

Micro



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

Handy 2000 Micro



DIRECT TOOLS																					
Type	Model	Torque Range		Torque Range																	
		mN·m	in·lb	0	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	(mN·m)				
Straight	EH2-RA1000-SNL/SNP/SRL	100-1000	0.89-8.85	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	(in·lb)				
	EH2-RA2000-SNL/SNP/SRL	200-2000	1.77-17.70																		
	EH2-RA5000-SNL/SNP/SRL	500-5000	4.43-44.26																		
				DIRECT Only Recommended Use Range																	

Type		Model	Torque Range		Max. Speed (rpm)	Drive Shaft		Weight		Length	
			mN·m	in·lb		mm	in	kg	lb	mm	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°C (86°F) or less.

Handy 2000 Micro

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

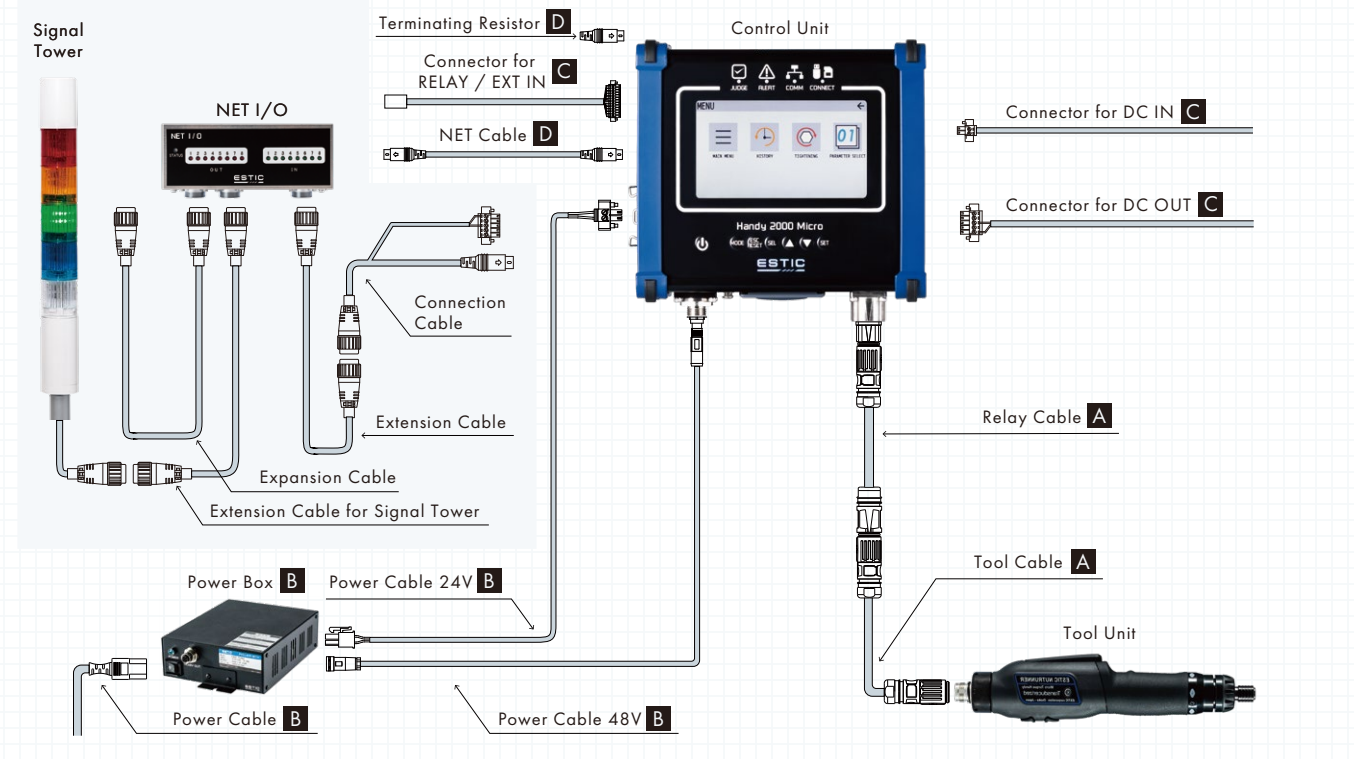


JP : www.estic.co.jp
EN : www.estic-global.com
CN : www.cn.estic-global.com

www.linkedin.com/company/estic-corporation
www.youtube.com/user/EsticCorporation

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	Relay Cable
ECV-T01SS030-E	3	
ECV-T01SS060-E	6	
ECV-T01SS100-E	10	

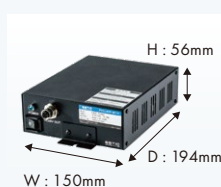
C Connectors

Model	Description
EH2-FCN13-RL	Connector for Relay/EXT IN
EH2-FCN05-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-CVKN-005	For Trace Control Unit : 0.5m
EH2-CVKN-010	For Trace Control Unit : 1m
EH2-CVKN-030	For Trace Control Unit : 3m
EH2-CNST	Terminating Resistor

B Power Box / Power Cable



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



Pistol Grip



Model	Model
EACC-SH01	EACC-PG01

Handy 2000 Series Management Software

EH2-PC

This is the dedicated support & management software for 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, Korean
OS : Windows 11, Windows 10



Serial Communication Cable (Option)

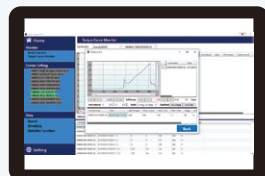
Model	Length (m)
ENRZ-CVSR-015	1.5
ENRZ-CVSR-050	5
ENRZ-CVSR-100	10

Handy 2000 Series Data Logger

ESW-DL

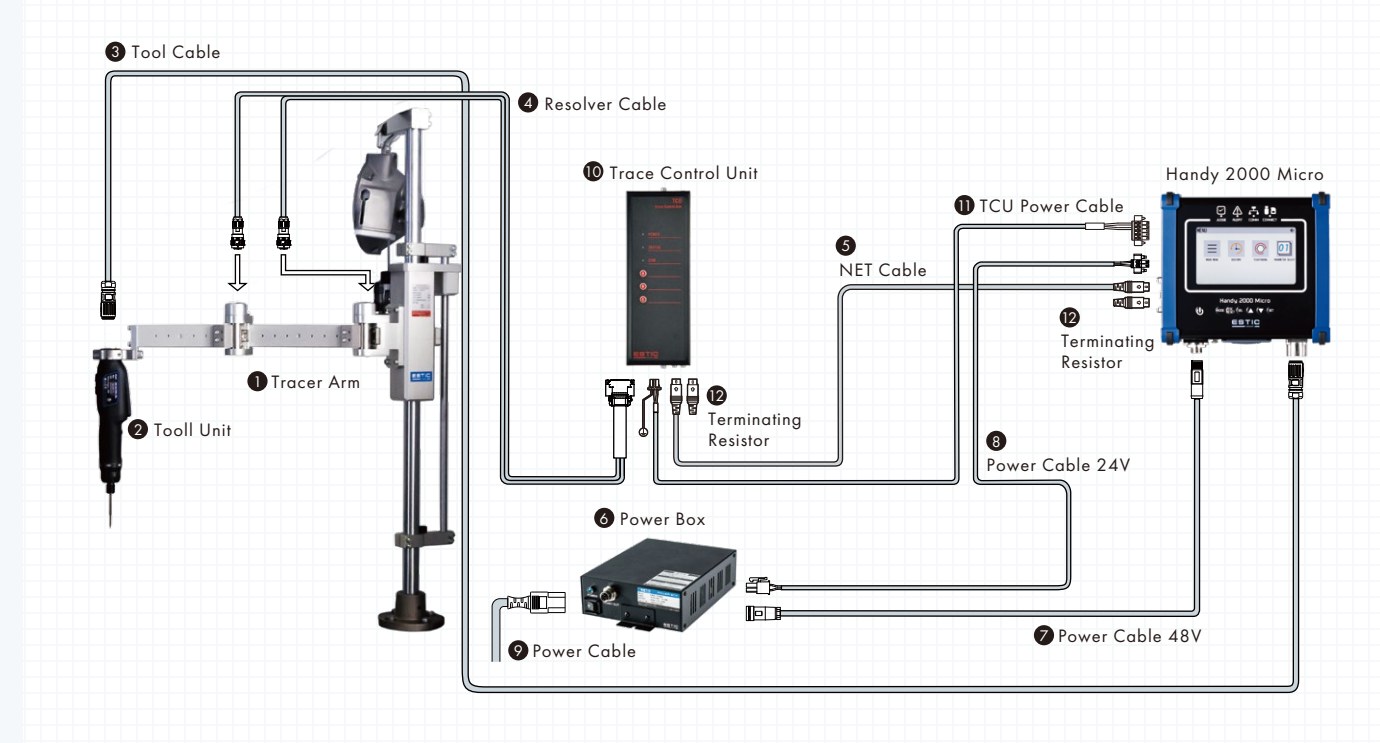
Data Logger is the dedicated traceability software for all Handy 2000 series controllers. Output data (tightening results & curves) can be safely stored in a database and displayed. The saved tightening data can also be exported in Excel format for easier data analysis.

Languages : Japanese, English, Chinese, Spanish
OS : Windows 11, Windows 10



Tracer Arm Specifications

System Layout



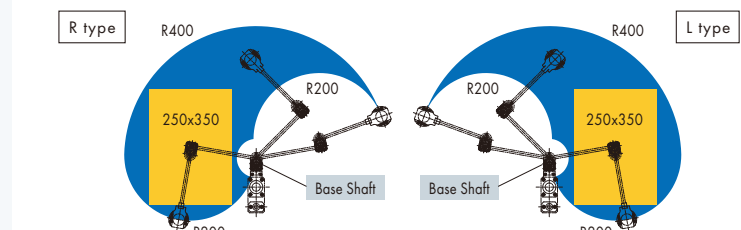
Micro Tracer Arm



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



① Model	② Applicable Tool Model	Torque Range	③ Tool Cable	④ Resolver Cable	⑤ 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 (4.43-44.26 in·lb)	ECV-T01SS010-S (1m) ECV-T01SS015-S (1.5m) ECV-T01SS030-S (3m) ECV-T01SS100-S (10m)	EH2-CVR2-030 (3m)	EH2-CVKN-005 (0.5m) EH2-CVKN-010 (1m) EH2-CVKN-030 (3m)

Power Box

⑥ Power Box	⑦ Power Cable 48V	⑧ Power Cable 24V	⑨ 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

⑩ 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

⑪ TCU Power Cable	⑫ Terminating Resistor
EH2-CVDC-030 (3m)	EH2-CNST (Requires 2 Pieces)

* Note : ⑪ are standard accessories.

Please refer to the Handy 2000 Series
GENERAL CATALOG for the full lineup of
Handheld Nutrunners and Tracer Arms.
<https://www.estic-global.com/products/catalogs/>

