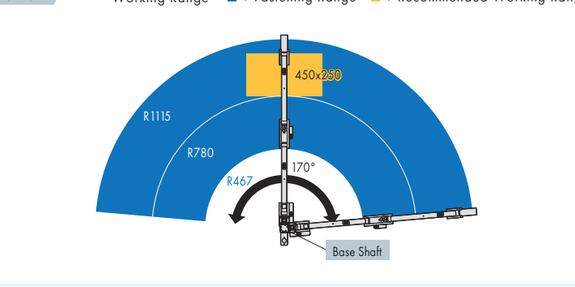
* Note : ❷ ❹ ❺ ❻ are standard accessories.

Vertical Tracer Arm

Torque Range
1-55 N·m
Arm Length
400 x 400 mm
Weight
8.5 kg

PA0404

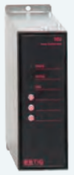
Working Range ■ : Fastening Range ■ : Recommended Working Range



❶ Model	Applicable Tool Model	Torque Range	❷ Rotating Grip	❹ Cable for Rotating Grip (Tool Side)	❺ Cable for Rotating Grip (Control Unit Side)	❻ Connector for RELAY/EXT IN	❼ Resolver Cable	❽ NET Cable	⓭ Arm Mounting Bracket
EH2-PA0404-AT1	EH2-R0005-SL/SP EH2-R0010-SL/SP	1-5 N·m (0.7-3.7 ft·lb) 2-10 N·m (1.5-7.4 ft·lb)	N/A	N/A	N/A	N/A	EH2-CVR3-010 (1m) EH2-CVR3-050 (5m)	EH2-CVNK-005 (0.5m) EH2-CVNK-010 (1m) EH2-CVNK-030 (3m)	EH2-PAFM1 (Floor, Ceiling : Horizontal Mounting) EH2-SAFM500 (Floor, Ceiling : Horizontal Mounting) EH2-SAWM200 (Wall : Vertical Mounting)
EH2-PA0404-AT1G	EH2-R0005-SC EH2-R0010-SC	1-5 N·m (0.7-3.7 ft·lb) 2-10 N·m (1.5-7.4 ft·lb)	EH2-RG01	EH2-CVG1-001	N/A	N/A			
EH2-PA0404-AT2	EH2-R1016-S EH2-R1020-S	3.2-16 N·m (2.4-11.8 ft·lb) 4-20 N·m (3-14.8 ft·lb)	N/A	N/A	N/A	N/A			
EH2-PA0404-AT2G	EH2-R1016-S EH2-R1020-S	3.2-16 N·m (2.4-11.8 ft·lb) 4-20 N·m (3-14.8 ft·lb)	EH2-RG02	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			
EH2-PA0404-AT3	EH2-R2035-S	7-35 N·m (5.2-25.8 ft·lb)	N/A	N/A	N/A	N/A			
EH2-PA0404-AT3G	EH2-R2035-S	7-35 N·m (5.2-25.8 ft·lb)	EH2-RG03	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			
EH2-PA0404-AT4	EH2-R2055-S	11-55 N·m (8.1-40.6 ft·lb)	N/A	N/A	N/A	N/A			
EH2-PA0404-AT4G	EH2-R2055-S	11-55 N·m (8.1-40.6 ft·lb)	EH2-RG04	EH2-CVG2-050	EH2-CVG3-003	EH2-FCN13-RL			

* Note : ❷ ❹ ❺ ❻ are standard accessories.

Trace Control Unit



❾ Model	Control Input/Output	Operating Power Supply	Number of Assignable Programs	Weight (kg)
EH2-TCU2-N	PI/O (IN/OUT) : 6 Points (PNP/NPN)	24V DC±10% (Supplied from Handy 2000 Lite plus / Touch)	99 (Up to 63 positions can be registered per program)	0.9
EH2-TCU2-E	PI/O (IN/OUT) : 6 Points (PNP/NPN) EXTPI/O (IN/OUT) : 24 Points (PNP/NPN)			

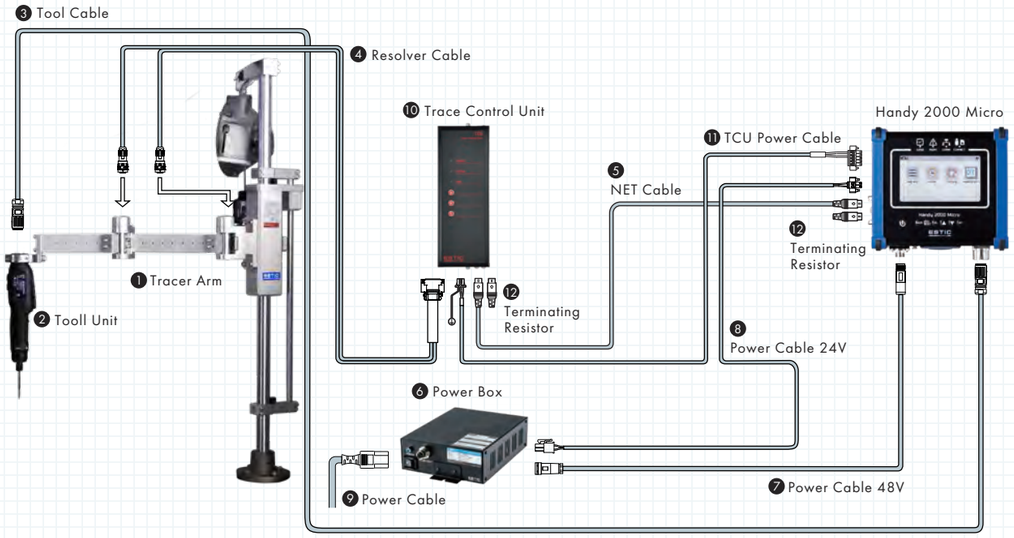
Accessories

❿ TCU Power Cable	⓫ Terminating Resistor	⓬ TCU Mounting Bracket
EH2-CVDC-030 (3m)	EH2-CNST (Requires 2 Pieces)	EH2-TCU-BRKT2

* Note : ❿ are standard accessories.

Tracer Arm Specifications

System Layout

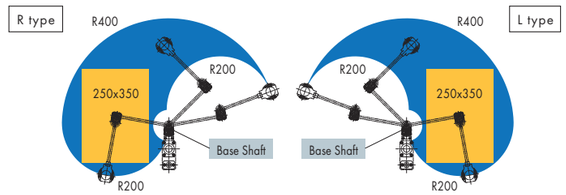


Micro Tracer Arm

Torque Range
0.1-5.0 N·m
Arm Length
200 x 200 mm
Weight
10.0 kg

MTA0202

Working Range ■ : Fastening Range ■ : Recommended Working Range



❶ Model	❷ Applicable Tool Model	Torque Range	❸ Tool Cable	❹ Resolver Cable	❺ NET Cable
EH2-MTA0202-R-AT1 EH2-MTA0202-L-AT1	EH2-RA1000-SNL/SNP EH2-RA2000-SNL/SNP EH2-RA5000-SNL/SNP	0.1-1.0 N·m (0.89-8.85 in·lb) 0.2-2.0 N·m (1.77-17.70 in·lb) 0.5-5.0 N·m (4.43-44.26in·lb)	ECV-T01SS010-S (1m) ECV-T01SS015-S (1.5m) ECV-T01SS030-S (3m) ECV-T01SS100-S (10m)	EH2-CVR2-030 (3m)	EH2-CVNK-005 (0.5m) EH2-CVNK-010 (1m) EH2-CVNK-030 (3m)

Power Box

❻ Power Box	❼ Power Cable 48V	❽ Power Cable 24V	❾ Power Cable
EACC-PS48V+24V	ECV-P48V-050 (5m)	ECV-P24V-050 (5m)	EH2-CP02-UL1 (For Japan and USA 100V AC) EH2-CP02-CE2 (No plug 200V AC)

Trace Control Unit

❿ Model	Control Input/Output	Operating Power Supply	Number of Assignable Programs	Weight (kg)
EH2-TCU2-N	PI/O (IN/OUT) : 6 Points (PNP/NPN)	24V DC±10% (Supplied from Handy 2000 Micro)	99 (Up to 63 positions can be registered per program)	0.9
EH2-TCU2-E	PI/O (IN/OUT) : 6 Points (PNP/NPN) EXTPI/O (IN/OUT) : 24 Points (PNP/NPN)			

Accessories

⓫ TCU Power Cable	⓬ Terminating Resistor
EH2-CVDC-030 (3m)	EH2-CNST (Requires 2 Pieces)

* Note : ⓫ are standard accessories.

Robot

Technology

New Robot System proposed by ESTIC

The ESTIC ROBOT SYSTEM is ideal for building a screw tightening robot that makes use of the Handy 2000 series nutrunner. The nutrunner controls the robot to shorten the cycle time and enable centralized system management without using a PLC. Selecting the robot system and nutrunner is the only decision required to get started. This system can be easily introduced even without any difficult knowledge such as ladder programming or software maintenance management.

Benefits

Simple Settings
Improves Productivity
Production Guarantee
Reduces Cycle Time
Batch Setting

Movie

https://youtu.be/iGZw4vC5fwI

Global Network

3

Affiliates

30 Authorized Dealers

(As of 2020)

Founded in 1993, ESTIC has quickly grown to become a major worldwide company with operations in over 20 countries spearheaded by a network of three affiliates and thirty authorized dealers. With our global reach, we guarantee that, wherever our clients are, we will be on-site with localized service and support.

USA

China

Japan

Thailand

ESTIC America, Inc.

Head Office (Kentucky Office)

ESTIC America was established in Erlanger, Kentucky, in 2014 as our North American product support center, servicing our customers in the United States, Canada and Mexico.

ESTIC Product Sales/Troubleshooting and Support/Repairs and Calibration

1895 Airport Exchange Blvd, Suite 120, Erlanger, KY 41018, U.S.A.
Phone : +1-859-746-8800
E-mail : support@estic-america.com

Novi Technical Center (Michigan Office)

We have recently opened the ESTIC America – Novi Technical Center in 2019, to further support our customer's manufacturing development needs in and around Southeast Michigan.

ESTIC Product Sales/Troubleshooting and Support

25901 Meadowbrook Rd. Novi, MI 48375, U.S.A.
Phone : +1-248-719-7622

ESTIC (Thailand) Co., Ltd.

Head Office

In 2012, we established a sales company in Bangkok, Thailand, to offer increased support to the incredibly fast-growing Southeast Asian market. From this hub, we support our clients across Southeast Asia and beyond, from Vietnam to India.

ESTIC Product Sales/Troubleshooting and Support/Repairs and Calibration

19 Naradhiwas Rajanakarin Road, Chong Nonsi, Yannawa, Bangkok 10120, Thailand
Phone : +66-2-678-0171
E-mail : sales@estic.co.th

Shanghai ESTIC Co., Ltd.

Head Office

In 2001, we established a sales, R&D, and manufacturing center in Shanghai, China. Our operations there cover nutrunners, servo presses, as well as fastening and press fitting machines and other automated equipment.

Fastening and Press Fitting Machines and other Automated Equipment/ESTIC Product Sales/Troubleshooting and Support/Repairs and Calibration

No.6, 51 Gate, 1159 Lane, Kangqiao East Road, Pudong, Shanghai 201315 P.R.C
Phone : +86-21-6813-0333
E-mail : ecc@estic.cn

Service and Support System

ESTIC is a powerful partner in your assembly processes. Combining high-quality made-in-Japan products with a global support network, we offer our clients an unparalleled commitment to quality and satisfaction. We dedicate ourselves to constant innovation and harness a flexible and open approach to further boost client productivity. At ESTIC, when our partners succeed, we succeed.

#01

Quality Assurance

Our products are both devices used in assembling processes as well as instruments for measuring and guaranteeing fastening quality. Strict quality assurance is essential in the design, production, and sourcing of parts as well as in assembly procedures and shipping inspections. Our R&D, Quality Assurance, Production, and Product Service divisions work continuously with our suppliers to improve quality and ensure the products we deliver around the world leave our customers satisfied.

#02

Production System

Because our clients require products to be high in quality, competitive in cost, and delivered on demand, we focus our manufacturing operations on the three areas of quality, cost, and delivery (QCD) and constantly evolve our production systems accordingly. To meet the world's ever-increasing requirements, we will continue to strengthen our production capability and deliver the stable supply of the products you need.

#03

After-purchase Support

Nutrunners require product support both during setup and in the operations to follow. They must also undergo regular maintenance to ensure optimal performance. In addition to Japan, ESTIC offers services covering product maintenance, repair, and calibration in over 20 countries and regions through its network of authorized dealers. Our system of rapid customer support guarantees your peace of mind when using our products.

Company Profile

Together with our domestic and international sales teams, ESTIC's worldwide R&D, manufacturing, product support, and quality control operations provide flexible, rapid responses to the needs of the global market.

Head Office

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Osaka, 570-0041 Japan
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E-mail : int_dep@estic.co.jp

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E-mail : osaka_office@estic.co.jp

Togo Plant

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Fax : +81-6-6993-8887

Hashiba Plant

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Osaka, 570-0031 Japan
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Fax : +81-45-474-3037
E-mail : tokyo_office@estic.co.jp

Chubu Office

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Aichi 444-0044, Japan
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Fax : +81-564-66-0515
E-mail : chubu_office@estic.co.jp

History

1993	Became independent from TAIYO, LTD. through an Employee Buy-out
1994	Established the Tokyo office in Yokohama City
1998	Established the Chubu office in Okazaki City
1998	Renovated our main office and built a new factory
2001	Founded Shanghai ESTIC as a joint venture in Shanghai, China
2003	Acquired a multilateral patent (Japan, USA, and China) for pulse fastening
2003	Acquired ISO9001:2000 Certification through JQA
2006	Increased capital to 557,000,000 yen
2006	Listed on the Mothers section of the Tokyo Stock Exchange
2006	Expanded our main office and opened a technical center
2009	Acquired ISO9001:2008 Certification through JQA
2012	Founded our Thai subsidiary, ESTIC (Thailand) Co., Ltd.
2014	Founded our American subsidiary, ESTIC America Inc.
2016	February : Opened the Togo Plant
2016	Listed and changed to the second section of the Tokyo Stock Exchange
2019	Opened the ESTIC America - Novi Technical Center
2019	Head office relocated to Togodori, Moriguchi-city, Osaka upon completion of new building
2020	Hiroshi Suzuki became Chairman and Hirohide Suzuki became President