

# OIL PULSE TOOL

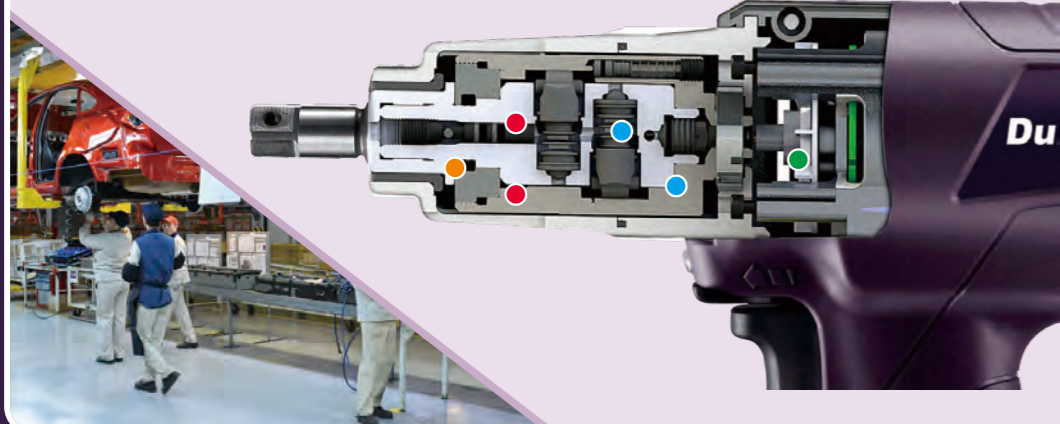
## OIL PULSE & COOLING TECHNOLOGY (Patented)

- Wider torque setting range (20-60 Nm / 14.8-44.3 ft-lbs)
- Cooling in time for longer run time
- No reaction force, low noise & vibration

## 40V x BRUSHLESS vs. Air Compressor & By Hand

- Higher voltage, less current draw (vs. 18V, 22.2V & 33.3V)
- Higher energy efficiency (80% at least vs. Air 50% at most)
- Higher precision guaranteed (no more air pressure fluctuation)
- No more fatigue from hand-tightening
- Less noisy, cleaner and safer working environment

- **Pulse Unit (Patented)** Less overall maintenance cost
- **Durable Oil Seal** Longer service life at less expensive cost
- **Relief Valve** Easy for torque adjustment
- **Direct Shut-off** Accurate & stable shut-off performance



Individual Cell Voltage & Temperature Measurement



Tightening Torque Adjustment

LED Indicator & Buzzer to Confirm Shut-off OK / NG Joint Status.

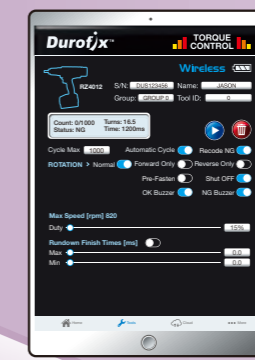
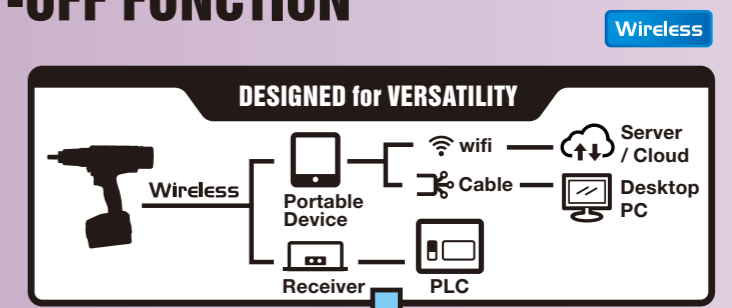
### ★ INDUSTRIAL OIL PULSE TECHNOLOGY

Connects Oil Pulse Unit directly to motor, reduces torque reaction, vibration & noise.

### ★ INNOVATIVE COOLING TECHNOLOGY (Patent-Pending)

Lowers temperature effects and enables longer run time.

### ★ ADJUSTABLE PRECISION SHUT-OFF FUNCTION



## MOBILE APP SYSTEM GO WIRELESS

- ★ Tune-up your torque settings for more precise applications. (Max speed / Duty, operation cycle & rotation, screw runtime)
- ★ Memorize your own torque settings pattern.
- ★ Real-Time monitoring for up to 10 tools at jobsite.
- ★ Collect all fastening data in assembly process.

## RZ4012-3-WR12 / RZ4012-D-WR12

### Li-ion 40V BRUSHLESS Oil Pulse Tool

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Programmable speed setting.
- Connects Oil Pulse Unit directly to motor, reduces torque reaction, vibration & noise.
- Auto Shut-Off when torque reaches the set value. Setting Range: 6-12 Nm
- Confirms joint status for OK (green) or NG (red).
- Battery indicator shows battery status

Model Number	RZ4012-3-WR12	RZ4012-D-WR12
Torque Range	6-12 Nm (4.5-8.9 ft-lbs)	
Voltage	40V	
Drive	3/8" Square	1/4" Hex Shank
Programmed Speed	800-6,000 rpm	
Weight	2.25 kg (4.95 lbs)	
Dimension (LxWxH)	265 mm x 78 mm x 251 mm (10.4" x 3.1" x 9.9")	

Wireless

TORQUE RANGE  
6-12 Nm

BLDC MOTOR



RZ4012-3-WR12

RZ4012-D-WR12

## RZ4012-3-WR25 / RZ4012-D-WR25

### Li-ion 40V BRUSHLESS Oil Pulse Tool

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Programmable speed setting.
- Connects Oil Pulse Unit directly to motor, reduces torque reaction, vibration & noise.
- Auto Shut-Off when torque reaches the set value. Setting Range: 10-25 Nm
- Confirms joint status for OK (green) or NG (red).
- Battery indicator shows battery status

Model Number	RZ4012-3-WR25	RZ4012-D-WR25
Torque Range (Nm)	10-25 Nm (7.4-18.5 ft-lbs)	
Voltage	40V	
Drive	3/8" Square	1/4" Hex Shank
Programmed Speed	800-6,000 rpm	
Weight	2.25 kg (4.95 lbs)	
Dimension (LxWxH)	265 mm x 78 mm x 251 mm (10.4" x 3.1" x 9.9")	

Wireless

TORQUE RANGE  
10-25 Nm

BLDC MOTOR



RZ4012-3-WR25

RZ4012-D-WR25

## RZ4012-3-WR60 / RZ4012-4-WR60

### Li-ion 40V BRUSHLESS Oil Pulse Tool

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Programmable speed setting.
- Connects Oil Pulse Unit directly to motor, reduces torque reaction, vibration & noise.
- Auto Shut-Off when torque reaches the set value. Setting Range: 20-60 Nm
- Confirms joint status for OK (green) or NG (red).
- Battery indicator shows battery status

Model Number	RZ4012-3-WR60	RZ4012-4-WR60
Torque Range (Nm)	20-60 Nm (14.8-44.3 ft-lbs)	
Voltage	40V	
Drive	3/8" Square	1/2" Square
Programmed Speed	800-6,000 rpm	
Weight	2.25 kg (4.95 lbs)	
Dimension (LxWxH)	265 mm x 78 mm x 251 mm (10.4" x 3.1" x 9.9")	

Wireless

TORQUE RANGE  
20-60 Nm

BLDC MOTOR



RZ4012-3-WR60

RZ4012-4-WR60



### DF-01 OIL FILLER

- Provide proper procedures of oil replacement for oil pulse tools
  - Compact and simple design for easy handling
  - Use diesel engine oil\* – Lower the costs of repair & maintenance
- \* Refer to the operation manual for oil reference



DT-10

DT-16

### DT-10 / DT-16

### JOINT SIMULATING TESTER

- Specially designed for oil pulse tool testing
- Capable of simulating actual fastening application by using a bolt and indicate tightening torque values on digital counter immediately
- Provide most repeatable and linear joint rate simulation

Note: Recommend to use DT testers before commencing fastening job at every shift change to ensure the torque output of pulse tool.

#### SPECIFICATIONS

Model No.	Bolt Size	Torque Range (Nm / ft-lbs)	Weight
DT-10	M6	5.4-14.7 / 4.0-10.8	5.5 kg (12.1 lbs)
	M8	14.7-31.4 / 10.8-23.2	
	M10	31.4-53.9 / 23.2-39.8	
DT-16	M12	53.9-88.2 / 39.8-65.1	11.0 kg (24.2 lbs)
	M14	88.2-149 / 65.1-109.9	
	M16	149-190 / 109.9-140.1	

#### Protector for Tools



WR12

WR25

WR60

DP001

DP002

DP003

#### I/O Receiver



DR001

1 to 1 Communication Compatible with PLC

#### 40V Chargers & Battery Pack



DC40UN26-C35

Weight: 620g



B4029LA

Weight: 694g

MODEL NO.	TORQUE RANGE / BOLT SIZE					
RZ4012-3-WR12						
RZ4012-D-WR12						
RZ4012-3-WR25						
RZ4012-D-WR25						
RZ4012-3-WR60						
RZ4012-4-WR60						
	10	20	30	40	50	60
	TORQUE (Nm)					