

Handheld Nutrunner Handy 2000 Series

Pulse-Mode-Exclusive Tool for COBOT Tightening



What are pulse-mode tools for COBOTs?

Tightening from various directions

Equipped with ESTIC PULSE which combines high precision, low reaction force, and high speed rotation. The function developed for the purpose of reducing the burden on the operator in hand tool applications is also robot-friendly, and allows tightening approaches from various directions without being restricted by posture restrictions.

Compact and ideal for mounting on COBOTs

The compact shape with a low center of gravity and short overall length makes it easy to manage cables and it is also ideal for mounting on COBOTs.

Special starter kit available



UR+ Approved

Our handheld nutrunners are UR+ Approved peripheral devices and can be used in combination with UR's COBOTs.



Product Information

Two new tools added to the line-up

Introducing 25 N·m and 45 N·m tools, now expanding the range to cover 5 to 140 N·m.

45N·m
EH2-H1045-SC



25N·m
EH2-H0025-SC

List of pulse tools for COBOTs

Tool line-up that supports a wide range of force from 5 to 140N·m

Type	Model	Torque Range		Max. Speed (rpm)		0 2 5 10 20 25 45 50 70 80 100 140 (N·m)												
		N·m	ft·lb	100V AC Input	200V AC Input ※1	0 550 1100 1650 2200 (rpm)												
Straight	EH2-H0025-SC	5.0-25	3.7-18.4	1405	2108	5.0-25N·m (Max 2108rpm)												
	EH2-H1045-SC	9.0-45	6.6-33.2	1500	2250	9.0-45N·m (Max 2250rpm)												
Right Angle	EH2-H1070-A	14-70	10.3-51.6	1000	1500	14-70N·m (Max 1500rpm)												
	EH2-H2100-A	20-100	14.8-73.8	750	1125	20-100N·m (Max 1125rpm)												
	EH2-H2140-A	28-140	20.7-103.3	500	753	28-140N·m (Max 753rpm)												

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

Torque band map for COBOT

A line-up of tools optimized for each robot

Type	Model	Drive Shaft		Weight		Length		0 5 25 45 70 100 140 (N·m)										
		mm	in	kg	lb	mm	in	0 3.7 18.4 33.2 51.6 73.8 103.3 (ft·lb)										
Straight	EH2-H0025-SC	9.5 sq	3/8	1.1	2.43	226	8.9	UR5e										
	EH2-H1045-SC	12.7 sq	1/2	2.1	4.63	308	12.1	UR10e										
Right Angle	EH2-H1070-A	12.7 sq	1/2	2.0	4.41	426	16.8	UR16e										
	EH2-H2100-A	12.7 sq	1/2	3.0	6.61	500	19.7											
	EH2-H2140-A	19.0 sq	3/4	3.5	7.72	524	20.6											

* For torque values not listed, some tools may be customized to accommodate your needs. Please contact us for more details.

Supported Controllers

Handy 2000 Lite plus / Touch (Controller Models Lite plus : EH2-HT45-000**** / Touch : EH2-HT50-000****)

● CAD data can be downloaded from our website.
<https://www.estic-global.com/member>



● For details on controller functions, etc., please refer to the Handy 2000 Series GENERAL CATALOG vol.2.



ESTIC is a professional provider of tightening solutions. Since our foundation, we have been providing high-precision, high-performance tightening solutions, mainly to the automotive industry. Tightening with a robot is highly compatible with nut runners equipped with a variety of control functions, and there is an increasing number of cases where it is used for loosening work that does not require torque precision. Please feel free to contact us if you are considering automation using a robot.



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