Desoutter

Industrial Tools

E-PULSE

Battery Low Reaction Tool

BOOST YOUR PRODUCTIVITY

BOOST YOUR FLEXIBILITY

BOOST YOUR UP TIME

More Than Productivity

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**

Nutrunner

Place the bolt	Locate the bolt	Run down	Reach final target

E-Pulse Battery

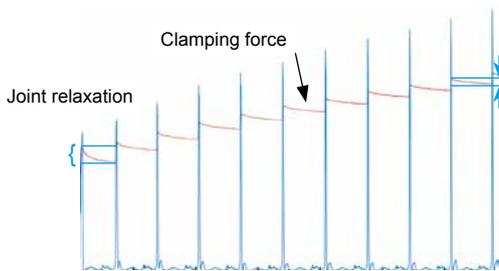| Place the bolt	Run down	Final	Saving!

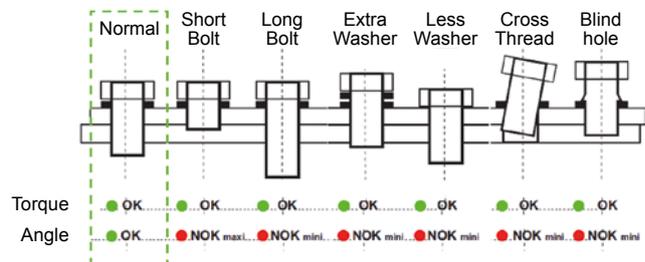One hand take the bolt / The other hand take the tool / Pistol 30% time less to find the bolt

Max. 2,350 rpm

Pulse until the end

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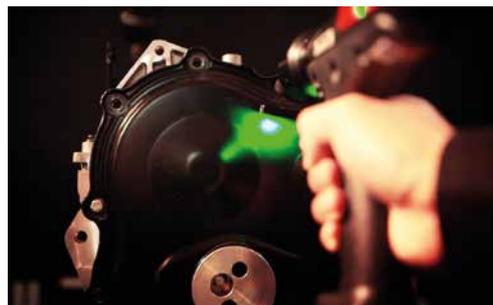
Clamping force

Joint relaxation

Compensate for joint relaxation with each pulse

	Normal	Short Bolt	Long Bolt	Extra Washer	Less Washer	Cross Thread	Blind hole
Torque	OK	OK	OK	OK	OK	OK	OK
Angle	OK	NOK maxi	NOK mini	NOK mini	NOK mini	NOK mini	NOK mini

Position sensor for angle monitoring, to detect bad assemblies

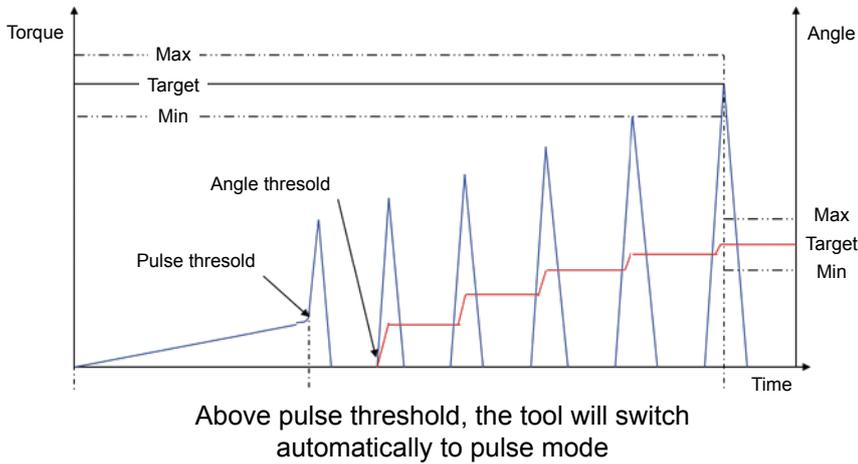## By improving **real-time feedback**

25.16 Nm
30.7 Deg

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**

Torque

Max
Target
Min

Angle thresold

Pulse thresold

Angle

Max
Target
Min

Time

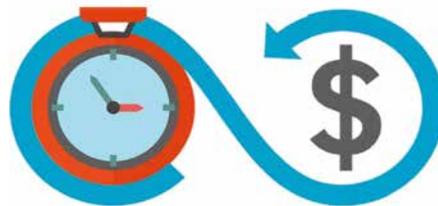Above pulse threshold, the tool will switch
automatically to pulse mode

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

safety
design   low reaction
ergonomics
balance   anti-slippery   **effortless triger**
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	
						WIDTH		HEIGHT		DEPTH			
			115V	220V	50/60 Hz	mm	in.	mm	in.	mm	in.	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

EPOD 2C — up to 2 cordless tightening units

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

EPOD 3C — up to 3 cordless tightening units

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

EPOD 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	10 000
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**