



DUROFIX™

Manufacturers of Precision & Power



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Scan to Download
Pro-Assembly Catalog

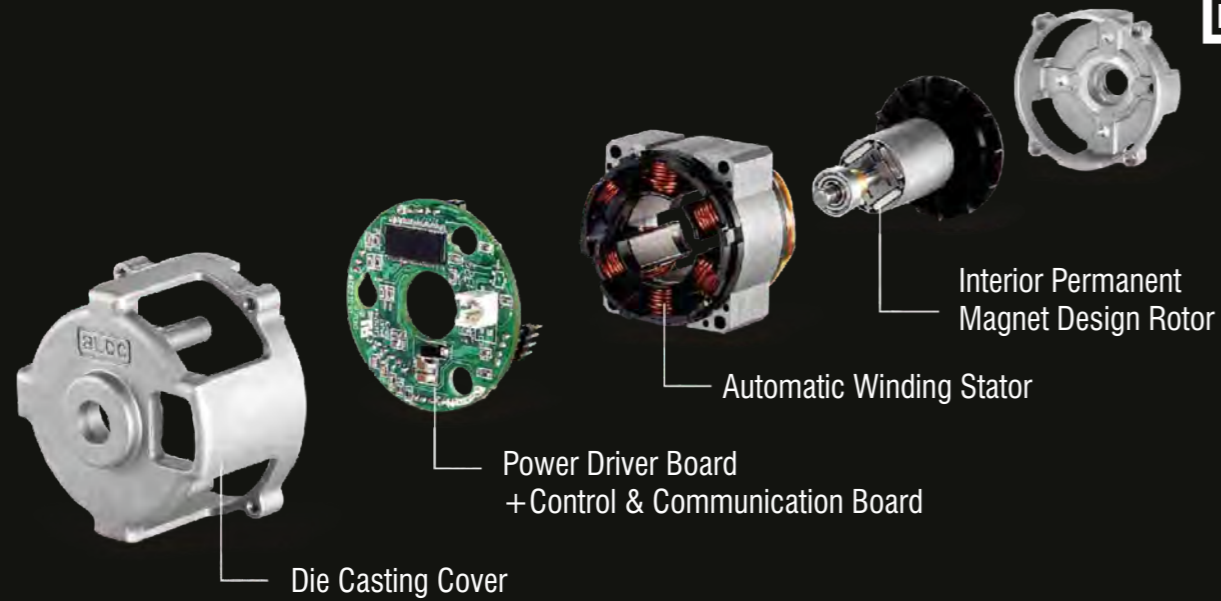
PRO-ASSEMBLY SERIES

SOLUTION

FOR ASSEMBLY WORKS

CONTROL + MOTOR ALL-IN-ONE DESIGN

✓ HIGH PERFORMANCE WITH AIO MOTOR



ASSEMBLY PROCESSES OPTIMISATION

No cables, air hoses or compressors to get in the way

HIGH ACCURACY REPEATABILITY

Auto shut-off mechanisms ensure accuracy and precision every time.

LONGER LIFESPAN & BETTER ENERGY EFFICIENCY

Lithium-ion batteries and brushless motors get the job done



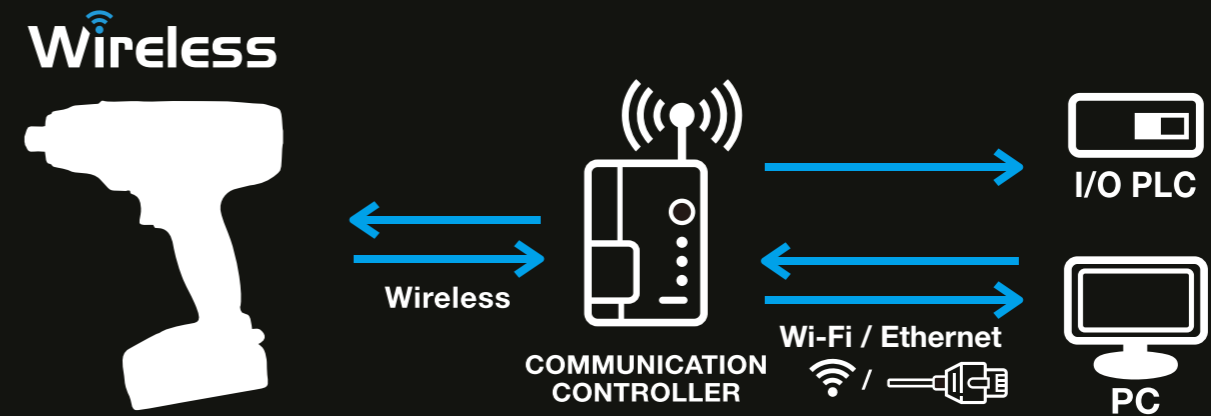


Wireless

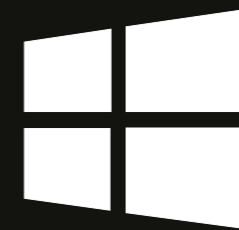
PRO-ASSEMBLY WIRELESS DATA COMM

Pro-Assembly Wireless Data Comm. allow plant manager to remotely control and monitor devices through the wireless receiver/communication controller (DR001, DR002, sold separately) connected to the existing PLC system or PC. The tool can store up to 1,000 joint rundowns which can be downloaded wireless in bulk at the end of the day or accessed in real time via the PLC system or PC.

DESIGNED for VERSATILITY



WINDOWS APP SYSTEM GO WIRELESS



WINDOWS APP

Windows App Features:

- Remotely fine tune torque and other settings for more precise applications (Max speed / duty, operation cycle & rotation, turns, screw runtime)
- Record torque settings pattern
- Real-time monitoring of up to 10 tools at job site
- Collect all fastening data in the assembly process

Wireless Receiver Features:

- Wireless connection with Pro-Assembly tool
- Compatible with plant PLC system
- Collect fastening data in assembly process directly to PLC

RV2054 - 20V BRUSHLESS TRANSDUCERIZED PRECISION TOOL



EPS (Electro-Pulse System)

- Reducing average reaction force experienced by the operator **Up to 30%**
- Allowing for one-handed operation in certain situations with less strain placed on the use

RV2052 - 20V BRUSHLESS TRANSDUCERIZED PRECISION TOOL



RV2054-U8 / RV2054-U18



RV2054-3-U8 / RV2054-3-U18 / RV2054-3-U24

FEATURES

EPS **BLDC MOTOR** **Wireless**

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Auto shut-off when torque reaches the set value
- Low maintenance costs due to long service life
- Reduces life-cycle costs due to wear-free components
- Improved ergonomics, lightweight and reaction force with Li-ion compact battery for fatigue-free working
- Battery indicator

SPECIFICATION

Model No.	RV2054-U8	RV2054-U18
Voltage	20V	
Drive	1/4" Hex Shank	
Programmable Speed	50-1,200 rpm	50-800 rpm
Torque Range	1-8 Nm	3-18 Nm
Cmk Value (based on 6 Sigma)	> 1.67 at (±7%)	
Weight (w/o battery pack)	1.00 kg (2.20 lbs)	
Dimension (LxWxH)	212 x 78 x 256 mm	

Model No.	RV2054-3-U8	RV2054-3-U18	RV2054-3-U24
Voltage	20V		
Drive	3/8" Square		
Programmable Speed	50-1,200 rpm	50-800 rpm	50-600 rpm
Torque Range	1-8 Nm	3-18 Nm	6-24 Nm
Cmk Value (based on 6 Sigma)	> 1.67 at (±7%)		
Weight (w/o battery pack)	1.00 kg (2.20 lbs)		
Dimension (LxWxH)	212 x 78 x 256 mm		



RV2052-WR8 / RV2052-WR18 / RV2052-WR24



RV2052-3-WR18 / RV2052-3-WR24

FEATURES

BLDC MOTOR **Wireless**

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Auto shut-off when torque reaches the set value
- Low maintenance costs due to long service life
- Reduces life-cycle costs due to wear-free components
- Improved ergonomics, lightweight and reaction force with Li-ion compact battery for fatigue-free working
- Battery indicator

SPECIFICATION

Model No.	RV2052-WR8	RV2052-WR18	RV2052-WR24
Voltage	20V		
Drive	1/4" Hex Shank		
Programmable Speed	50-1,200 rpm	50-800 rpm	50-600 rpm
Torque Range	1-8 Nm	3-18 Nm	6-24 Nm
Cmk Value (based on 6 Sigma)	> 1.67 at (±7%)		
Weight (w/o battery pack)	1.00 kg (2.20 lbs)		
Dimension (LxWxH)	202 x 78 x 236 mm		

Model No.	RV2052-3-WR18	RV2052-3-WR24
Voltage	20V	
Drive	3/8" Square	
Programmable Speed	50-800 rpm	50-600 rpm
Torque Range	3-18 Nm	6-24 Nm
Cmk Value (based on 6 Sigma)	> 1.67 at (±7%)	
Weight (w/o battery pack)	1.00 kg (2.20 lbs)	
Dimension (LxWxH)	202 x 78 x 236 mm	

PRECISION TOOL

PRECISE FASTENING FROM THE FIRST SCREW... TO THE LAST

LIGHT-WEIGHT & ERGONOMIC DESIGN

Allows extended use periods and increases mobility

PRECISION SHUT-OFF CLUTCH

Certified screwdriver according to ISO 5393, achieves Cmk value > 1.67 at ±10% (based on 6 Sigma).



Adjustable High Precision Shut-Off Clutch



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



Color Rings for Quick Identification of Torque Range



RV2048 - 20V BRUSHLESS PRECISION TOOL



FEATURES

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Auto shut-off when torque reaches the set value
- Low maintenance costs due to long service life
- Reduces life-cycle costs due to wear-free components
- Improved ergonomics, lightweight and reaction force with Li-ion compact battery for fatigue-free working
- Battery indicator

SPECIFICATION

Model Number	RV2048-WR12	RV2048-WR6	RV2048-WR2
Voltage	20 V		
Drive	1/4" Hex Shank		
Torque Range	3-12 Nm (2.2-8.9 ft-lbs)	1-6 Nm (0.7-4.4 ft-lbs)	0.5-2 Nm (0.37-1.5 ft-lbs)
Programmable Speed	700-1,000 rpm	700-1,000 rpm	700-1,000 rpm
Cmk Value (based on 6 Sigma)	> 1.67 at (±10%)		
Weight	1.75 kg (3.85 lbs)		
Dimension (LxWxH)	212 mm x 78 mm x 256 mm (8.3" x 3.1" x 10.1")		



RV2048-WR6



RV2048-WR12



RV2048-WR2

ANGLE PRECISION TOOL

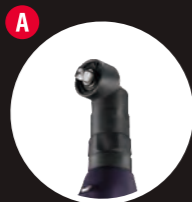
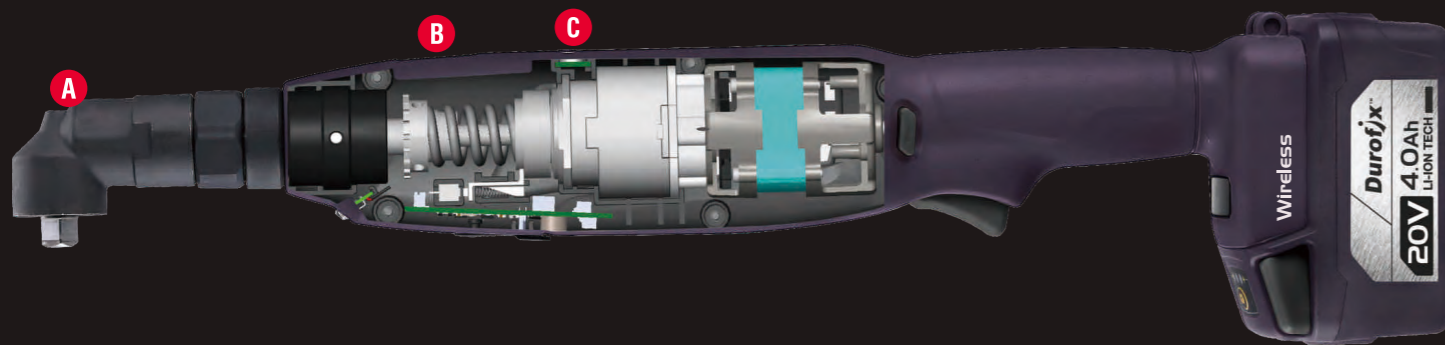
POWERFUL FASTENING SOLUTION IN NARROW SPACES

CONSTANT & PRECISE TIGHTENING TORQUE

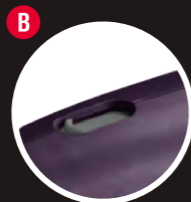
The torque can be precisely set over large range and retrieved with repeat accuracy

PRECISION SHUT-OFF CLUTCH

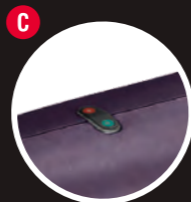
Certified screwdriver according to ISO 5393, achieves Cmk value > 1.67 at ±10% (based on 6 Sigma)



All Metal Angle Head



Adjustable High Precision Shut-Off Clutch



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

RV2047 - 20V BRUSHLESS ANGLE PRECISION TOOL



FEATURES

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Auto shut-off when torque reaches the set value • Battery indicator
- Low maintenance costs due to long service life
- Reduces life-cycle costs due to wear-free components
- Improved ergonomics, lightweight and reaction force with Li-ion compact battery for fatigue-free working

SPECIFICATION

Model Number	RV2047-3-WR12	RV2047-D-WR12	RV2047-2-WR12
Voltage	20V		
Drive	3/8" Square	1/4 Hex Shank	1/4" Square
Torque Range (Nm)	3-12 Nm (2.2-8.8 ft-lbs)	3-12 Nm (2.2-8.8 ft-lbs)	3-12 Nm (2.2-8.8 ft-lbs)
Programmable Speed	840-1200 RPM	840-1200 RPM	840-1200 RPM
Cmk Value (based on 6 Sigma)	> 1.67 at (±10%)		
Weight (w/o battery pack)	1.60 kg (3.52 lbs)	1.60 kg (3.52 lbs)	1.60 kg (3.52 lbs)
Dimension (LxWxH)	115 mm x 78 mm x 493 mm	115 mm x 78 mm x 493 mm	115 mm x 78 mm x 493 mm

Model Number	RV2047-WR30	RV2047-WR45	RV2047-WR70	RV2047-WR90
Voltage	20V			
Drive	3/8" Square	3/8" Square	1/2" Square	1/2" Square
Torque Range (Nm)	8-30 Nm (5.9-22.13 ft-lbs)	18-45 Nm (13.3-33.2 ft-lbs)	20-70 Nm (14.75-51.63 ft-lbs)	40-90 Nm (29.5-66.4 ft-lbs)
Programmable Speed	210-300 RPM	210-300 RPM	160 RPM	100 RPM
Cmk Value (based on 6 Sigma)	> 1.67 at (±10%)			
Weight (w/o battery pack)	1.70 kg (3.74 lbs)	1.70 kg (3.74 lbs)	2.10 kg (4.62lbs)	2.10 kg (4.62lbs)
Dimension (LxWxH)	115 mm x 78 mm x 493 mm	115 mm x 78 mm x 493 mm	115 mm x 78 mm x 539 mm	115 mm x 78 mm x 539 mm

RV2017 / RV2027 / RV2037 - 20V TUBE NUT WRENCH

RV2017 / RV2027 / RV2037 - 20V TUBE NUT WRENCH



FEATURES

- Brushless Motor - Energy saving, higher efficient and longer life-span
- Auto shut-off when torque reaches the set value
- Low maintenance costs due to long service life
- Reduces life-cycle costs due to wear-free components
- Improved ergonomics, lightweight and reaction force with Li-ion compact battery for fatigue-free working
- Battery indicator

BLDC MOTOR **Wireless**



SPECIFICATION

Standard Type	Hex Size (mm)	Torque Range	RPM	Length	Weight
RV2017-WR12 series	7,8,9,10,11,12,13,14,15,16	3-12 Nm	525-750	539 mm	2.65 kg
RV2017-WR20 series	17,18,19,20,21,22,23, 11/16"	6-20 Nm	350-500	563 mm	2.79 kg
RV2017-WR27 series	24,26,27,29,30,32	8-27 Nm	262-375	587 mm	3.02 kg

Insert Type	Hex Size (mm)	Torque Range	RPM	Length	Weight
RV2027-WR12 series	7,8,9,10,11	3-12 Nm	525-750	539 mm	2.65 kg
RV2027-WR20 series	12,13,14,15,16	6-20 Nm	350-500	563 mm	2.79 kg
RV2027-WR27 series	17,18,19,20,21,22	8-27 Nm	262-375	587 mm	3.02 kg

Close Type	Hex Size (mm)	Torque Range	RPM	Length	Weight
RV2037-WR12 series	7,8,9,10,11,12,13,14,15,16	3-12 Nm	525-750	541 mm	2.67 kg
RV2037-WR20 series	17,18,19,20,21,22,23, 11/16"	6-20 Nm	350-500	565 mm	2.81 kg
RV2037-WR27 series	24,26,27,29,30,32	8-27 Nm	262-375	589 mm	3.04 kg



RI20126 - 20V BRUSHLESS ETC IMPACT WRENCH



RI2036 - 20V BRUSHLESS ETC JUMBO IMPACT WRENCH



FEATURES

- 1/2" Square drive, 50-stage Pre-set Torque
- Electronic Torque Control & Auto shut-off
- LED & Buzzer indicator confirms joint status for OK (green) or NG (red)
- Display showing torque stage & error message
- Max. 375 Nm reverse torque
- P20 battery platform with LED battery level indicator
- USB port for uploading program & downloading data

SPECIFICATION

Model Number	RI20126	RI20126R	RI20126A1	RI20126R1
Voltage	20 Vdc			
Drive	1/2" Square			
Max. Reverse Torque	375 Nm			
Max. Torque	250 Nm			
Torque Setting Range	30-180 Nm	30-180 Nm	10-100 Nm	10-100 Nm
Auto Shut-Off Stage	50 stage	50 stage	50 stage	50 stage
	Fwd.	Fwd. / Rev.	Fwd.	Fwd. / Rev.
Application	M10-M16	M10-M16	M8-M10	M8-M10
No Load Speed	0-2,600 RPM			
Impacts per Minute	0-3,000 IPM			
Tool Weight	1.66 kg (3.65 lbs)			



RI20126
RI20126R



RI20126A1
RI20126R1



FEATURES

- Patented Electronic Torque Clutch (ETC).
- Loosen tire lug nuts with 1,100 Nm reverse torque to conquer greasiness, rust, dirt & over-torque by air impact tools.
- Durable metal gearbox housing
- Battery indicator
- Built-in LED light

SPECIFICATION

Model Number	RI2036A1	RI2036A2	RI2036A3
Voltage	20 Vdc		
Drive	1/2" Square		
Max. Reverse Torque	1,100 Nm (810 ft-lbs)		
Max. Tightening Torque	800 Nm (590 ft-lbs) Non Shut-Off		
Torque Setting Range	80-480 Nm (60-355 ft-lbs) Auto Shut-Off	100-700 Nm (73-515 ft-lbs) Auto Shut-Off	60-600 Nm (44-443 ft-lbs) Auto Shut-Off
	No Load Speed		
Impacts per Minute	0-2,200 RPM		
Tool Weight	0-2,000 IPM		
	3.20 kg (7.04 lbs)		



RI2036A1

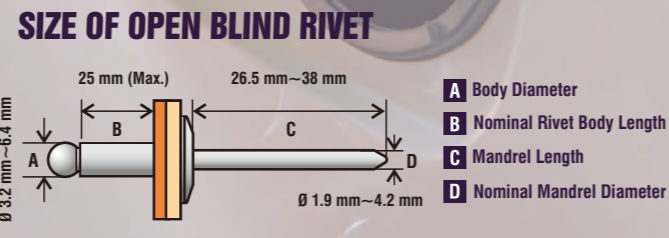
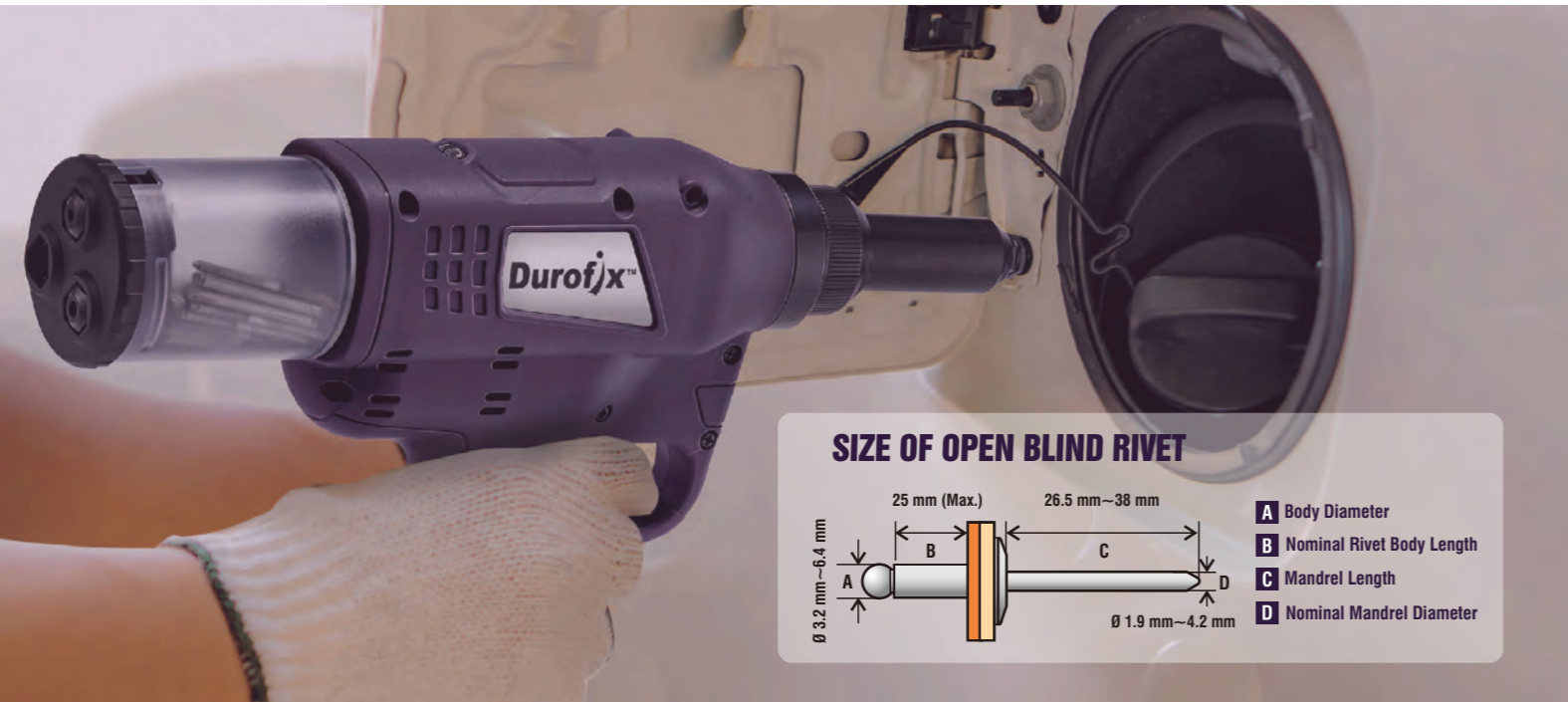


RI2036A2



RI2036A3

RV20108 - 20V BRUSHLESS RIVETING TOOL



FEATURES

- Good for up to 1/4" (6.4 mm) stainless steel rivets
- One-touch trigger & auto-reverse function
- Integrated mandrel collection container (patented)
- Holding mechanism for rivet
- Battery indicator

INTEGRATED MANDREL COLLECTION CONTAINER (PATENTED)



- A** Collecting up to 600 rivet mandrels
- B** Patented container integrated with holding and changing nozzle

SPECIFICATION

Model Number	RV20108
Voltage	20 Vdc
Blind Rivet Size	3.2 / 4.0 / 4.8 / 6.4 mm
Max. Setting Force	4,500 lbf (20,000 N)
Stroke	25 mm
Tool Weight	2.30 kg (5.06 lbs)
Dimension (LxWxH):	331 mm x 84 mm x 284 mm



UNIVERSAL CHARGERS



Weight: 570g

DC20UN26-C60

- Active Voltage Control
- Battery Thermal Protection System
- Fast Charging Time



Weight: 490g

DC20US28-C30

20V BATTERY PACKS



B2036LB-2



B2036LA-2



B2036LB



B2036LA

I/O RECEIVER



DR002

1 to 10 Communication
Compatible with PLC



DR001

1 to 1 Communication
Compatible with PLC



24 Vdc
Power Adapter

LI-ION BATTERY TECHNOLOGY



INTELLIGENT BATTERY MANAGEMENT SYSTEM

Built-in individual cell voltage detection circuit for charge control in battery pack.



LONGTIME STORAGE

No memory effect, low self discharge and always ready for use.



HIGH-POWER EXTENDED LIFE BATTERY

Delivers high charger capacity with low internal impedance for maximum power delivery and exceptional run time.



BATTERY INDICATOR

Provides visual charge level of battery power.



RIVETING TOOL

BLIND RIVET SIZE UP TO 1/4" (6.4 MM)

Large working range

ONE PRESS FOR ONE CYCLE

Rivet pull → Cut → Spent mandrel ejection

AUTO-REVERSE FUNCTION

Short processing time



RV20104 - 20V BRUSHLESS RIVETING TOOL

RV20103 - 20V BRUSHLESS RIVET NUT TOOL



FEATURES

- Blind Rivet Size Up To 1/4" (6.4 mm)
- One Press For One Cycle
- Auto-reverse Function
- Built-in LED light
- Battery Indicator

SPECIFICATION

Model Number	RV20104
Voltage	20 Vdc
Blind Rivet Size	1/8", 5/32", 3/16" & 1/4" (3.2 / 4.0 / 4.8 / 6.4 mm)
Max. Setting Force	3,375 lbf (15,000 N)
No Load Speed	0-3,000 RPM (Auto reverse mode)
Tool Weight	2.30 kg (5.06 lbs)
Dimension (LxWxH)	294 mm x 78 mm x 241 mm (11.6" x 3.1" x 9.5")



FEATURES

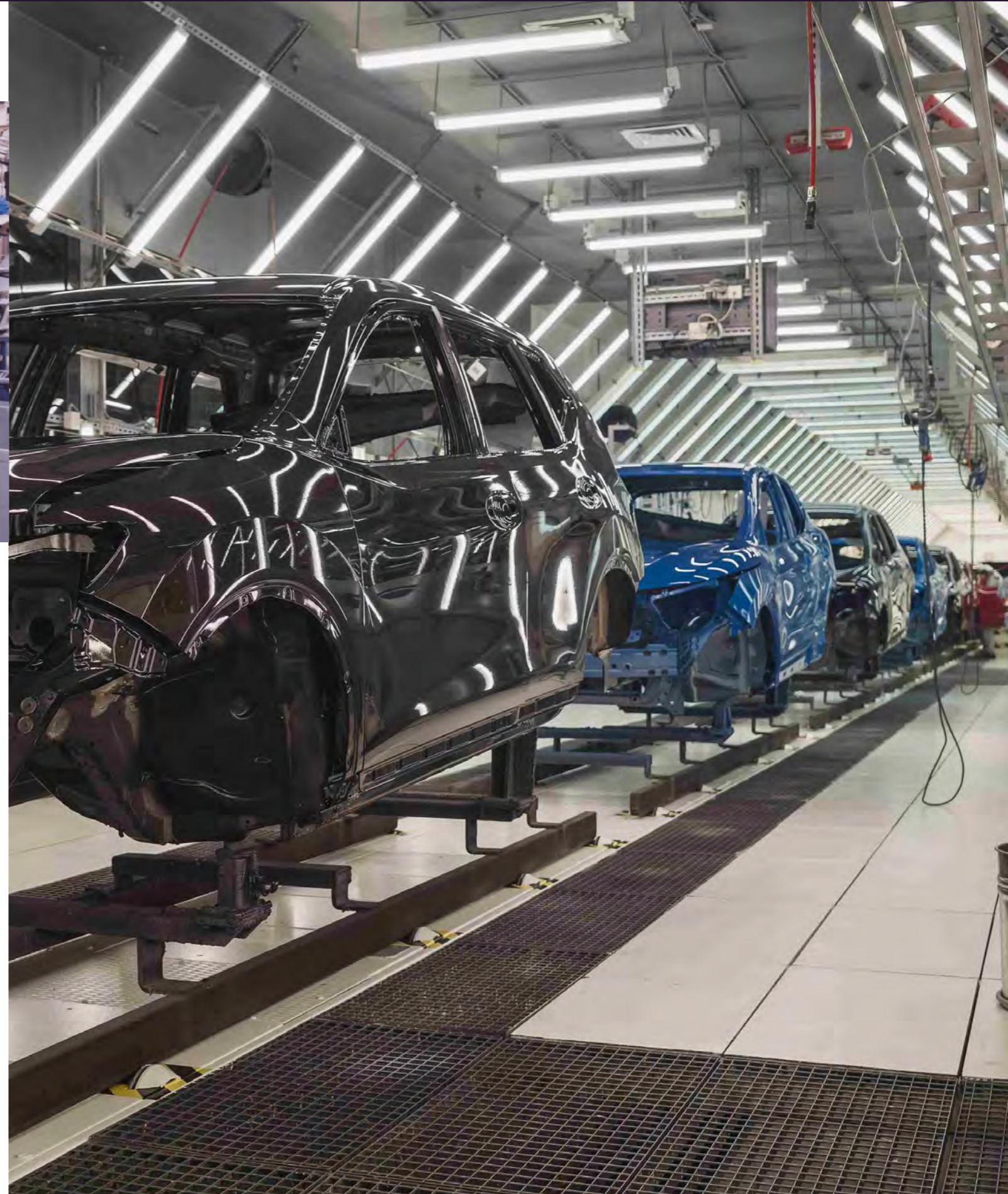
- Electronic torque & speed control
- Simple and safe drilling of the blind rivet nuts
- Fast and simple change system for threaded mandrels
- Automatic switchover from setting to drilling
- Constant setting speed
- Built-in LED light • Battery indicator

SPECIFICATION

Model Number	RV20103
Voltage	20 Vdc
Rivet Nut Size	M4 / M5 / M6 / M8 / M10
Max. Torque	100 / 180 / 220 Nm (73 / 133 / 162 ft-lbs)
No Load Speed	0-1,200 / 0-1,900 / 0-3,000 RPM
Tool Weight	2.15 kg (4.73 lbs)
Dimension (LxWxH)	250 mm x 78 mm x 241 mm (9.8" x 3.1" x 9.5")



RV20105 - 20V BRUSHLESS RIVET NUT TOOL



FEATURES

- Electronic torque & speed control
- Simple and safe drilling of the blind rivet nuts
- Automatic switchover from setting to drilling
- Constant setting speed
- Built-in LED light • Battery indicator

SPECIFICATION

Model Number	RV20105
Voltage	20 Vdc
Rivet Nut Size	1/2"
Max. Torque	100 / 180 / 220 Nm (73 / 133 / 162 ft-lbs)
No Load Speed	0-1,200 / 0-1,900 / 0-3,000 RPM
Tool Weight	2.02 kg (4.44 lbs)
Dimension (LxWxH)	252 mm x 78 mm x 241 mm (9.9" x 3.1" x 9.5")

