One of the new applications of Handy 2000 Lite is the "TRACER ARM".
An Assisting Arm with Position Detection Function for Handy 2000 Lite!
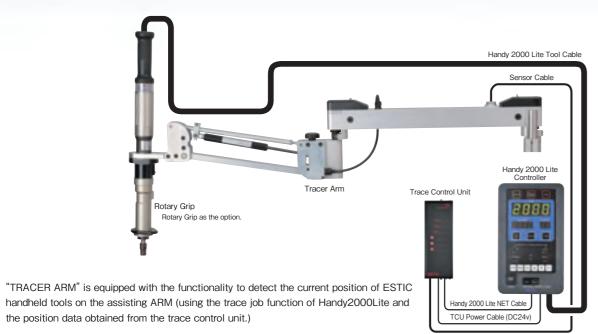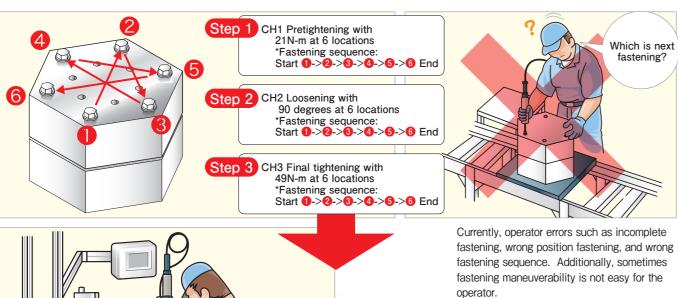
■ **Eliminating operator errors!** ■ **Eliminating reaction force!**
■ **Improving operating efficiency!** ■ **Simple Configuration!**

Handy 2000 Lite Tool Cable

Sensor Cable

Handy 2000 Lite Controller

Tracer Arm

Trace Control Unit

Rotary Grip
Rotary Grip as the option.

Handy 2000 Lite NET Cable
TCU Power Cable (DC24v)

"TRACER ARM" is equipped with the functionality to detect the current position of ESTIC handheld tools on the assisting ARM (using the trace job function of Handy2000Lite and the position data obtained from the trace control unit.)

Step 1 CH1 Pretightening with 21N-m at 6 locations
*Fastening sequence:
Start ❶->❷->❸->❹->❺->❻ End

Step 2 CH2 Loosening with 90 degrees at 6 locations
*Fastening sequence:
Start ❶->❷->❸->❹->❺->❻ End

Step 3 CH3 Final tightening with 49N-m at 6 locations
*Fastening sequence:
Start ❶->❷->❸->❹->❺->❻ End

Which is next fastening?

Currently, operator errors such as incomplete fastening, wrong position fastening, and wrong fastening sequence. Additionally, sometimes fastening maneuverability is not easy for the operator.
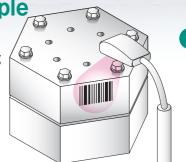
Adopting this "TRACER ARM"with functionality of detecting the current position of ESTIC handheld tool on the assisting ARM interlocking fastening each positions, The operator can eliminate current errors and also perform fastening with easy handling.
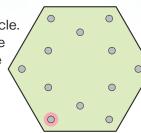
Work Flow Example

❶ Read the bar code on the application, and fastening program is automatically selected.

❷ Model information selected by the Bar code reader is sent to the Touch screen, and fastening position is displayed in a pink circle.
*The application image is pre registered in the Touch screen

❸ Touch screen guides the Operator to the position to be fastened next. By following the Touch screen, Operator can complete sequenced fastening.

❹ Fastening Data (Fastening results) can be stored in the Controller.

❺ Fastening Data (Fastening results) can be sent to the plant's server as well.

【TRACER ARM SYSTEM CONFIGURATION ITEMS LIST】

Arm Model		EH2-TA0505-*-AT1	EH2-TA0505-*-AT1G	EH2-TA0505-*-AT2	EH2-TA0505-*-AT2G	EH2-TH0505-*-AT3	EH2-TH0505-*-AT3G	EH2-TH0505-*-AT4	EH2-TH0505-*-AT4G
			with Rotating grip		with Rotating grip		with Rotating grip		with Rotating grip
1	Applicable Tool Model	EH2-R0005-SL/SP EH2-R0010-SL/SP	EH2-R0005-SC EH2-R0010-SC	EH2-R1016-S EH2-R1020-S		EH2-R2035-S		EH2-R2055-S EH2-R2085-S EH2-R2120-S	
2	Tool Cable	EH2-CVS**-SS (please see page 31)							
3	Rotating Grip	–	EH2-RG01 (attachements for EH2-TA0505-*AT1G)	–	EH2-RG02 (attachements for EH2-TA0505-*AT2G)	–	EH2-RG03 (attachements for EH2-TA0505-*AT3G)	–	EH2-RG04 (attachements for EH2-TA0505-*AT4G)
4	Cable for Rotating Grip (Rotating grip side)	–	EH2-CVG1-001 (attachements for EH2-TA0505-*AT1G)	–	EH2-CVG2-050 (attachements for EH2-TA0505-*AT2G)	–	EH2-CVG2-050 (attachements for EH2-TA0505-*AT3G)	–	EH2-CVG2-050 (attachements for EH2-TA0505-*AT4G)
5	Cable for Rotating Grip (Controllerl side)	–	–	–	EH2-CVG3-003 (attachements for EH2-TA0505-*AT2G)	–	EH2-CVG3-003 (attachements for EH2-TA0505-*AT3G)	–	EH2-CVG3-003 (attachements for EH2-TA0505-*AT4G)
6	ELAY/EXT IN Connector (wired with EH2-CVG3-003)	–	–	–	EH2-FCN13-RL (attachements for EH2-TA0505-*AT2G)	–	EH2-FCN13-RL (attachements for EH2-TA0505-*AT3G)	–	EH2-FCN13-RL (attachements for EH2-TA0505-*AT4G)
7	Resolver Cable	EH2-CVR3-010 (1m), EH2-CVR3-050 (5m)							
8	NET Cable	EH2-CVNK-*** (please see page 33)							
9	Trace Control Unit	EH2-TCU-N (standard type), EH2-TCU-E (with extended I/O)							
10	TCU Power cable	EH2-CVDC-030 (attachements for Trace Control Unit)							
11	Termination Resistor	EH2-CNST (required 2 pieces)							
12	TCU Bracket	EH2–TCU–BRKT2							
13	Arm Mount Bracket	EH2-SAFM500 (for floor mounting) EH2-SAWM200 (for wall mounting)				EH2-HAFM500 (for floor mounting)			

Note : *mark in the arm model EH2-TA0505-* and EH2-TH0505-* is replaced with the symbol of operation type of the arm to complete the model number.
R : Right arm type   L : Left arm type