



ERAY TECHNOLOGY HARDWARE CO., LTD.

Fastener You Need, We Develop it !

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Made in Taiwan.

ERAY TECHNOLOGY HARDWARE CO., LTD.

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COMPANY PROFILE

ERAY is established since 2004 by manufacturing hardware related parts for 20 years and especially has substantial experiences on multi-station cold forging production.

We feature capability of meeting product specification requirement, on-time production demand, and stable quality output, which reaches to the win-win cooperation among customers.

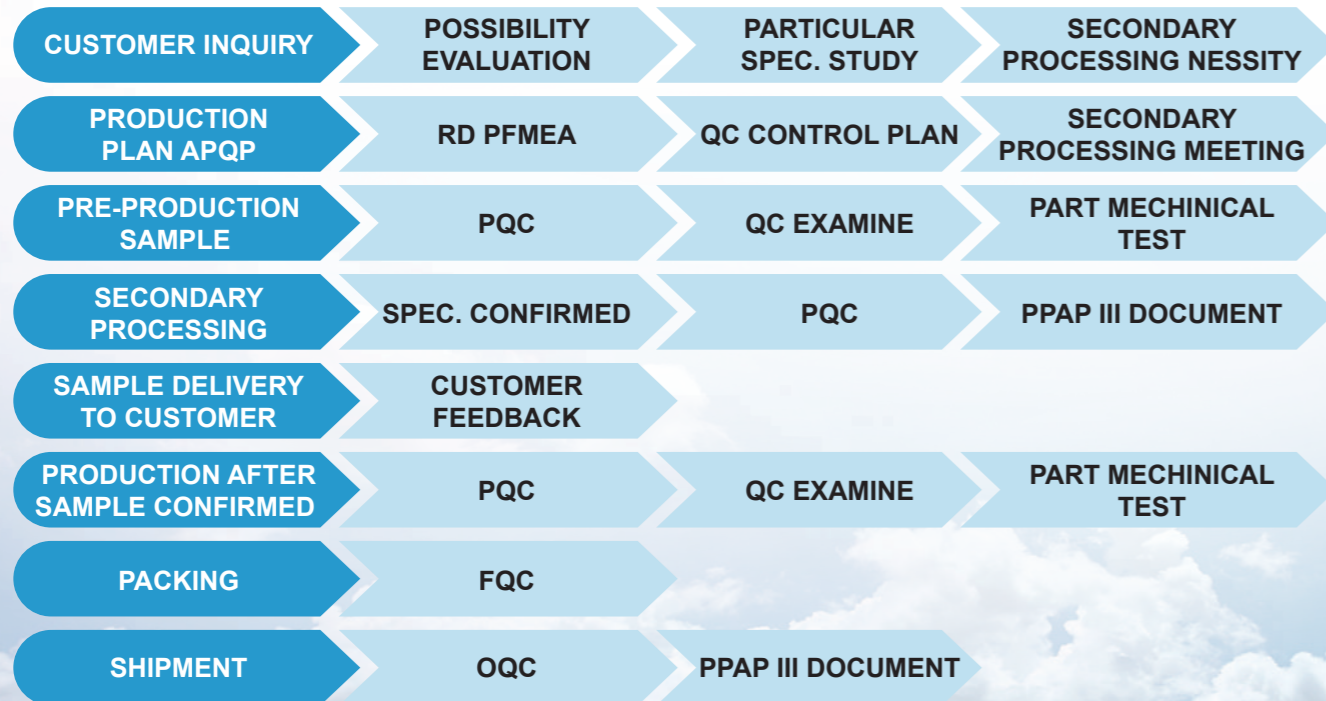
The applications of cold-forging parts include automotive, motorbike, agriculture, semiconductor, and etc.

Fastener You Need, We Develop It !

PURPOSE

Keep developing, inspect strictly, and manufacture high quality. Be the best fastener supplier in the world.

OEM/ODM SERVICE



CERTIFICATE

ISO 9001: 2015 (2022)

IATF 16949 : 2016 (2024)



FACILITY

Series of Multi-Station Cold Forging Facility :

Satisfy diverse types of parts and meet mass production efficiency demands.

Cold Former	Type	CBP-56S	CBP-65S	CBP-85S	CBP-105S	CBP-135L
No. of Facility	set	2	1	7	2	1
No. of Forging Station	station	6	5	5	5	5

Cut-off Diameter(mm) : $\phi 1.5 \sim \phi 18$ Cut-off Length (mm) : 1 L ~ 160 L

High Accuracy CNC Machining Centers :

Increase higher accuracy of secondary processing, create added-value and provide higher class of fasteners.

CNC Machining Centers	Type	Robodrill	Robodrill
"FANUC" Imported From Japan	Model	α -D21MiB	α -D21LiB
No. of Facility	set	2	2

Secondary Process Facility :

Provide versatile secondary processing inner company to control quality stability and decrease outsourcing NG parts possibility.

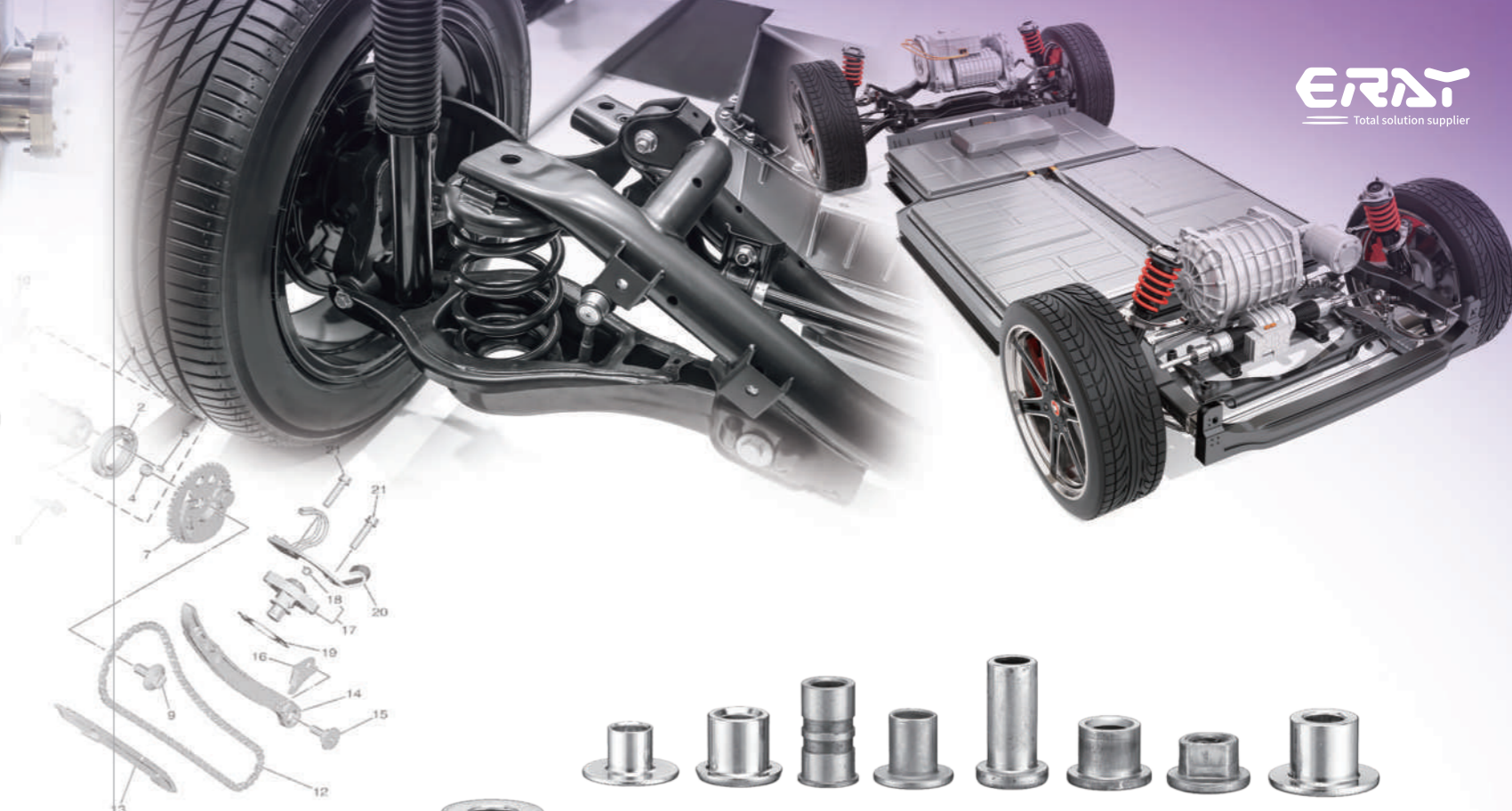
Thread Rolling Machine	Type	NO.1/4	NO.5/16
	Model		
No. of Facility	set	2	1
Tapping Machine			
No. of Facility	set	11	

High Precision Measurement Tools

Execute all dimension measurements by precise facility is the key to control quality stability of mass production output.

- KEYENCE Image Dimension Measurement System
- MICRO-VU 2.5D Image Measurement
- Tensile Strength Teting Machine, Torque Testing Machine, Hardness Testing Machine, Concentricity Gauge
- Thread Gauge/Pin Gauge, Optical Sorting Machine





VACUUMED SCREW / VENTED SCREW

Introduction :

Vacuumed fastener is mostly applied to vacuumed system, such as HV/UHV Chamber. They feature a middle hollow core, which are specially designed to prevent pockets of gases from being trapped and allow the trapped pressure through the fastener.

ERAY features unique capability of hollow core processing with less influences on metallography.

Also features with minor diameter of ventilation hole compared with competitors, which maintains high tensile strength of fasteners.

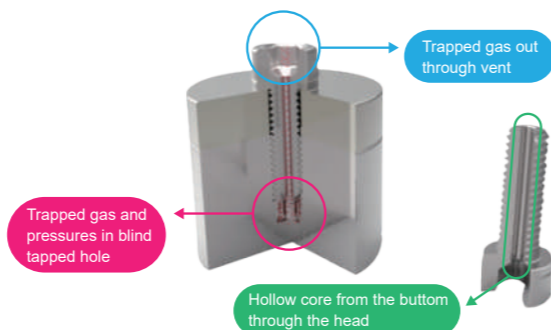
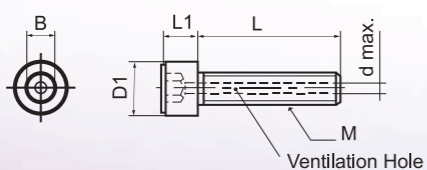
They are the purpose to decrease vacuumed facility down time and improves equipment assembling efficiency.

Application :

Vacuum Processing, Semiconductor, Optics, Food Processing, and Clean Room

Material : SUS 304

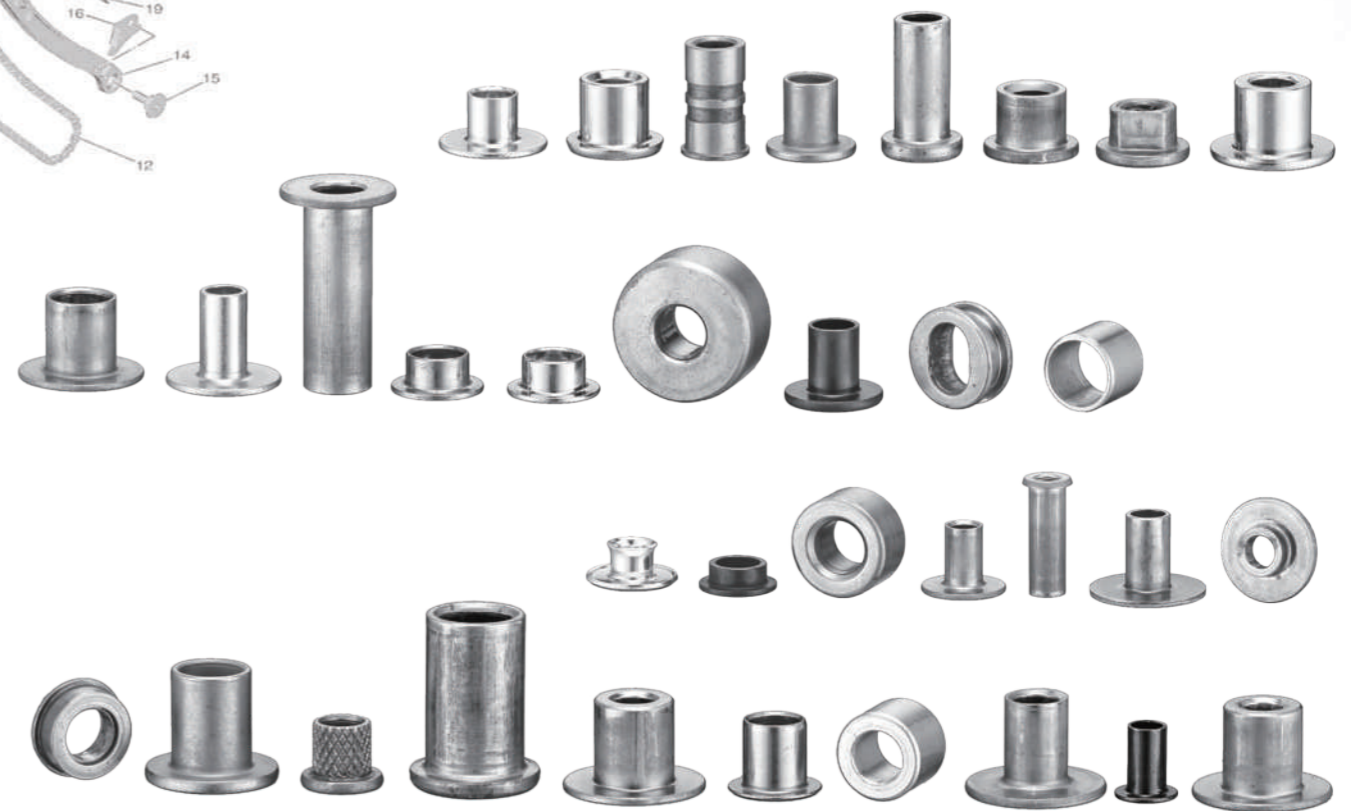
Specification :



ThreadM	B	D1	L1	L	d
M3-0.5	2.5	5.5	3	5~30	φ1.2
M4-0.7	3	7	4	6~40	φ1.5
M5-0.8	4	8.5	5	10~50	φ1.6
M6-1.0	5	10	6	10~60	φ1.6
M8-1.25	6	13	6	16~80	φ1.8
M10-1.5	8	16	10	16~100	φ1.8
M12-1.75	10	18	12	20~100	φ2.0
M14-2.0	12	21	14	30~100	φ2.0

Other Fastener Available :

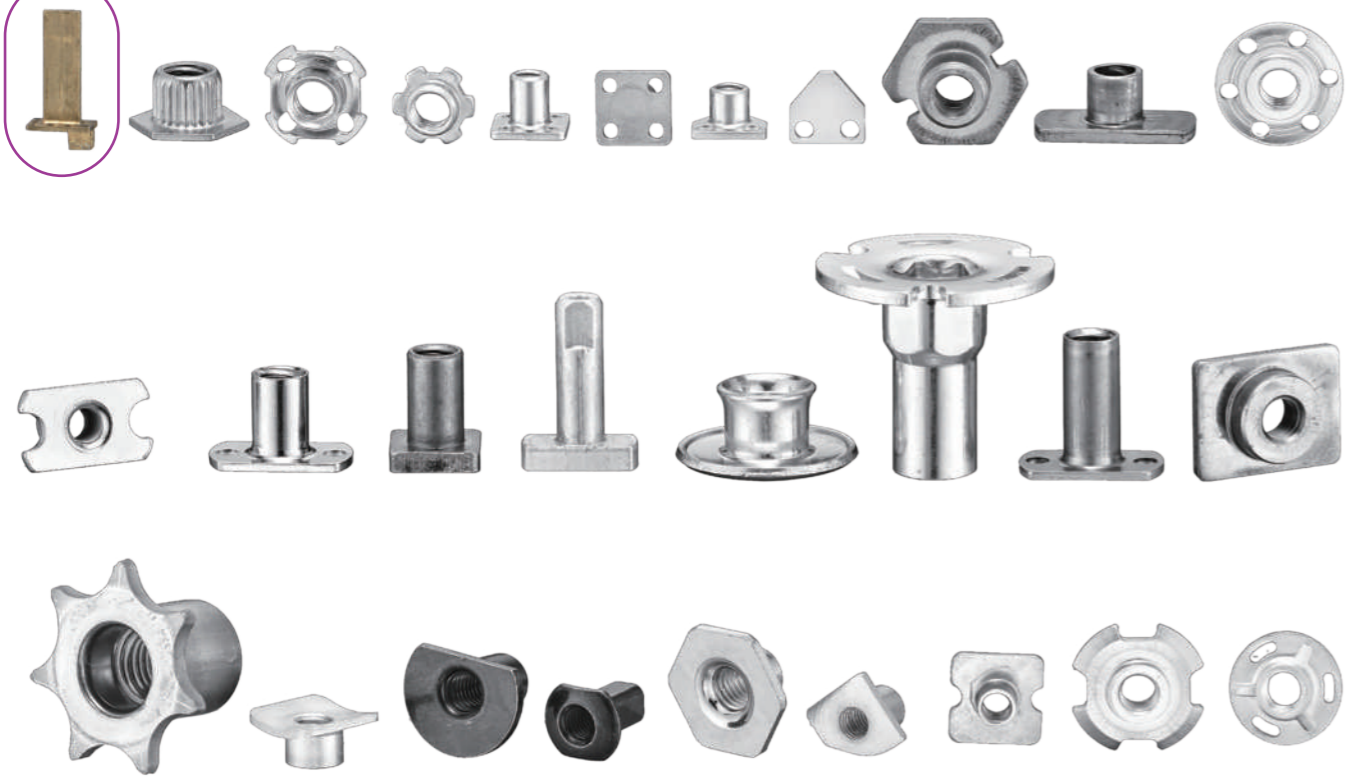
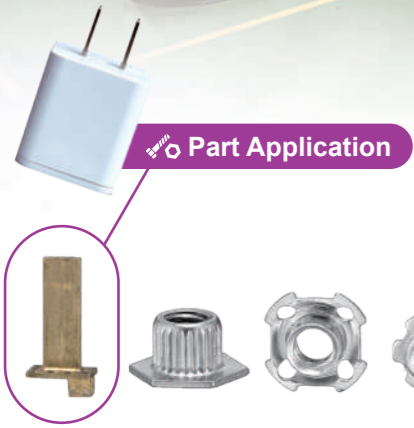
- DIN 912 Hexagon socket Head Cap Screw
- DIN 931/933 Hexagon Head Bolts with Thread up to Head/with Shank
- ISO 7380 Hexagon Socket Button Head Cap Screw
- ISO 10642 Hexagon Socket Countersunk Head Cap Screw



BUSHING / INNER SLEEVE

Introduction :

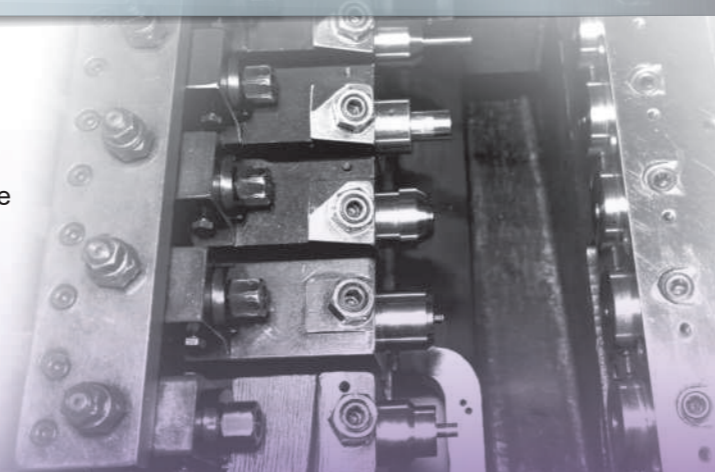
Bushing and Sleeves are usually shaped into cylinder or tube type. Mostly are inserted into inner bore or assembled with axle shafts.



CUSTOMERIZED FASTENER

Introduction :

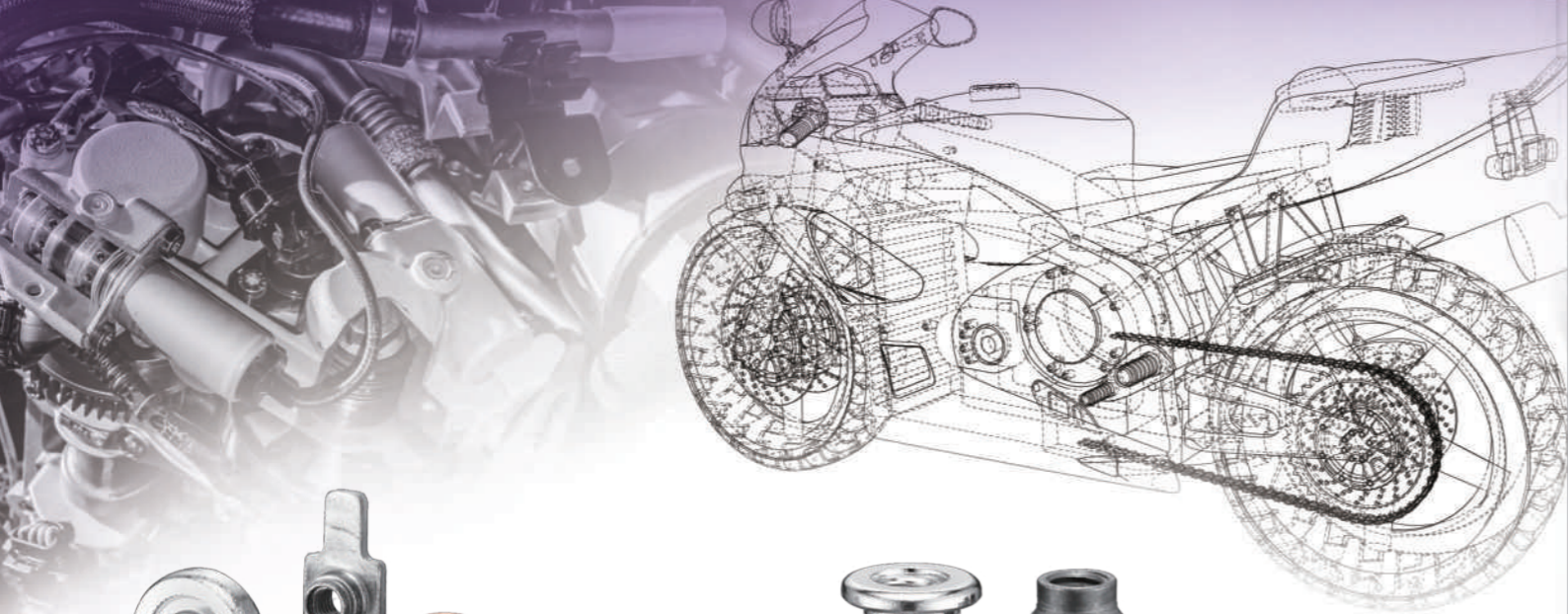
Manufactured by multi-station cold forming process, they are versatile shaped nuts that can be fastened with different shaped matching parts.



SPOT WELD NUT / SPOT WELD BOLT

Introduction :

Spot welding nut/bolt is applied to be welded with metal sheet or metal hardware. Spot patterns on the nut/bolt are on requests. It can be dots, circles, triangles, and etc.



AUTOMOTIVE / MOTORBIKE FASTENER

Introduction :

Develop and provide OEM parts to the customers from automotive/motorbike market.



PRONG TEE NUT / PROPELLER TEE NUT

Introduction :

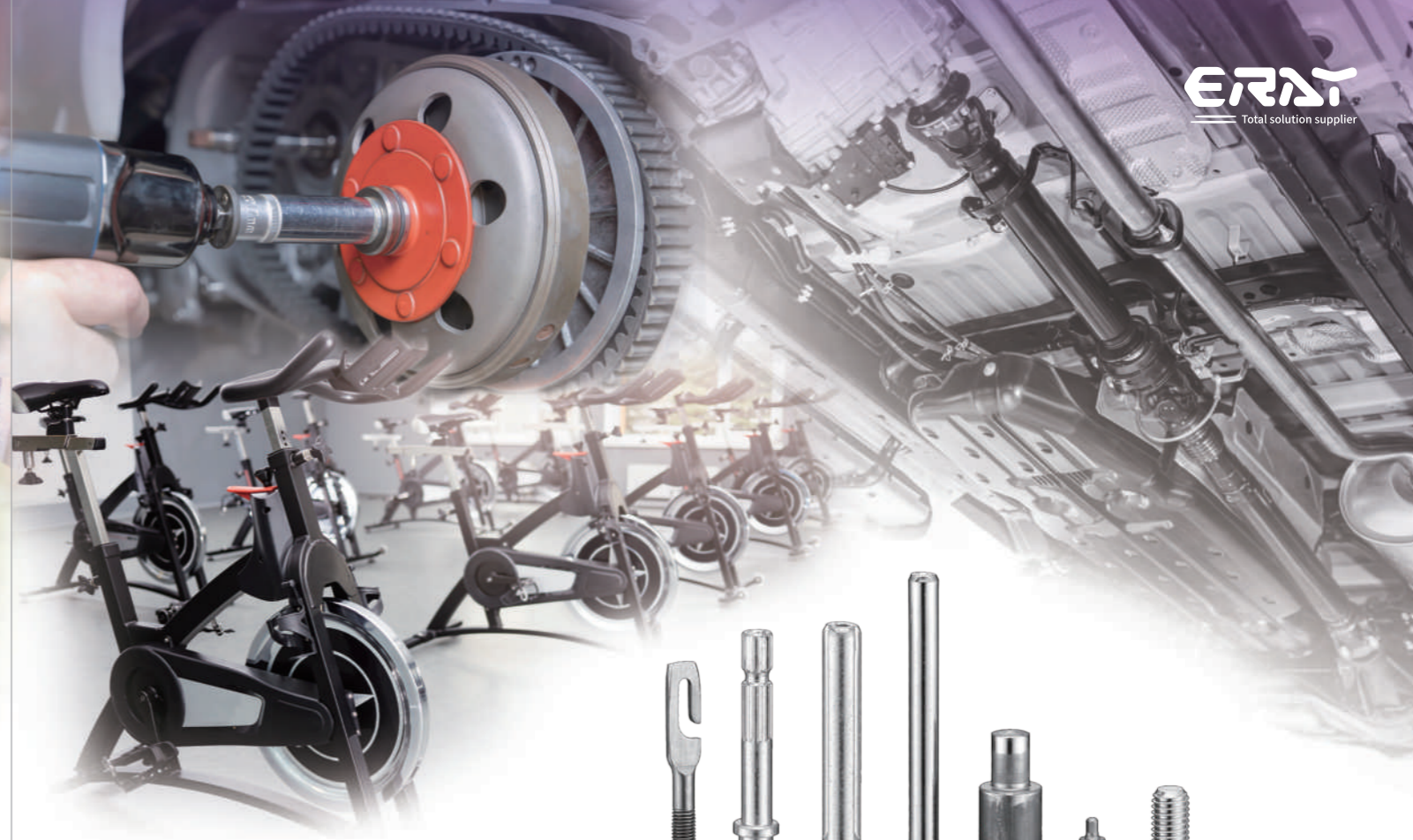
Prong tee nut and propeller tee nut are the widely used on the fastener application, which are mostly fastened under wood, plastic, and plate. They replace traditional nuts with strong stability and fast application. Based on different environmental requirements, it can be produced by carbon steel, stainless, and copper alloy.



RECEPTACLE / SOCCER STUD / RUGBY STUD

Introduction :

Various receptacle and stud are applied onto the outsole of shoes for different sports with different designs, such as soccer, golf, athletics, polar adventure, and etc. Based on different environmental requirements, it can be produced by aluminium alloy, stainless and carbide. ERAY cooperates with big shoes manufacturers to develop versatile receptacles and studs. With accumulated experiences from tests and design modifications, ERAY has abundant and unreplaceable knowledges on the production.



MAGNETIC HEX NUT & BOLT DRIVER / GEAR SHAFT / BEARING SHAFT

Introduction :

ERAY produces high quality multi-station forming part to hand tool exporters with the material of SCM435 (chromium molybdenum alloy steel), 6150H (chrome vanadium alloy steel) and S2 (alloy tool steel). Based on the mechanical drawing, ERAY develops axle shaft with the characteristic of high strength, excellent toughness and shock resistance for power transmission.