

Investor Conference

JENN FENG INDUSTRIAL TOOLS CO., LTD.

JENN FENG INDUSTRIAL TOOLS CO., LTD.

Company Profile

- Founded in 1975
- HQ in Taoyuan, Taiwan
- 4 Product Categories
 - Power tools
 - E-Bike power system
(Gearbox / Controller / Sensor)
 - Lighting Technology
 - Brushless Motors
- 130 employees
- NT\$275,762 thousand turnover in 2020

KUNSHAN	
	
Power Tools	
Automotive Lighting	

TAIWAN HEADQUARTERS	
	
E-Bike Power System	
Lighting Technology	
Power Tools	
Brushless Motors	

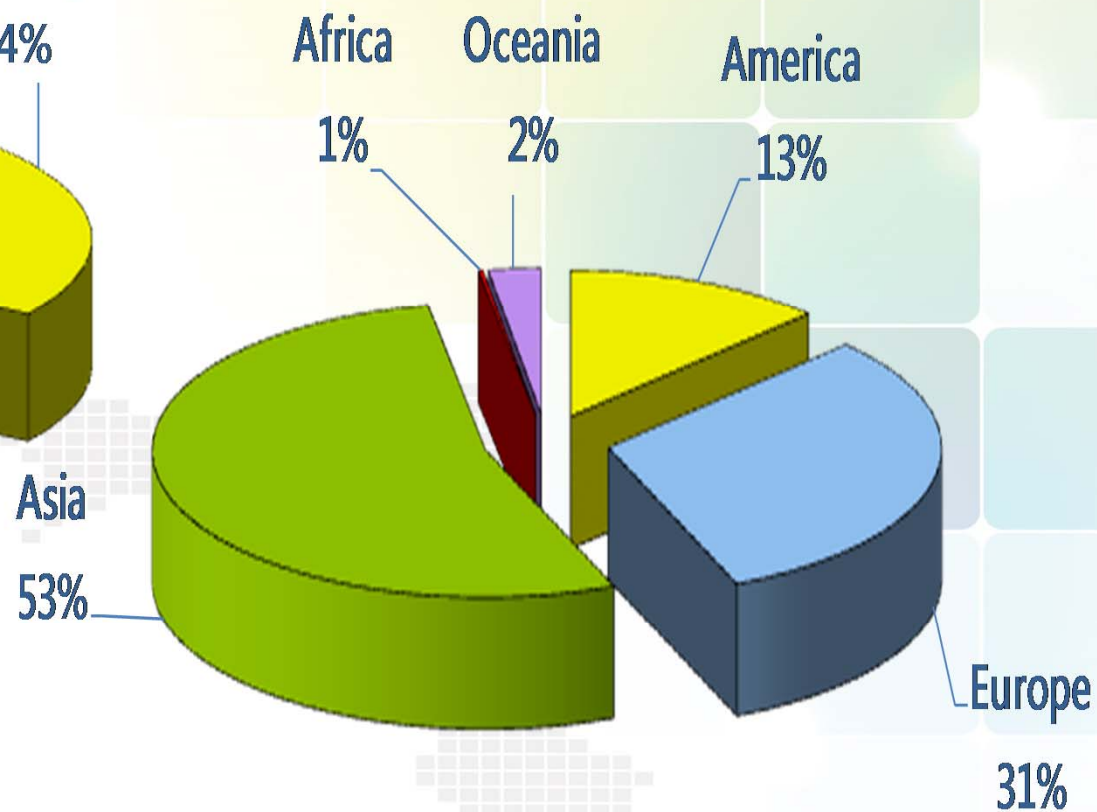
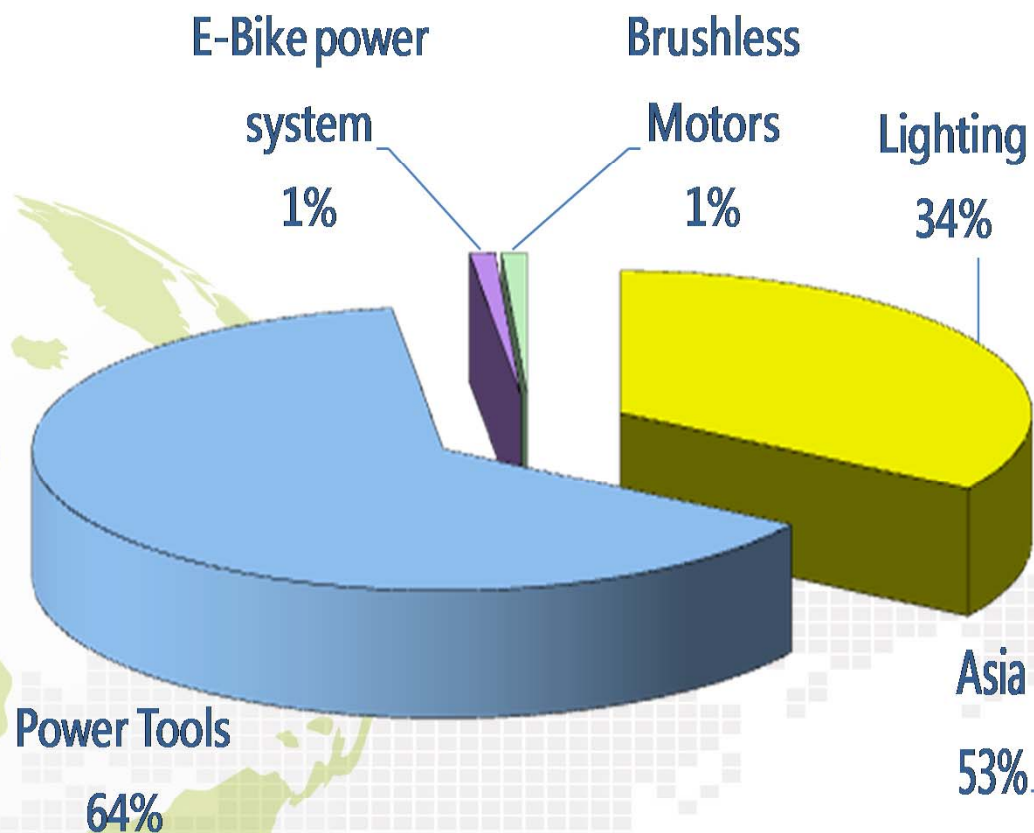


Company Milestones



- Feb. 1975 - Company Founded-
- Aug. 1977 - Automotive Auxiliary Lighting Division Founded
- Nov. 1983 - The 2nd Factory Setup in Ping Chang / Taiwan
- Jun. 1986 - Power Tool Division Founded
- Jan. 1989 - The 3rd Factory Setup in Shin Wu / Taiwan
- Jun. 1994 - ISO 9001 Certified
- Jun. 1995 - New Manufacturing Facility in Shanghai, China
- Jun. 1999 - Acquired McCulloch in North America -
- Jun. 2002 - Became a public traded company in Taiwan
- Mar. 2008 - Sold Lawn & Garden and Power Equipment Divisions to Husqvarna AB in Sweden -
- Dec. 2008 - Bought KTO Co., Ltd. and acquired CIGS Thin Film Technology-
- Jun. 2009 - Changed company name to Jenn Feng New Energy Co., Ltd.
- Mar. 2012 - Successfully developed CIGS See-Through module-
- Mar. 2013 - Successfully developed Brushless motor-
- Jun. 2013 - Resume Lawn & Garden and Power Equipment business -
- Oct. 2014 - Customized production shipments brushless motor products
- Aug. 2015 - JF's design capability on brushless motor and controller earned good reputation and cooperation with Germany customer.
- May. 2016 - Launched rotary shears cutter with dual blades was listed in garden tools category.
- Jan. 2017 - Brushless motor technology continues to grow. Innovative development on the structure of motor stator and obtained patent certificate.
- Feb. 2017- Innovative development of bilateral LED lighting methods for power tools in order to achieve the best illumination in the dark space and obtained patent certificate.
- Aug. 2017- Innovative development on the largest light-harvesting device which increase 20% efficiency. Well got the best achievement
- Mar. 2018 - Launched 650Nm High-Torque impact wrench with brushless motor. Having good reputation and support from professional market of vehicle repair.
- Jun. 2018 - Launched reciprocating saw with brushless motor. The main application is for orchard and bamboo garden. The products were diversified to meet different market demands.
- Feb. 2019 - The 18V high-torque brushless motor and LCD (liquid crystal display) hammer drill were launched. The high-quality design and quality make the market segment of the product, locking the construction industry, carpentry decoration and metalwork industries that need large torque to make works easier.
- Aug. 2019 - Innovative development of the structure of the electric drill stator with intelligent speed control function, and obtained patent certification.
- Aug. 2019 - The 18V brushless motor multi-function angle grinder + sander+ polisher which is a brand new 3 in 1 machine launched as the only innovative product in the world. The multi-functional and all-round application products were recognized by the international market.
- Jun. 2020 - It innovatively developed a trigger switch device for electric tools that prevents accidental touch. It is widely used in a variety of electric tools to greatly improve safety, and has been patented.
- Jul. 2020 - Was renamed Jenn Feng Industrial Tools Co., Ltd.

Sales Revenue by Product Line



MAXTEL
TM

Lighting



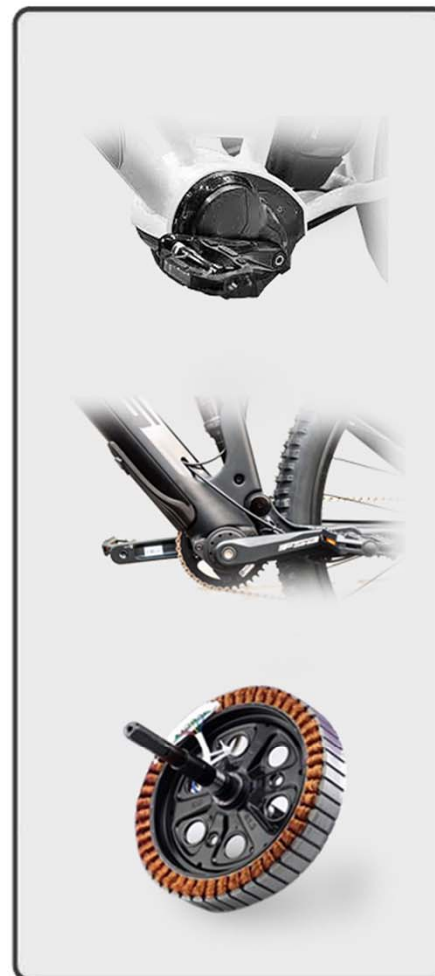
TALON
TOUGH TOOLS

Brushless Motors



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E-Bike power system



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Power Tools



TALON[®] Production Bases

TOUGH TOOLS



Taiwan, Headquarters & Factory

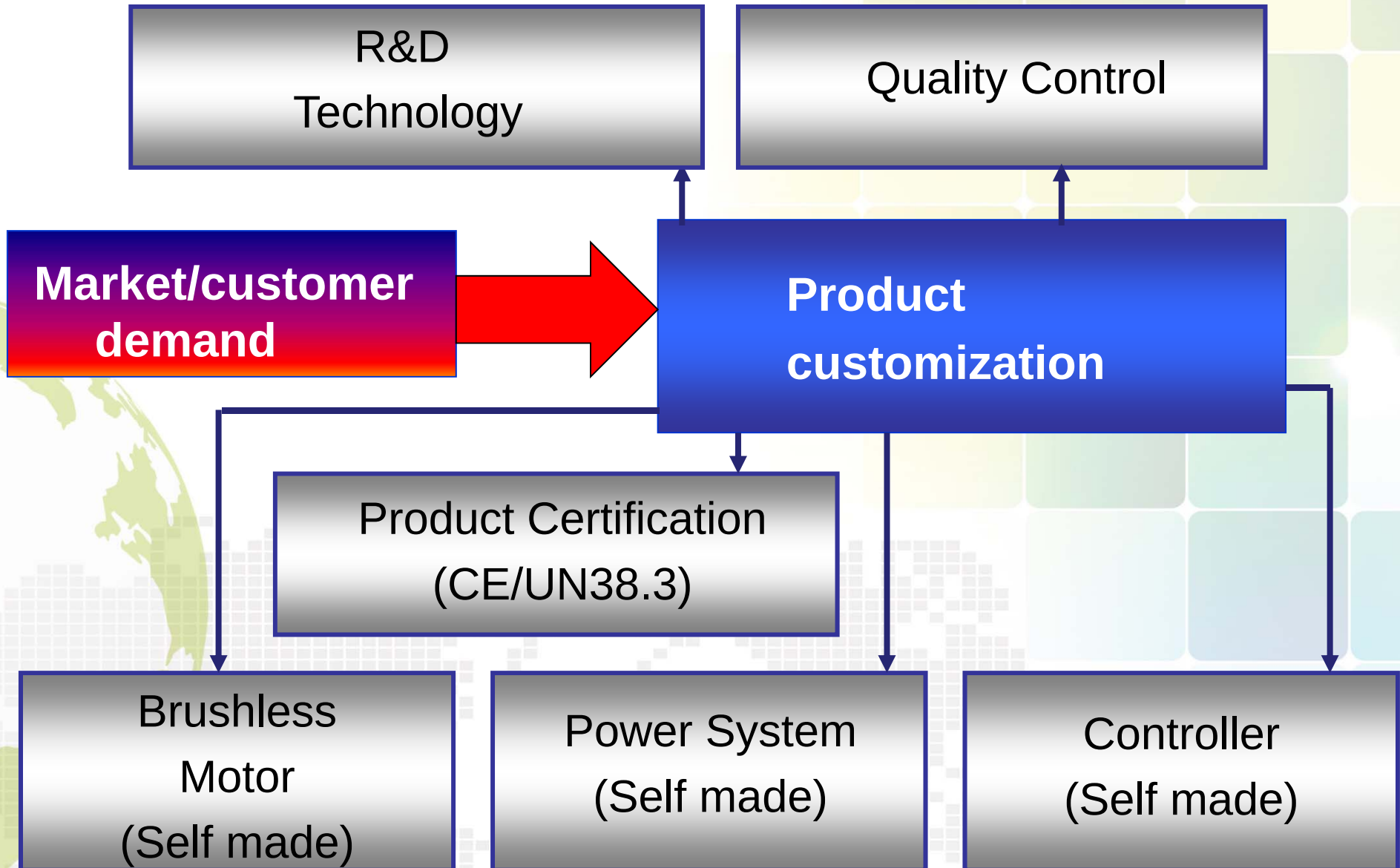


- Size : 7,855 m²
- Main Products : Power Tools, Brushless Motors, E-Bike power system, Lighting

China, Kunshan Factory



- Size : 3,770m²
- Main Products : Power Tools, Automotive Lighting



► Sales Service

- Customer-centric:

Complete business and service teams to meet customer needs.

- Products and services:

Create a win-win situation, prioritize customers and provide customers with the best products.

► Quality Assurance Service

- Quality policy : Provide excellent products, satisfy customer's request, Intensive education training, Continuous improvement in quality.
- Quality certification : ISO 9001:2015

► R&D Service

- Design and development activities :
Ensure compliance with customer needs and expectations.
- R&D team: Leading the team with experienced technical directors of power tools for 30 years.

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New Products

E-Bike City Bike Center Motor System-



The well-known Bosch has completely dominated the market since 2012. Other major European and Japanese manufacturers have watched the market grabbed. The center motor system must be an “All-in-one motor”, so The market for home motors must usually be a "system" rather than a motor. Because the controller and torque sensor are already built into the motor, the core-related components are integrated by a manufacturer, so they are integrated. Batteries and digital meters are even more taken for granted.

The center-mounted motor is directly below the rider, so the overlap of the center of gravity of the vehicle and the motor will make the handling less problematic. Especially on full suspension bikes (front and rear suspension), there are many types of bikes above All Mountain & Road This kind of combination requires the bike's center of gravity and the rider to be able to maintain consistency at all times during riding on rough roads. The center-mounted motor does have its advantages in this regard.

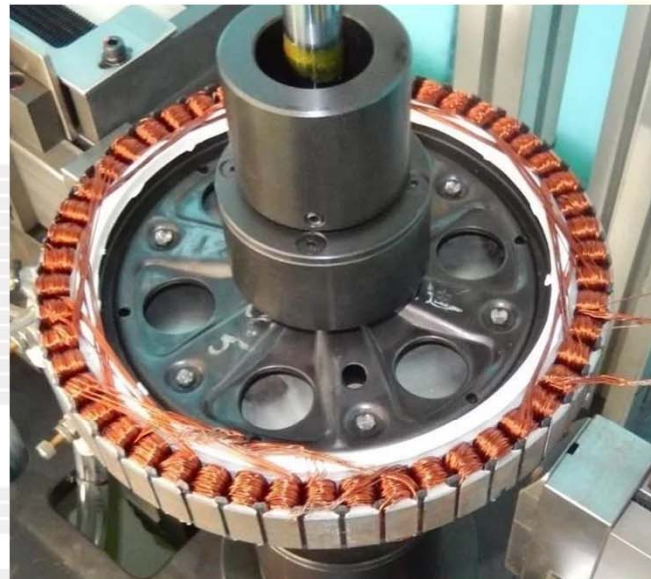
Advantages of the center motor:

- * **Selling in a systematic way without system integration has less burden on pure bicycle brands**
- * **The center of gravity is better**
- * **Manpower and motor drive are more intuitive (both through the chain)**
- * **No additional torque sensor required (built-in motor)**
- * **Can be used on off road vehicles**

Disadvantages of the center motor:

- * **Motor gear noise**
- * **Need to add a speed sensor to detect bike speed**
- * **The frame needs to be modified for the form of the motor, visually it is slightly abrupt at the five links**
- * **Chain specifications need to increase tensile strength due to the large output of the motor**

E-Bike City Bike Hub Motor System

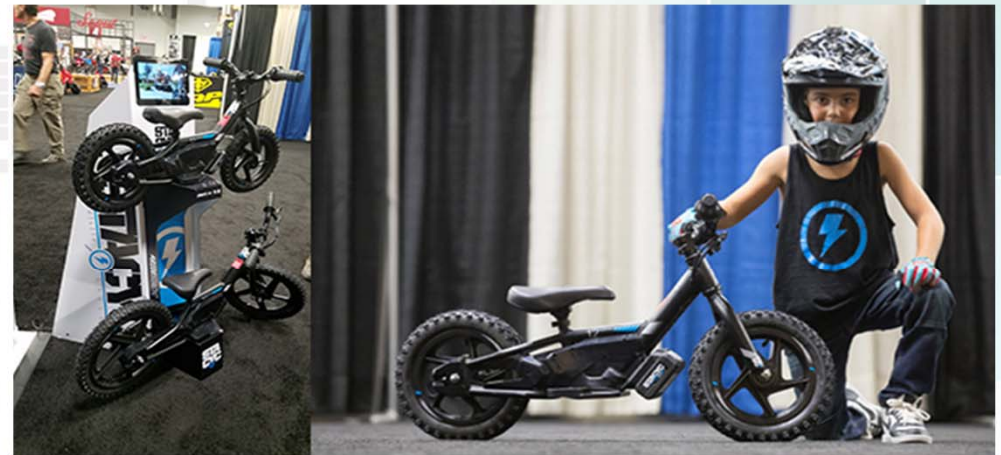


E-Bike Road / Mountain Bike Rear Hub Motor-



E-Scooter

16 " Kid bike motor /
controller / battery-
20 " Youth bike motor
/ controller / battery-



E-Bike Road / Mountain Bike Rear Hub Motor-



Shredder –

Cross-cut
20min. Continuous
Run Time
40min. Cool-Down
Time
37.9L Capacity



Brushless motor Power tools

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18V Brushless Hammer Drill Driver

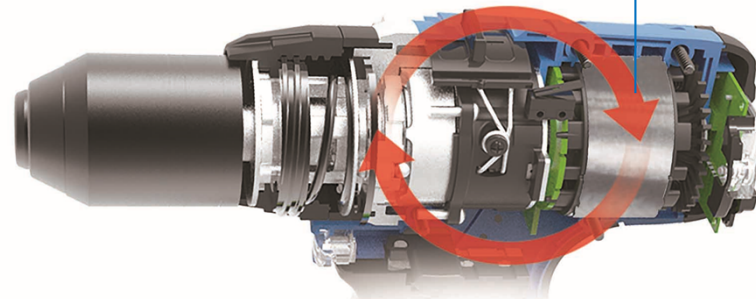


TD9152



High-performance intelligent controller provides 10 times longer motor life and 2 times run time

Intelligent controller from 250~500RPM low speed design specially for professional slow tapping objects



Intelligent controller is specially designed for precision machining and high performance & multifunction.

Ingress protection rating : IP56

Compact size in the expert grade only 185mm length. Ergonomic design with well balanced handle & side-handle

It can set ± 25 RPM from the lowest speed of 250~500RPM by one step. Set ± 100 RPM from the highest speed of 600~2,000RPM by one step, which can be set according to the speed & torque required for working objects.

Built-in LED light illuminates the working area

2-speed gearbox with variable speed switch





SPECIFICATION

Chuck Capacity	13mm (1/2") Metal Chuck
Drilling capacity in wood	38mm (1-5/8")
Drilling capacity in steel	13mm (1/2")
Drilling capacity in masonry	13mm (1/2")
Max. Torque	125Nm
No Load Speed	(L) : 0~500 RPM, (H) : 0~2,000 RPM
Blow Per Minute	0-30,000 BPM
Adjustable Torque	21 +1 +1 (Hammer + Screwdriver)
Tool Weight (W/O Battery)	Net 1.66 kg (3.69 lbs)



18V Multi-function **Brushless** motor cut-off angle grinder / polisher / sander



TG7305



High-performance intelligent controller provides 10 times longer motor life and 2 times run time

Convenient left and right auxiliary side-handles
The ergonomic handle design is the best in its class

The spanner is designed in the handle



- 6" (152mm) waxing polisher, 800~1,500RPM constant speed setting provides uniform waxing ability.
- Full-size automotive waxing can be done on a medium to good coating on a single charge (4.0 Ah).
- A better balanced design distributes more weight to the pad, providing natural pressure to the pad.

- 5" (127mm) sander function, 7,000RPM constant speed setting provides frosting function, and does not slow down during use.
- Can be used on metal surfaces, wood furniture, and other areas that require sanding or polishing.
- Continuous operation lock (Lock-On) and cordless design allow users to move freely without additional interference such as cable length.

Ingress protection rating :
IP56

Quick release cover
Removable dust screen
Lock-off / Lock-on design
Quick stop design, stop the grinding wheel in 2 seconds



Light Indication	Speed Selection /RPM	Application	Light Indication	Speed Selection /RPM	Application
	1 / 800RPM	Polishing		4 / 4,500RPM	Sanding
	2 / 1,500RPM	Polishing		5 / 5,500RPM	Sanding
	3 / 3,500RPM	Sanding		6 / 7,000RPM	Sanding, Cutting, Grinding

SPECIFICATION

Grinding Wheel	115mm (4-1/2") or 125mm (5")
Spindle Thread	M14
Disk Hole Dia.	31mm
No Load Speed	(1) 800 RPM, (2) 1,500 RPM, (3) 3,500 RPM (4) 4,500 RPM, (5) 5,500 RPM, (6) 7,000 RPM
Weight (W/O Battery)	Net 1.5 kg



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18V Brushless High Torque Impact Wrench



TD7955



High-performance intelligent controller provides 10 times longer motor life and 2 times run time



No friction loss and reduced heat production with longer runtime & lower power consumptions

Ingress protection rating : IP56

Automatically stop running for over 5 minutes, prevents any unintentional contacts with electricity consumption & safety

Built-in LED light illuminates the working area



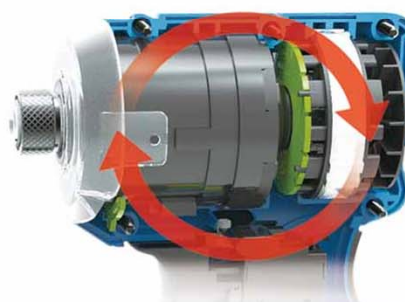
Impact force grade displayed on panel	Approx. rpm / ipm / torque	Application
	0~1,900 RPM 0~2,400 IPM 850 Nm	Heavy duty fastening
	0~1,200 RPM 0~1,600 IPM 600 Nm	Medium duty fastening
	0~900 RPM 0~1,200 IPM 300 Nm	Light duty fastening
	Automatic adjustment by controller	"R Mode" for nuts in case fly out at high speed

No Load Speed	(L) 0~900 RPM, (M) 0~1200 RPM (H) 0~1900 RPM, (R) 0~1900 / 0~500 RPM
Max. Torque	850 Nm
Breakaway Torque	1100 Nm
Hex. Collet	1/2" (12.7 mm)
Impact per minute	(L) 1200 IPM, (M) 1600 IPM (H) 2400 IPM
Tool weight	2.32 kg (5.10 lbs)





High-performance intelligent controller provides 10 times longer motor life and 2 times run time



"T Mode" Means Task Mode. It starts off at the highest speed and power setting once the impact mechanism kicks in, signaling an increase in fastener resistance, the tool automatically shifts down to the proper speed setting for final tightening. This leads to quicker speed of application, compared to starting off at the slower medium speed setting, and still works to prevent damage to bits, fasteners or work pieces.



The shortest design comparing equivalent tool in the world. Compact size in the expert grade only 119mm length.



Ingress protection rating : IP56

Automatically stop running for over 5 minutes, prevents any unintentional contacts with electricity consumption & safety



Built-in LED light illuminates the working area

Impact force grade displayed on panel	Approx. RPM / IPM / torque	Application
	0~3,600 RPM 0~3,800 IPM 180 Nm	Heavy duty fastening
	0~2,400 RPM 0~2,500 IPM 110 Nm	Medium duty fastening
	0~1,200 RPM 0~1,300 IPM 50 Nm	Light duty fastening
	0~3,600 RPM 0~1,300 IPM	"T Mode", an downshifts and reduces rotation and impact speed prior to driving the screw into place.
	100~2,500 RPM	"C Mode", is fixing the same speed to use for a long time. This mode for blending only not for drilling, screwing & fastener.

No Load Speed	(L) 0~1200 RPM, (M) 0~2400 RPM, (H) 0~3600 RPM, (T) 0~3600 RPM, (C) 0~2500 RPM
Max. Torque	(L) 50Nm (510 kgf-cm), (M) 110Nm (1121 kgf-cm) (H) 180 Nm (1835 kgf-cm)
Hex. Collet	1/4" (6.35 mm)
Impact per minute	(L) 0~1300 IPM, (M) 0~2500 IPM (H) 0~3800 IPM, (T) 0~1300 IPM
Tool weight	0.89 kg (1.96 lbs)



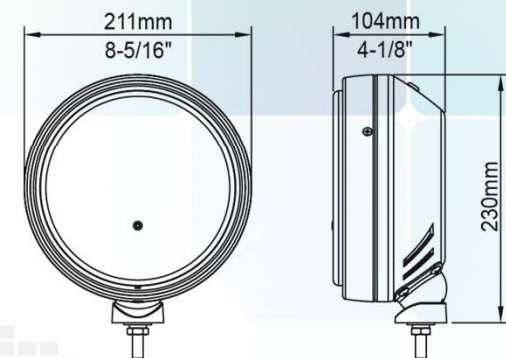
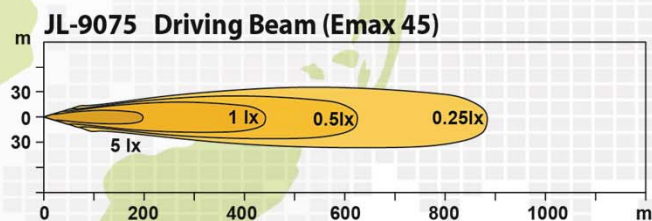
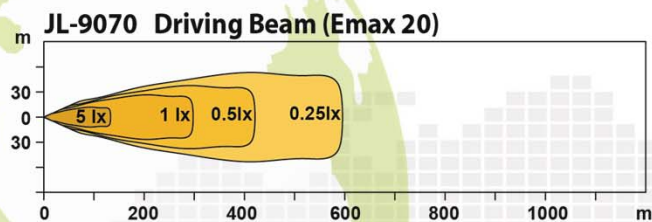
Positive peak LED Driving lights and work lights

JL-9070/JL-9075

SPECIFICATIONS:

- New technology - driving light with innovative optical design (Magic Lens) & high intensity LED light source array
- With 6 high powered 10W CREE LEDs
- Typical lumen 4,800lm
- Efficient power consumption
- Stainless steel housing
- Hardened Polycarbonate (PC) lens
- ECE-approved driving beam (R112/ Emax 20 or R112/ Emax 45) with position light (R7)
- DUAL voltage input DC 12V / 24V
- Waterproof resistance IP67

Magic Lens
20% Brighter



SPECIFICATIONS:

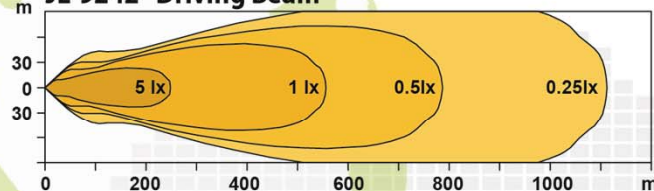
- New technology – work light with innovative optical design (Magic Lens) & high intensity LED light source array
- With 24 high powered 10W CREE LEDs
- Efficient power consumption
- Aluminum die cast housing
- Hardened Polycarbonate (PC) lens
- Stainless steel mounting brackets with fine adjustment system
- ECE-approved driving beam (R112/ Emax 20) per module
- Pencil beam for off-road operation
- DUAL voltage input DC 12V / 24V
- Waterproof resistance IP67

JL-9242/JL-9245

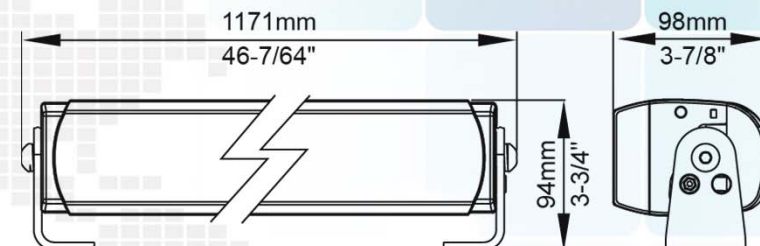
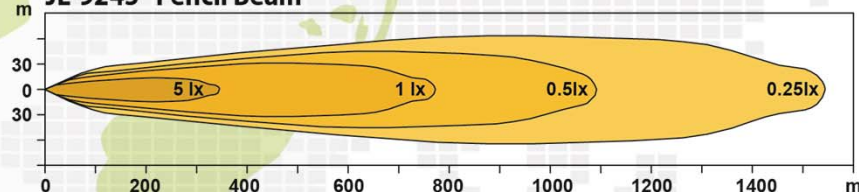
Magic Lens
20% Brighter



JL-9242 Driving Beam



JL-9245 Pencil Beam

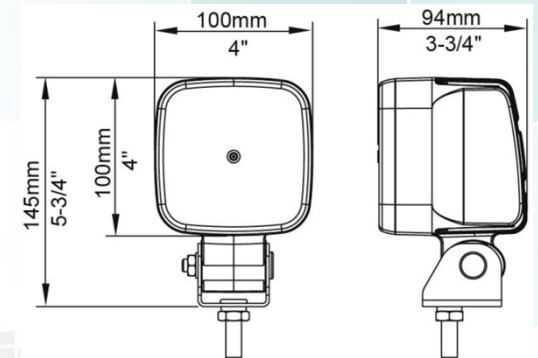
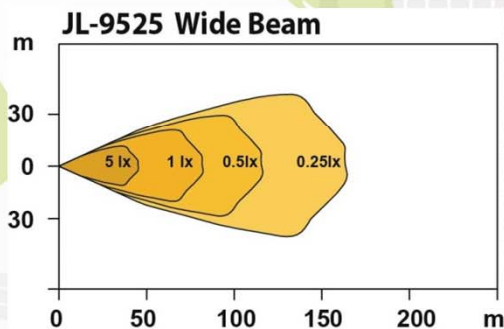


JL-9525

SPECIFICATIONS:

- New technology – work light with innovative optical design (Magic Lens) & high intensity LED light source array
- With 4 high powered 10W CREE LEDs
- Efficient power consumption
- Aluminum die cast housing
- Hardened Polycarbonate (PC) lens
- Innovated – vibration free mount stainless steel mounting bracket with rubber cushion
- Apply to mining, forestry, construction, agriculture, utility & specialty trucks
- DUAL voltage input DC 12V / 24V
- Deutsch 2-pin weather-proof connector
- Waterproof resistance IP67

**Magic Lens
20% Brighter**



Thank you!

