

Micro



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

Handy 2000 Micro

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.

Technology

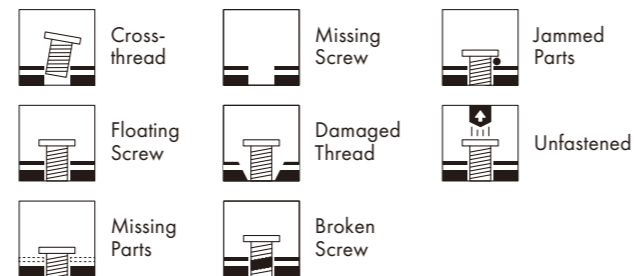
Minimum Torque
0.1N·m

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



Detectable Fastening Errors



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



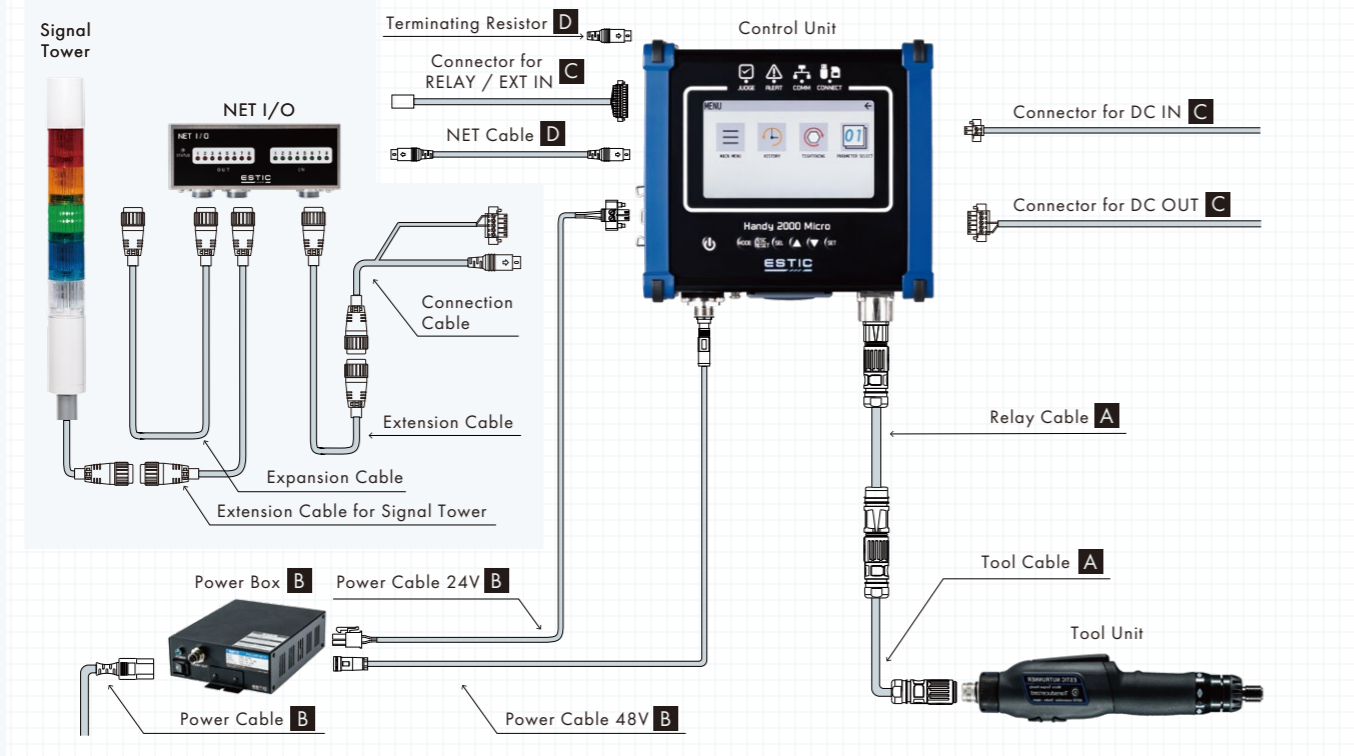
JP : www.estic.co.jp
EN : www.estic-global.com
CN : www.cn.estic-global.com

[LinkedIn](https://www.linkedin.com/company/estic-corporation) www.linkedin.com/company/estic-corporation

[YouTube](https://www.youtube.com/user/EsticCorporation) 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

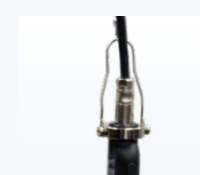
Model	Description
EH2-CVNK-005	For Trace Control Unit : 0.5m
EH2-CVNK-010	For Trace Control Unit : 1m
EH2-CVNK-030	For Trace Control Unit : 3m
EH2-CNST	Terminating Resistor

B Power Box / Power Cable

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
EACC-SH01

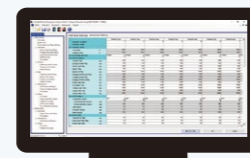
Model
EACC-PG01

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 series controllers 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)

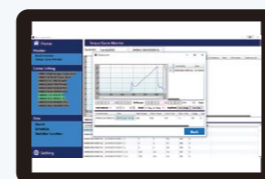
Model	Length (m)
ENRZ-CVSR-015	1.5
ENRZ-CVSR-050	5
ENRZ-CVSR-100	10

Handy 2000 Series Data Logger

ESW-DL

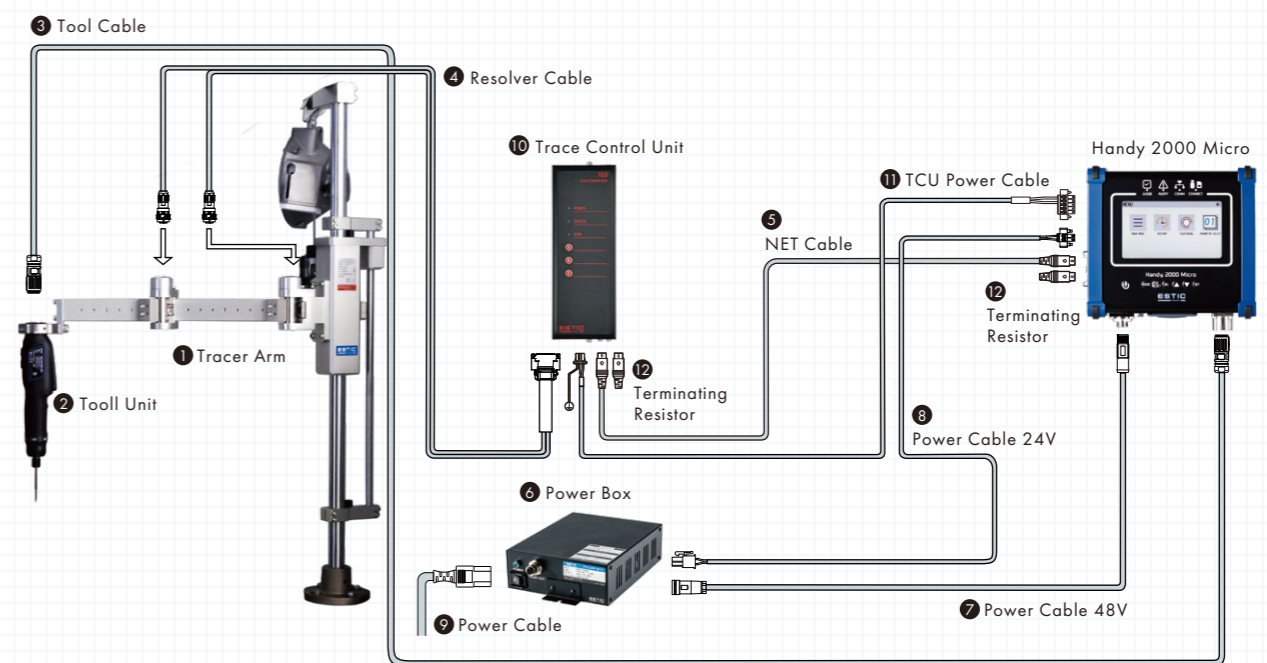
Data Logger is the dedicated traceability software for all Handy 2000 series controllers. Output data (tightening results & curves) can be safely stored in a database and displayed. The saved tightening data can also be exported in Excel format for easier data analysis.

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



Tracer Arm Specifications

System Layout



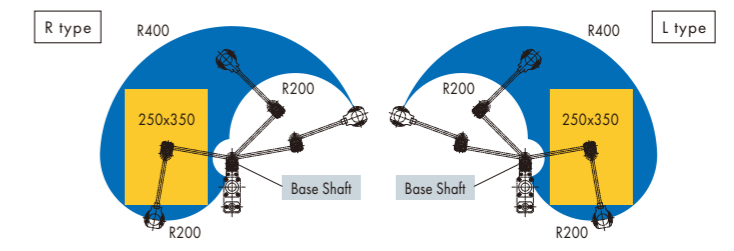
Micro Tracer Arm



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-CVNK-005 (0.5m) EH2-CVNK-010 (1m) EH2-CVNK-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) EXPI/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 : ① 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/>

