mountz®
the torque tool specialists

PRODUCT BROCHURE
e-DRIV® EC & ECT-SERIES

"HAND ME THE MOUNTZ!"

Mountz e-DRIV® ECT-Series Transducerized Smart Electric Screwdrivers and Mountz e-DRIV® EC-Series Smart Electric Screwdrivers

SAFEGUARDING AGAINST FASTENING FAILURES

- Error-proof the fastening process
- Programmable fastening sequences and workflows
- Data collection—record and store torque and fastening data
- Single automation fastening system replaces up to 15 power tools
- Achieve multiple fastening tasks with one tooling system
- Digital I/O allows interfacing with a machine & PLC interface for line control
- Transducerized Tool—traceability, superior accuracy and precision
- Free product software—no annual licensing required—savings of $2K

ENGINEERED IN SILICON VALLEY
MOUNTZ
SINCE 1965

QUALITY IS AT THE HEART OF EVERYTHING WE DO

Relied on by leaders in aviation, automotive, transportation, medical and electronic-all industries in which error-proofing process control is critical.

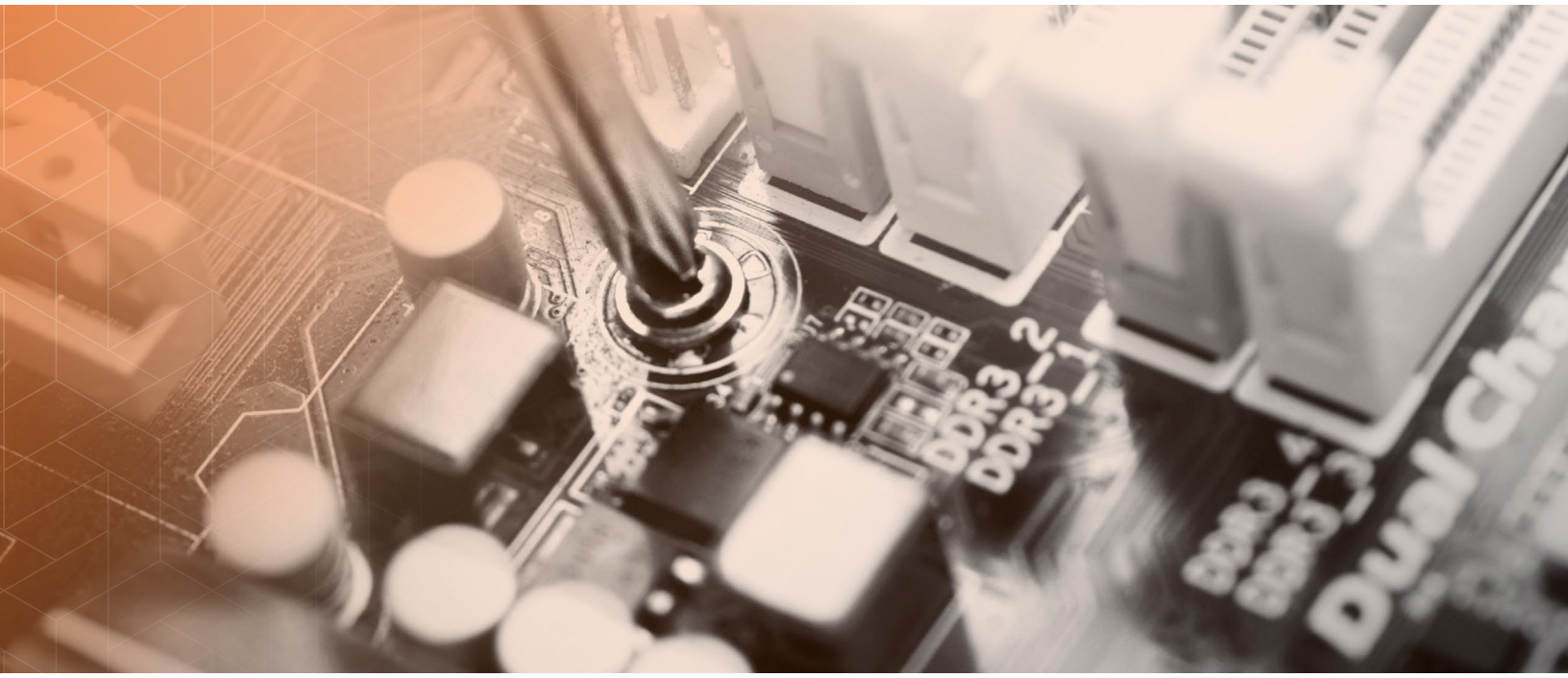
The all-in-one transducerized smart electric screwdriver system screwdriver system that delivers productivity and quality advantages in complex manufacturing environments

Mountz's all-in-one transducerized smart electric screwdriver solution screwdriver system safeguards against fastening failures for quality-minded engineers with critical industrial manufacturing applications requiring documented precision and accuracy torque control. The EC and ECT-Series are available only through Mountz Torque, a durable torque and automation control system engineered for precise, accurate and repeatable torque control. The high-performance torque fastening system allows manufacturers to optimize the assembly area, reduce labor costs and increase productivity.

The screwdriver system can implement multiple fastening strategies for sensitive and difficult assembly joints. The system increases productivity as one tool can be programmed to do the job of numerous conventional tools, saving time, maintenance cost, space, and training.

Error-proofing manufacturing increases assurance in critical assembly operations

The error-proofing system eliminates manufacturing risks and prevents product defects. Easily program the controllers with fastening workflows and torque tolerances for each fastener in the sequence. The screwdriver system provides error-proofing capabilities that track each screw the tools fasten. Program the controller not to clear an assembly until the completion of all the fastening events. When a fastening error occurs, the torque control system will detect it, flag it, and prevent the product from moving further down the line. The Industry 4.0 error-proofing tool has I/O interfaces that enable manufacturing integration for line control monitoring techniques. The IoT connected automation tool improves production and quality by collecting and storing data and providing real-time transparency in a manufacturer's assembly operations. Such real-time transparency enables quality assurance personnel to detect any fastening issues as soon as they arise.



Easier process control and compliance

The torque control system expedites all aspects of the automation process, from installing error-proofing disciplines to adaptive fastening strategies. A single Mountz DC control automation system replaces up to 15 power tools. The assembly tool reduces tooling costs and improves operations by optimizing a company's manufacturing footprint. Achieve multiple fastening tasks with one tooling system. The assembly tool gives you the flexibility you need to carry out varied and complicated manufacturing plans. The ECT-Series is a transducerized tool that features a built-in sensor that is continually measuring torque in real-time and feeding data back into the system. Mountz intelligent screwdriver system offers maximum production results and product oversight with a built-in screw counter and error-proofing software. And by providing documented fastening results, Mountz DC control tools also make regulatory compliance effortless.

Fastening workflows

Enhance your manufacturing process reliability and efficiency. The controller allows you to establish standardize automated fastening workflows and sequencing events, ensuring the correct torque is delivered, time after time. Group similar processes and assign a set of standardized tasks: program fastening sequences and torque tolerances for each fastener in a sequence for sensitive and difficult assembly joints. The flexible screwdriver system provides benefits for improving consistency and quality.

Preset parameter settings

Each preset setting has the following programmable parameters:

PRESET SETTINGS	PROGRAMMABLE PARAMETERS
Tightening Mode	Torque control + angle monitoring (TC/AM) Angle control + torque monitoring (AC/TM)
Torque	Target torque, min/max torque, snug torque, seating torque, torque compensation
Angle	Target angle, min/max angle, free speed angle
Speed	Target speed, Free speed, Ramp up speed
Time	Soft start time, torque rising time, torque holding time
Thread Tapping	Target torque, min/max thread torque, speed, angle start
Screw Counting	Cycle start signal, time limit, total screw count, count port signal type

Sequence control

Mountz DC control tools are easy to program and can remember up to 30 process sequences with 20 program steps. The tool gives you the flexibility you need to carry out varied and complicated manufacturing plans.

Example with sample program of sequence control





STEP 1
Input
Detect workpiece arrival on the position

→

STEP 2
Delay
Time delay 0.5 seconds to the next step

→

STEP 3
Output
Lock the workpiece with an air cylinder

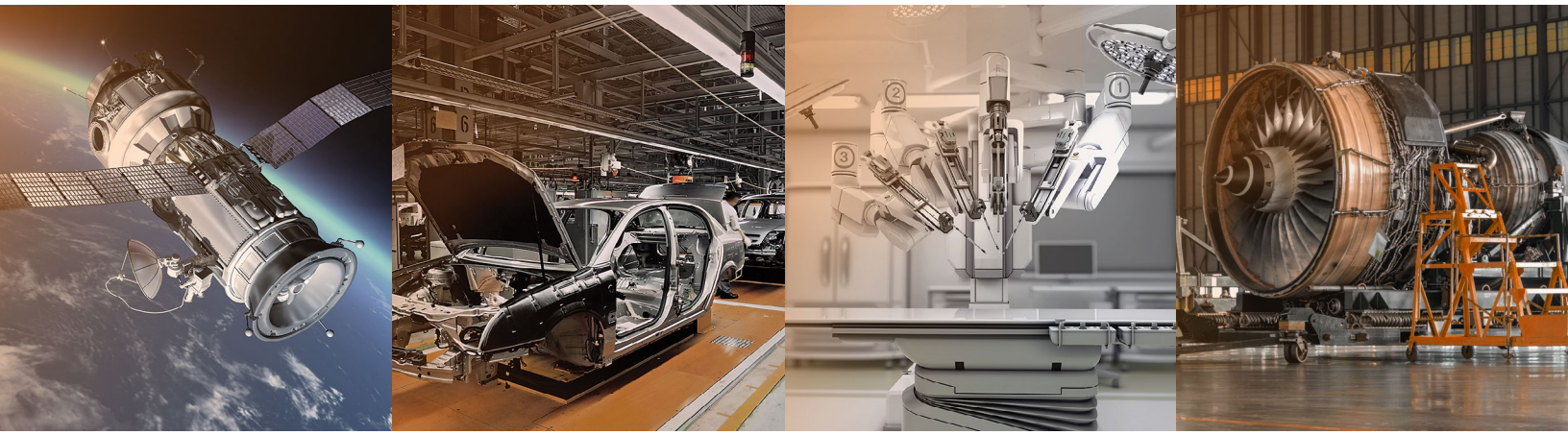
→

STEP 4
Tightening
Tightening total 7 with Preset #12

→

STEP 5
Output
Release the workpiece from an air cylinder lock

Note: Can configure up to 15 presets and 15 models, consisting of up to 20 steps for each model.



Fastening automation workflows

Assembly designs are getting more and more complex, while production speeds continue to increase. To compete, lean manufacturers strive to complete more work with fewer tools and automating workflow processes.

Adding a bar code scanner option to the torque control system allows the operator to instantly select and activate a programmed fastening event on the controller. A bar code scanner can scan the bar code to trigger the correct event and capture and record the data for each run down by assigning a bar code to a fastening event. This capability is an error-proofing technique that permanently links the fastening data with the right part. Combined with built-in error-proofing software, the automation tools offer maximum production results and product oversight. And by providing documented fastening results, these precision tools also make regulatory compliance effortless.

Error-proofing the assembly process by automatically verifying the scanned part against a predefined fastening process or real-time verification will provide substantial savings in rework, repair, and even recall costs.

PRODUCT OVERVIEW

FEATURE	WHAT IS IT?	ADVANTAGE	END USER BENEFIT
Data Collection	• Process of recording and storing the torque & fastening data	• Automate data collection • Data centralization • Uniform data • Accurate real-time and historical information	• Ensure conformity with quality standards & regulatory compliances • Accumulate fastening data efficiently into a database • Capturing and analyzing data • Document the assembly process
Error-Proofing	• Mistake-proofing • Implementation of fail-safe process and mechanism	• Ensures correct torque is applied • Eliminates risk in the process • Prevent fastening failures • Real-time monitoring and error detections	• Prevent defects • Reduce scrap rates • Ensure high-quality standards • Improve productivity & quality • Safeguards against fastening failures
Screw Counting	• Count the number of screws delivered • Detect and display fastening errors	• Detects cross-threading, omissions, unfinished rundowns	• Improve production efficiency • Monitor the assembly process
Process Control	• Program assembly sequences & torque tolerances for each fastener • Group similar processes and assign a set of standardized tasks	• Create standardize fastening workflows • Optimize the tightening process • Streamline assembly workflow processes	• Enhance process reliability & efficiency • Reduce processing time • Improve consistency and quality • Decrease downtime
Productivity	• Achieve multiple fastening tasks with one tooling system	• A single tool system replaces up to 15 tools • Increase tooling efficiency • Lean manufacturing	• Increase production rate • Reduce tooling costs • Minimize the number of workstations • Optimize workstation cycle time • DC integrates with existing process control software
I/O Interface	• Enables integration for line control monitoring techniques • 4.0 MES system ready	• Monitor fastening processes and tasks • Industry 4.0 equipped automation tool	• Real-time monitoring and notifications • Digital signals for communication with external devices such as PLC
Automation	• Industrial fastening automation • Intelligent process automation	• Replace manual processes • Easy integration into a production line • Reduce production costs and time	• Maximize production capacity • Lower production lead times & bottlenecks. • Flexible and agile to respond to demand shifts
Torque Data Analysis	• Fastening torque data analysis	• Performance metrics & equipment effectiveness • Data-driven manufacturing • Standard Deviation, • Mean, Average, CP, CPK analytics	• Tool data management • Predictive tool maintenance. • Improve productivity and profitability • Gain visibility into fastening process data • Optimize manufacturing process
Transducerized Tools	• Tool equipped with a transducer inside	• Transducer is constantly measuring torque in real-time and feeding data back into the system. • High degree of precision	• Ensures fastening precision and accuracy • Enhance the detection of fastening errors • A documented and traceable torque tool

ECD and ECTD controllers for EC and ECT electric screwdrivers

- Preset selection capability: Front panel or 25P I/O
- Angle Control: 0.1 - 10 turns
- 15 Preset Parameters: Torque, Speed, Soft Start & Angle
- Auto-detection of a connected electric screwdriver when the controller is powered on*
- Error display: Error code display (3 groups)
- Fastening Quality Control: OK/NG monitoring of screw fastening by preset pattern of angle and/or time
- PC based program for parameter settings, monitoring and real-time output
- Screw counting
- Front panel 7” Color LCD with touch screen
- 8 Input & 8 Output flexible I/O (25P D-Sub)
- Communication 1 x RS232C, 1 x Ethernet
- Protocol: Modbus, Open Protocol
- 4.0 MES system ready
- SD Card data memory slot (memory card included)
- Mounting bracket included

SPECIFICATIONS

Input (Electric):
AC120VC / AC230V, 50/60Hz
Output (Electric): DC38V 3.5A

Dimension (W x L x H): 7 1/2” x 8” x 10 1/4”

Weight: 8.6 lbs

110V CONTROLLERS

ECD-5000U Controller
Item #313000
For electric screwdriver models: EC-Series

ECTD-4000U Controller
Item #313003
For electric screwdriver models: ECT-Series

230V CONTROLLERS

ECD-5000E Controller
Item #313002
For electric screwdriver models: EC-Series

ECTD-4000E Controller
Item #313004
For electric screwdriver models: ECT-Series

*Note: Cannot simply swap electric screwdriver models without going through a few setup steps, as all of the parameter values stored with the ECD and ECTD controller are related to the prior connected electric screwdriver model.

Modbus protocol communication

ECD and ECTD provide the Modbus RTU for RS232 and Modbus TCP/IP for the Ethernet port connection.

MODBUS RTU

Slave ID	F Code	Data	CRC

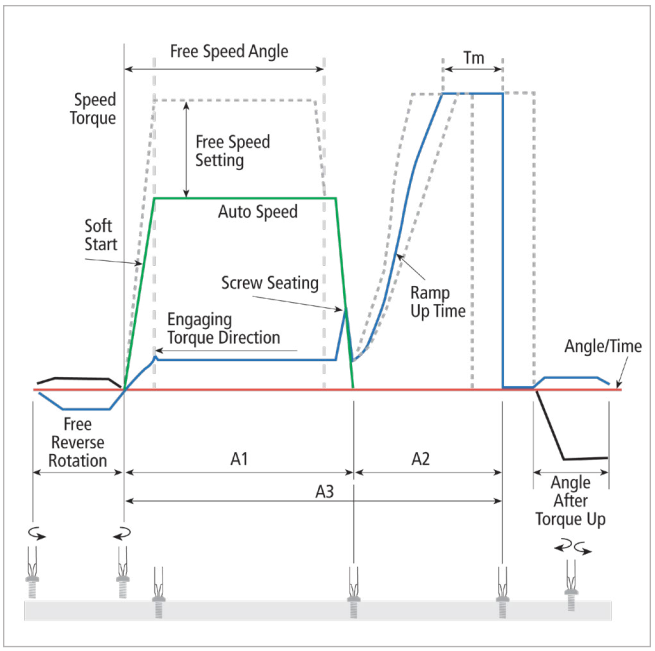
MODBUS TCP/IP ADU

Transaction ID	Protocol ID	Length	Unit ID	F Code	Data	CRC

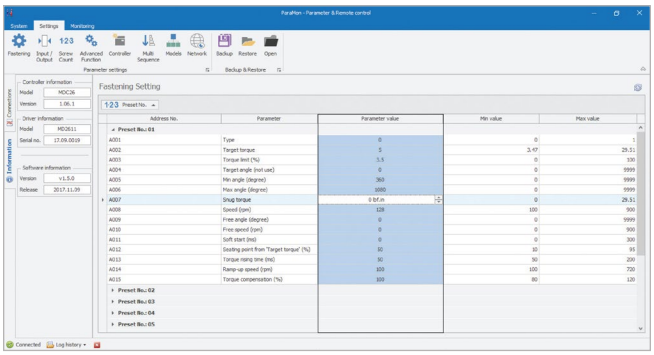
Software

Collect and store essential quality data in a repository for data analytics, regulatory compliance, and traceability.

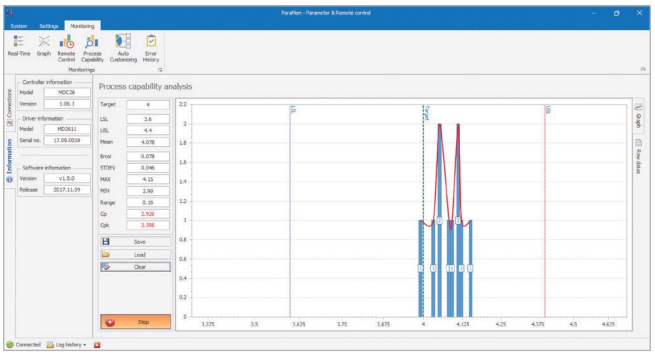
- Provides easy workflow and parameter settings, data monitoring & analysis
- 2 channel real-time curve display for torque, speed, angle
- Torque capability analysis for mean value, standard deviation, CP, and CPK
- Auto data output on every event in the Modbus protocol
- Free product software and upgrade—no annual licensing required



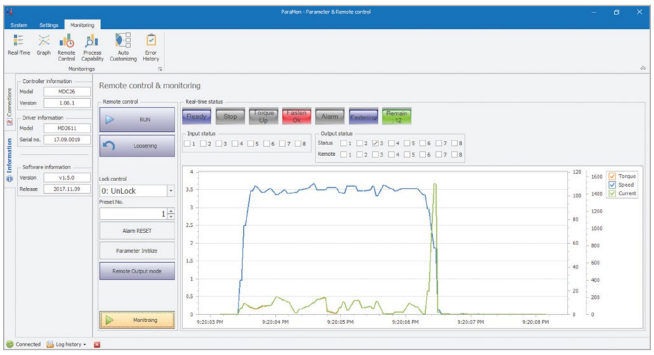
FASTENING PARAMETER SETTING



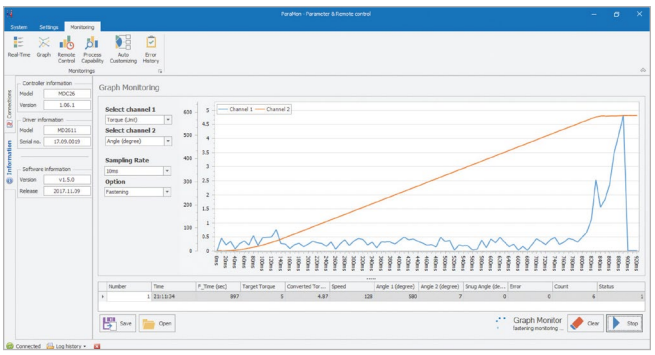
PROCESS CAPABILITY ANALYSIS



REMOTE CONTROL MONITORING



REAL-TIME GRAPH MONITORING (2 CHANNEL)



Mountz ECT-Series transducerized smart electric screwdrivers

IN-LINE TRANSDUCERIZED MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
ECT50100	313034	Lever Start	7.08–35.4	0.8–4	100–1800	1 1/2"	11 1/8"	1/4" F/Hex	1.8 lbs
ECT50104	313035	Lever Start	7.08–35.4	0.8–4	100–1800	1 1/2"	11 1/8"	3/8" Sq. Dr.	1.8 lbs
ECT50150	313036	Lever Start	13.28–66.38	1.5–7.5	100–950	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs
ECT50154	313037	Lever Start	13.28–66.38	1.5–7.5	100–950	1 1/2"	11 1/8"	3/8" Sq. Dr.	2 lbs
ECT50200	313038	Lever Start	15.58–78.06	1.76–8.82	50–690	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs
ECT50204	313039	Lever Start	15.93–79.65	1.8–9	50–690	1 1/2"	11 1/8"	3/8" Sq. Dr.	2 lbs
ECT50300	313040	Lever Start	24.78–123.9	2.8–14	50–470	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs
ECT50304	313041	Lever Start	24.78–123.9	2.8–14	50–470	1 1/2"	11 1/8"	3/8" Sq. Dr.	2 lbs
ECT50554	313042	Lever Start	47.79–238.95	5.4–27	50–260	1 1/2"	11 1/8"	3/8" Sq. Dr.	2.3 lbs
ECT50704	313043	Lever Start	61.95–309.75	7–35	50–180	1 1/2"	11 5/8"	3/8" Sq. Dr.	2.5 lbs
ECT50854	313045	Lever Start	88.5–442.5	10–50	50–135	1 1/2"	11 5/8"	3/8" Sq. Dr.	2.5 lbs

PISTOL GRIP TRANSDUCERIZED MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
ECT50100-PB ECT50100-PT	313047 313062	Pistol Grip	7.97–39.83	0.9–4.5	100–1800	2"	8 1/2"	1/4" F/Hex	2.2 lbs
ECT50104-PB ECT50104-PT	313048 313063	Pistol Grip	7.97–39.83	0.9–4.5	100–1800	2"	8 1/2"	3/8" Sq. Dr.	2.2 lbs
ECT50120-PB ECT50120-PT	313049 313064	Pistol Grip	11.51–57.53	1.3–6.5	100–1250	2"	8 1/2"	1/4" F/Hex	2.2 lbs
ECT50124-PB ECT50124-PT	313050 313065	Pistol Grip	11.51–57.53	1.3–6.5	100–1250	2"	8 1/2"	3/8" Sq. Dr.	2.2 lbs
ECT50200-PB ECT50200-PT	313051 313066	Pistol Grip	20.36–107.78	2.3–11.5	50–690	2"	8 1/2"	1/4" F/Hex	2.4 lbs
ECT50204-PB ECT50204-PT	313052 313156	Pistol Grip	20.36– 107.78	2.3–11.5	50–690	2"	8 1/2"	3/8" Sq. Dr.	2.4 lbs
ECT50300-PB ECT50300-PT	313053 313067	Pistol Grip	28.32–141.6	3.2–16	50–470	2"	8 1/2"	1/4" F/Hex	2.4 lbs
ECT50304-PB ECT50304-PT	313054 313068	Pistol Grip	28.32–141.6	3.2–16	50–470	2"	8 1/2"	3/8" Sq. Dr.	2.4 lbs
ECT50500-PB ECT50500-PT	313055 313069	Pistol Grip	42.48–212.4	4.8–24	50–310	2"	8 1/2"	1/4" F/Hex	2.4 lbs
ECT50504-PB ECT50504-PT	313056 313070	Pistol Grip	42.48–212.4	4.8–24	50–310	2"	8 1/2"	3/8" Sq. Dr.	2.4 lbs
ECT50604-PB ECT50604-PT	313057 313071	Pistol Grip	58.41–292.05	6.6–33	50–200	2"	8 1/2"	3/8" Sq. Dr.	2.6 lbs
ECT50804-PB ECT50804-PT	313058 313072	Pistol Grip	70.8–354	8–40	50–160	2"	8 1/2"	3/8" Sq. Dr.	2.6 lbs
ECT50904-PB ECT50904-PT	313060 313074	Pistol Grip	88.5–442.5	10–50	50–115	2"	8 1/2"	3/8" Sq. Dr.	2.6 lbs

Note: PB models have power tool cable connection located at the bottom grip section of the tool.
PT models have power tool cable connection located at the top section of the tool.

Mountz ECT-Series transducerized smart electric screwdrivers continued

RIGHT ANGLE TRANSDUCERIZED MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
ECT50100-RA	313076	Right Angle	7.08–35.4	0.8–4	100–1800	2"	13 1/2"	1/4" F/Hex	2.8 lbs
ECT50104-RA	313077	Right Angle	7.08–35.4	0.8–4	100–1800	2"	13 1/2"	3/8" Sq. Dr.	2.8 lbs
ECT50150-RA	313078	Right Angle	13.28–66.38	1.5–7.5	100–950	2"	13 1/2"	1/4" F/Hex	3 lbs
ECT50154-RA	313079	Right Angle	13.28–66.38	1.5–7.5	100–950	2"	13 1/2"	3/8" Sq. Dr.	3 lbs
ECT50200-RA	313080	Right Angle	15.93–79.65	1.8–9	50–690	2"	13 1/2"	1/4" F/Hex	3 lbs
ECT50204-RA	313081	Right Angle	15.93–79.65	1.8–9	50–690	2"	13 1/2"	3/8" Sq. Dr.	3 lbs
ECT50300-RA	313082	Right Angle	24.78–123.9	2.8–14	50–470	2"	13 1/2"	1/4" F/Hex	3 lbs
ECT50304-RA	313083	Right Angle	24.78–123.9	2.8–14	50–470	2"	13 1/2"	3/8" Sq. Dr.	3 lbs
ECT50554-RA	313084	Right Angle	47.79–238.95	5.4–27	50–260	2"	13 1/2"	3/8" Sq. Dr.	3.3 lbs
ECT50704-RA	313085	Right Angle	61.95–309.79	7–35	50–180	2"	13 1/2"	3/8" Sq. Dr.	3.5 lbs
ECT50854-RA	313087	Right Angle	88.5–442.5	10–50	50–135	2"	13 1/2"	3/8" Sq. Dr.	3.5 lbs

ROBOTIC TRANSDUCERIZED MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
ECT50100-R	313089	Remote Start	7.97–39.83	0.9–4.5	100–1800	1 1/2"	13 1/8"	1/4" F/Hex	2.4 lbs
ECT50104-R	313090	Remote Start	7.97–39.83	0.9–4.5	100–1800	1 1/2"	13 1/8"	3/8" Sq. Dr.	2.4 lbs
ECT50200-R	313091	Remote Start	20.36–101.78	2.3–11.5	50–690	1 1/2"	13 1/8"	1/4" F/Hex	2.4 lbs
ECT50204-R	313092	Remote Start	20.36–101.78	2.3–11.5	50–690	1 1/2"	13 1/8"	3/8" Sq. Dr.	2.4 lbs
ECT50300-R	313093	Remote Start	28.32–141.6	3.2–16	50–470	1 1/2"	13 1/8"	1/4" F/Hex	2.4 lbs
ECT50304-R	313094	Remote Start	28.32–141.6	3.2–16	50–470	1 1/2"	13 1/8"	3/8" Sq. Dr.	2.4 lbs
ECT50500-R	313095	Remote Start	42.48–212.4	4.8–24	50–310	1 1/2"	13 1/8"	1/4" F/Hex	2.7 lbs
ECT50504-R	313096	Remote Start	42.48–212.4	4.8–24	50–310	1 1/2"	13 1/8"	3/8" Sq. Dr.	2.7 lbs
ECT50604-R	313097	Remote Start	58.41–292.05	6.6–33	50–200	1 1/2"	13 1/8"	3/8" Sq. Dr.	2.7 lbs
ECT50804-R	313098	Remote Start	70.8–354	8–40	50–160	1 1/2"	13 5/8"	3/8" Sq. Dr.	2.8 lbs
ECT50904-R	313100	Remote Start	88.5–442.5	10–50	50–115	1 1/2"	13 5/8"	3/8" Sq. Dr.	2.8 lbs

Mountz EC-Series smart electric screwdrivers

IN-LINE MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
EC50000	313006	Lever Start	1.8–10.4	0.2–1.17	150–2000	1 1/2"	11 1/8"	1/4" F/Hex	1.8 lbs
EC50050	313007	Lever Start	3.8–19	0.43–2.15	150–2000	1 1/2"	11 1/8"	1/4" F/Hex	1.8 lbs
EC50100	313008	Lever Start	6.9–34.7	0.78–3.92	150–1500	1 1/2"	11 1/8"	1/4" F/Hex	1.8 lbs
EC50150	313009	Lever Start	13–65	1.47–7.35	50–950	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs
EC50200	313010	Lever Start	15.6–78.1	1.76–8.82	50–690	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs
EC50300	313011	Lever Start	24.2–121.5	2.74–13.73	50–470	1 1/2"	11 1/8"	1/4" F/Hex	2 lbs

PISTOL GRIP MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
EC50000-PB EC50000-PT	313012 313017	Pistol Grip	1.8–10.4	0.2–1.17	150–2000	2"	8 1/2"	1/4" F/Hex	2.2 lbs
EC50050-PB EC50050-PT	313013 313018	Pistol Grip	3.8–19	0.43–2.15	150–2000	2"	8 1/2"	1/4" F/Hex	2.2 lbs
EC50100-PB EC50100-PT	313014 313019	Pistol Grip	6.9–34.7	0.78–3.92	150–1500	2"	8 1/2"	1/4" F/Hex	2.2 lbs
EC50200-PB EC50200-PT	313015 313020	Pistol Grip	15.6–78.1	1.76–8.82	50–690	2"	8 1/2"	1/4" F/Hex	2.2 lbs
EC50300-PB EC50300-PT	313016 313021	Pistol Grip	24.2–121.5	2.74–13.73	50–470	2"	8 1/2"	1/4" F/Hex	2.4 lbs

Note: PB models have power tool cable connection located at the bottom grip section of the tool.
PT models have power tool cable connection located at the top section of the tool.

Mountz EC-Series smart electric screwdrivers continued

RIGHT ANGLE MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
EC50000-RA	313022	Right Angle	1.8–10.4	0.2–1.17	150–2000	2"	13 1/2"	1/4" F/Hex	2.8 lbs
EC50050-RA	313023	Right Angle	3.8–19	0.43–2.15	150–2000	2"	13 1/2"	1/4" F/Hex	2.8 lbs
EC50100-RA	313024	Right Angle	6.9–34.7	0.78–3.92	150–1500	2"	13 1/2"	1/4" F/Hex	2.8 lbs
EC50150-RA	313025	Right Angle	13–65	1.47–7.35	50–950	2"	13 1/2"	1/4" F/Hex	3 lbs
EC50200-RA	313026	Right Angle	15.6–78.1	1.76–8.82	50–690	2"	13 1/2"	1/4" F/Hex	3 lbs
EC50300-RA	313027	Right Angle	24.2–121.5	2.74–13.73	50–470	2"	13 1/2"	1/4" F/Hex	3 lbs

ROBOTIC MODELS

MODEL	ITEM NO.	DRIVER TYPE	TORQUE RANGES		ADJUSTABLE SPEED RPM	GRIP DIAMETER	LENGTH	DRIVE SIZE	WEIGHT
			LBF.IN	N.M					
EC50000-R	313028	Remote Start	1.8–10.4	0.2–1.17	150–2000	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs
EC50050-R	313029	Remote Start	3.8–19	0.43–2.15	150–2000	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs
EC50100-R	313030	Remote Start	6.9–34.7	0.78–3.92	150–1500	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs
EC50150-R	313031	Remote Start	13–65	1.47–7.35	50–950	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs
EC50200-R	313032	Remote Start	15.6–78.1	1.76–8.82	50–690	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs
EC50300-R	313033	Remote Start	24.2–121.5	2.74–13.73	50–470	1 1/2"	13 5/8"	1/4" F/Hex	2.4 lbs

ACCESSORIES

Vertical Controller Stand

The vertical stand is an accessory option to mount the ECD or ECTD Controller for placement on an assembly workbench station.

Vertical Controller Stand
Item #310203

Bit Socket Trays

Error-proofing solution minimizes the risk of errors by automatically selecting the correct torque according to the chosen socket or bit. The device connects to the ECD or ECTD controller. It will improve productivity and reduce operator errors. Saves downtime by automatically changing program settings for multiple fastening sequences and workflows.

LCD MODELS

Bit Socket Tray (4 bit holders)
Item #310185
Includes four 7.5 mm bit holders

Bit Socket Tray (8 bit holders)
Item #310186
Includes eight 7.5 mm bit holders

Bit Socket Tray (12 bit holders)
Item #310187
Includes twelve 7.5 mm bit holders.

Bit Socket Tray (16 bit holders)
Item #310188
Includes sixteen 7.5 mm bit holders

STANDARD MODELS

Bit Socket Tray (4 bit holders)
Item #310092
Includes four 7.5 mm bit holders

Bit Socket Tray (8 bit holders)
Item #310093
Includes eight 7.5 mm bit holders

Bit Socket Tray (12 bit holders)
Item #310194
Includes twelve 7.5 mm bit holders

Note: Additional bit holder insert sizes are available. See options on the next page.

Bit socket configuration process

The Bit Socket Tray system requires three components:

1. Select Bit Socket Tray option (see previous page)
2. Add SMPS adapter
3. Select communication cable that connects the Bit Socket Tray to the ECD and ECTD Controller

SMPS Adapter (24VDC 1A)
Item #310102
Includes a UL 2P 110V Power cord plug.*

Power Cord for SMPS Adapter (220V CE Plug)
Item #310110

Cable 25P I/O (M-M) 3 meters
Item #310112

Cable 25P I/O (M-M) 5 meters
Item #310115

*Note: For 220V, purchase Item #310110 along with #310102

Bit Holders

Additional bit holder inserts can be purchased separately for the bit socket tray.

Bit Holder (Hole size 18mm)
Item #310104

Bit Holder (Hole size 15mm)
Item #310105

Bit Holder (Hole size 10mm)
Item #310106

Bit Holder (Hole size 7.5mm)
Item #310107

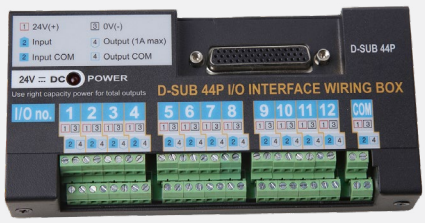
Bit Holder (Hole size 3mm)
Item #310108

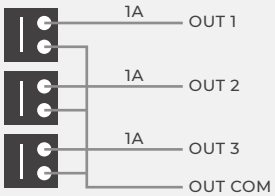
Bit Holder (Plain)
Item #310109

44P I/O Wiring Box

It provides easy and convenient wiring for 12 inputs and outputs for a ECD, ECTD or ADC controller by sharing one single 24V power source (Input power: 24VDC 1A).

A I/O Cable is needed to connect to a controller.





I/O Wiring Box
Item #310055

Note: It requires an AC Adapter, Item #310102

I/O Cable 3m
(44P male to 25P male)
Item #310057

D_SUB 44P									
1	In 1	10	In 10	19	Out 4	28	–	37	Out Com
2	In 2	11	In 11	20	Out 5	29	Out Com	38	–
3	In 3	12	In 12	21	Out 6	30	Out Com	39	–
4	In 4	13	–	22	Out 7	31	24V+	40	–
5	In 5	14	In Com	23	Out 8	32	24V+	41	–
6	In 6	15	In Com	24	Out 9	33	24V+	42	–
7	In 7	16	Out 1	25	Out 10	34	–	43	–
8	In 8	17	Out 2	26	Out 11	35	Out Com	44	–
9	In 9	18	Out 3	27	Out 12	36	Out Com		

Power tool cables

Each EC and ECT electric screwdriver is supplied with the standard 3-meter length cable. The driver cable connects the EC and ECT-Series electric screwdriver to the ECD or ECTD controller.

STANDARD POWER TOOL CABLES
TOOL CABLES FOR EC-SERIES

3m length cable
Item #310056

5m length cable
Item #310088

8m length cable
Item #310166

STANDARD POWER TOOL CABLES
FOR ECT-SERIES

3m length cable
Item #310210

5m length cable
Item #310211

8m length cable
Item #310212

10m length cable
Item #310213

HEAVY DUTY POWER TOOL CABLES
TOOL CABLES FOR EC-SERIES

The cable is reinforced with a coiled metal spring

3m length cable
Item #310190

5m length cable
Item #310191

8m length cable
Item #310192

ECD and ECTD controller cables

Various supporting cables for the controllers.

RS232 Cable
(DB9 male x DB9 female, 2m)
Item #773856

Cable
(USB to RS232 adapter)
Item #773069

I/O Cable 3m
(44P male to 25P male)
Item #310057

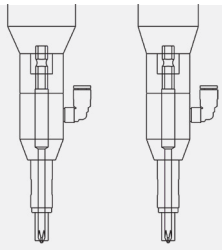
Vacuum adapter kits

Vacuum adapter kits can be mounted on an electric screwdriver. The screwdriver is fitted with a suction head that holds the screw on the bit, enabling the operator to pick it up with the tool itself. This kit is a useful, time-saving device that works with most fasteners.

Item #310075
Specification: For 1/4 F/Hex Dr, M20
Bit: Ohmi V-17, 70mmL
Screwdriver types: EC-50000, EC-50050, ECT-50000, ECT-50050

Item #310076
Specification: For 1/4 F/Hex Dr, M23
Bit: Ohmi V-17, 70mmL
Screwdriver types: EC-50100, EC-50150, EC-50200, EC-50300, ECT-50100, ECT-50150, ECT-50200, ECT-50300

Note: Mouthpiece and bit purchased separately.



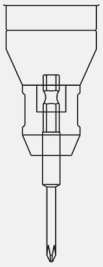
OHMI V-05 DIA 4MM–64ML

OHMI V-17 HEX 1/4–70ML

Torque cover bit holders

Provides better bit concentricity for a long length bit.

Item #310078
Specification: For 1/4 F/Hex Dr, M20
Bit: Ohmi V-17, 70mmL
Screwdriver types: EC-50000, EC-50050, ECT-50000, ECT-50050



Item #310079
Specification: For 1/4 F/Hex Dr, M23
Bit: Ohmi V-17, 70mmL
Screwdriver types: EC-50100, EC-50150, EC-50200, EC-50300, ECT-50100, ECT-50150, ECT-50200, ECT-50300

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ABOUT MOUNTZ

Mountz, The Torque Tool Specialists®, has been a leader in the torque tool industry for more than 50 years. Engineered in the Silicon Valley and serving the globe, Mountz focuses on delivering high-quality torque products, services, and solutions to ensure customers can always proceed with confidence. We are committed to forging a safer world through precision and accuracy, and by innovating every day.

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