

Desoutter



E-PULSE

**Battery Low
Reaction Tool**

BOOST YOUR
PRODUCTIVITY

BOOST YOUR
FLEXIBILITY

BOOST YOUR
UP TIME

More Than Productivity

Industrial Tools



E-PULSE

BATTERY



Focus

Patented Motor Control Algorithm
To reduce the reaction force

OLED Display
For tightening results like torque,
angle, batch count, pulses

4 Color Reporting LED
To maximize the real-time feedback

Hall-Effect Sensor
To measure tightening angle, for
error proofing

Powered by Lithium-ion Technology
Compatible with both 18V
and 36V battery



desoutter.info/ELRT



Transducer Technology
Measure the torque directly,
for better accuracy

Mechanical Gearbox
Instead of oil pulse unit, to
decrease maintenance cost

4 Bright LEDs
To illuminate the application,
and to give real-time
feedback directly on the parts

Effortless Trigger
To minimize operator fatigue

2 Battery Positions
For better access, and
better tool balance

BOOST YOUR PRODUCTIVITY

- By reducing cycle time
- By improving joint quality
- By providing process quality

BOOST YOUR FLEXIBILITY

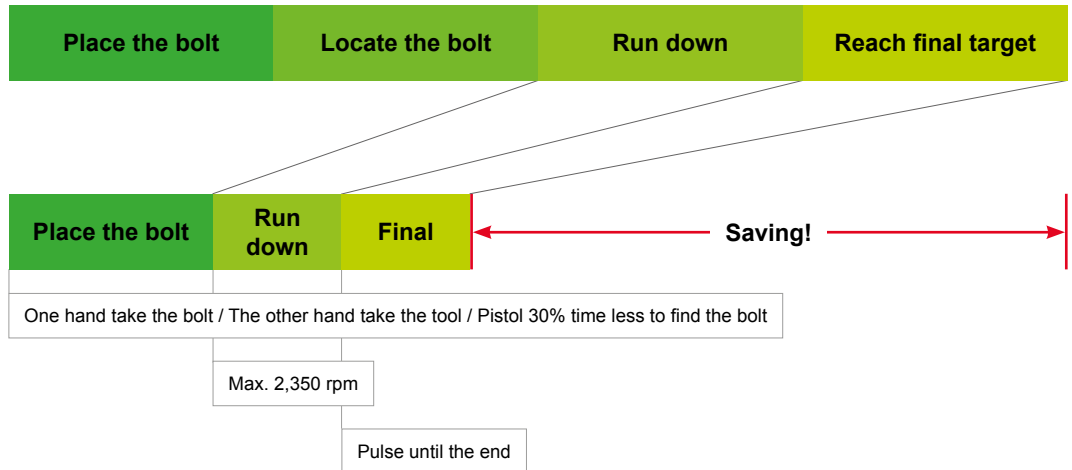
- Free of cable management
- Free of reaction arm
- Reduce total cost of ownership

BOOST YOUR UP TIME

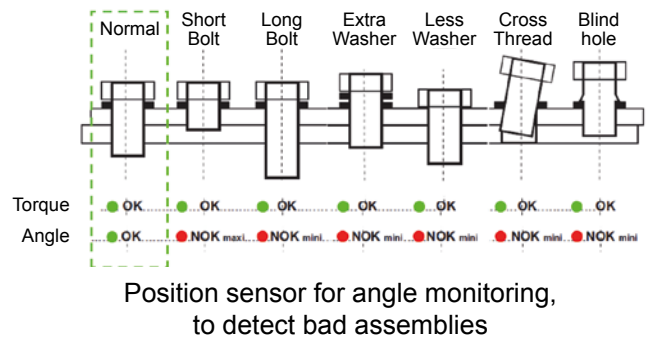
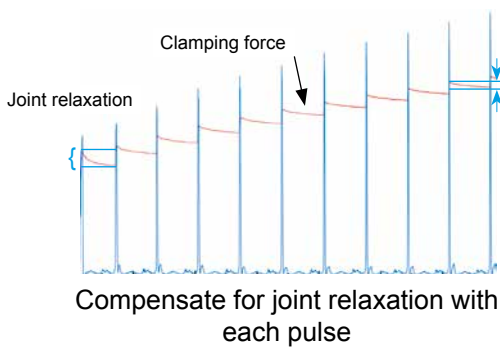
- Boost the uptime of the operator
- Boost the uptime of the tool

BOOST YOUR PRODUCTIVITY

By reducing **cycle time**



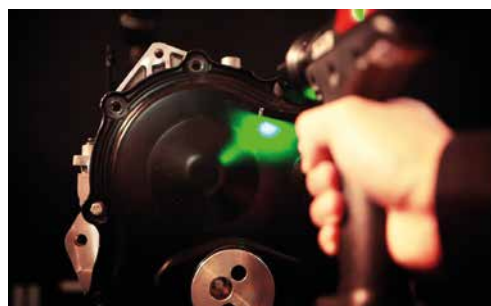
By improving **joint quality**...
...because bad parts don't count!



By improving **real-time feedback**



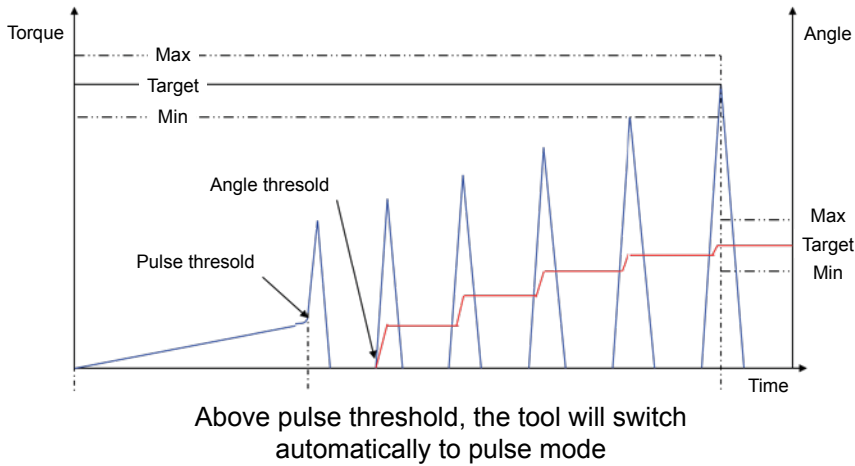
Tightening result on the OLED display



Shed light of OK/NOK directly on the application

BOOST YOUR FLEXIBILITY

- Patented motor control algorithm, operator can literally **hold the tool with 2 fingers...**
...no need for **reaction arm**

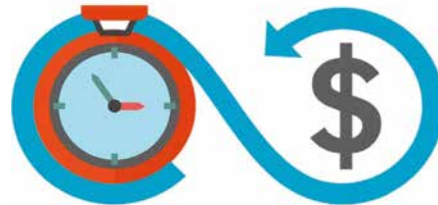


No need to attach the tool to a reaction arm

- Cordless, **free of cable management...**
...and save time on **line rebalancing**



Free of cable management



Save time on line rebalancing thanks to easy pairing

BOOST YOUR UP TIME

- Boost the Up Time of the operator...
...with **ergonomic** design

design ergonomics safety low reaction
balance anti-slippery effortless trigger
light weight slim handle easy access
2 battery positions

- Boost the Up Time of the tool...
...with longer **calibration**
& **preventive maintenance** intervals



Calibration



Preventive Maintenance

Controller - CVI3 Vision

PIC REF	MODEL	PART NUMBER	CONSUMPTION (CURRENT)		MAIN SUPPLY	DIMENSIONS						WEIGHT	
			115V	220V		WIDTH		HEIGHT		DEPTH		kg	lb.
A	CVI3 Vision	615 932 691 0	4A	2A	Single-phase	175	6.9	361	14.2	310	12.2	9.3	20.5



Cordless Tightening Units

Virtual controllers management by Desoutter

Optimized footprint - free from cable - Full Traceability

Access point



WITH 1 CVI3 VISION

GET UP TO 4 CORDLESS TIGHTENING UNITS CONNECTED

EP0D 2C

up to 2 cordless tightening units



Configuration with cable tool: 1 cable tool with up to 2 battery tools

EP0D 3C

up to 3 cordless tightening units



Configuration with cable tool: 1 cable tool with up to 2 battery tools

EP0D 4C

up to 4 cordless tightening units



Configuration with cable tool: 1 cable tool with up to 3 battery tools

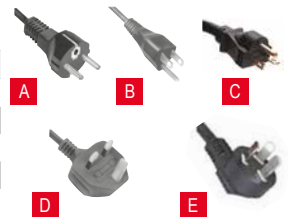


Accessories can be dedicated to only one tightening unit or to the whole tightening units

Power cord

To be ordered with the controller

PLUG	DESCRIPTION	PART NO.
A	European	615 917 069 0
B	US NEMA 5-15	615 917 060 0
C	US NEMA 5-20	615 917 063 0
D	UK	615 917 070 0
E	Chinese	615 917 061 0



CVI3 VISION

STORAGE

Pset results (torque, angle, date, time, pulse counter, report)	10000
Pset curves (OK/NOK)	20
Assembly Process results	1000
Event log storage (number of events)	500

BASIC FUNCTIONS

Nbr of Psets	250
Nbr of steps per Pset	10
Barcode reading (standard and 2D)	✓

ADVANCED FUNCTIONS

Access Level Control/Management with unlimited profiles	✓
ID input to select Assembly Process (up to 4 different identifiers)	✓
Number of Assembly Process	250
Advanced Soft PLC (in option with CVILOGIX)	✓
1 Network/Fieldbus Access point per group of up to 4 controllers	✓

TIGHTENING STRATEGIES

Torque control + angle monitoring	✓
Angle control + torque monitoring	✓
Reverse	✓
Pulse counter display and storage	✓

Specification



	STANDALONE VERSION	WIFI COMMUNICATION VERSION
Wifi Communication	N/A	2.4GHz or 5 GHz
Programming on the tool	✓	✓
Pset	6	250
No. of step in Pset	1	10
Assembly process	N/A	250
Results	10 000 with CVI analyzer	10000
Tightening Curve	N/A	20
Disconnected mode	By default	✓

PART NUMBER	MODEL	OUTPUT DRIVE	OUTPUT RETAINING TYPE	TORQUE				ROTATIONAL MAX SPEED		LENGTH		WEIGHT*	
				MIN	MAX	MIN	MAX	WITH 18V BATTERY	WITH 36V BATTERY				
		in.		Nm	Nm	ft.lb	ft.lb	rpm	rpm	mm	in.	kg	in.
615 166 023 0	BLRTA-2350-10S	Sq 3/8	Through hole	10	25	7.4	18.4	1520	2350	233	9.17	1.2	2.6
615 166 024 0	BLRTA-2350-4Q	Hex. 1/4	Quick change chuck	10	25	7.4	18.4	1520	2350	233	9.17	1.2	2.6
615 166 025 0	BLRTC-2350-10S	Sq 3/8	Through hole	10	25	7.4	18.4	1520	2350	233	9.17	1.2	2.6
615 166 026 0	BLRTC-2350-4Q	Hex. 1/4	Quick change chuck	10	25	7.4	18.4	1520	2350	233	9.17	1.2	2.6

*Weight without battery

Accessories



ACCESSORIES INCLUDED

	PART NUMBER
1 Protective cover	615 211 073 0

OPTIONAL ACCESSORIES

ITEM	PART NUMBER
2 Li-ion Battery 18V 2.1 Ah	615 812 099 0
3 Li-ion Battery 18V 4.2 Ah	615 812 100 0
4 Li-ion Battery 36V 2.1 Ah -	615 811 924 0
5 Charger 18 / 36V	615 811 654 5
6 DTH90 tool holster	615 812 119 0
7 Sleeve drive socket	See accessory catalogue

Recommended torque measurement devices

8 Delta wrench 30-AV	615 935 230 0
Delta wrench 150-AV Short	615 935 231 0
9 DRT5 sq 75	615 165 223 0
10 Delta 6D	615 935 102 0
11 Delta 7D	615 935 147 0
• 2m (78.7") long transducer cable	615 917 430 0
• 2m (78.7") long, spiral transducer cable	615 917 432 0
• 5m (196.8") long transducer cable	615 917 433 0
12 Delta QC Advanced 1 User	615 927 653 0
13 Delta QC Advanced 5 User	615 927 654 0
14 DJS for DST 30 soft	615 165 577 0
15 DJS for DST 30 hard	615 165 579 0

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