



CHONGQING UNITED TECHNOLOGY, INC.

**Sourcing in Asia, One-Stop Solution**

[www.cqunited.com](http://www.cqunited.com)



CMT IMPORTS, INC.  
CHINA LABORATORY  
重庆聚才科技发展有限公司  
CHONGQING UNITED TECHNOLOGY, INC.



## *Company Overview*

Founded in 2002, CUTI (Chongqing United Technology Inc.) is an engineering and quality oriented company, our services include product design and development, new supplier development, technical support and consulting, supplier quality management, logistics and warehousing and self-owned advanced laboratory, etc.

Based on our experienced technical and quality management team, and the trust relationship established through long-term cooperation with suppliers and customers during the past 22 years, we have successfully developed and supplied various of aluminum alloy castings, ferrous metal castings, forgings, metal injection moldings and other types of processing and precision machining products, as well as electronics & electrical appliances for automobiles, motorcycles, construction machinery, railways, boats and other fields.



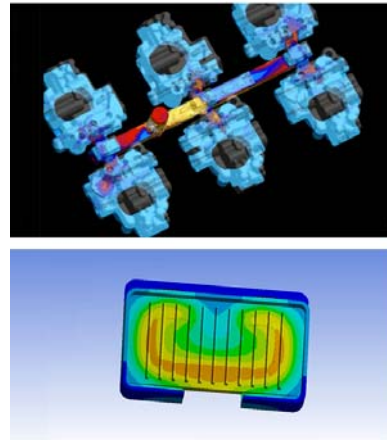
# Sourcing in Asia, One-Stop Solution

## What We Do



### Sourcing & Consulting

- Massive High-Quality Suppliers in China
- Expanding Resources in Asia
- Technical Consulting
- Cost Reduction Solutions



### Engineering

- Tooling Design
- Casting Simulation
- FEA Strength Analysis
- Process Feasibility Analysis
- Manufacturability improvement
- Mechanical and Electrical Product Design



### Quality Management

- Quality Audit per VDA6.3, IATF16949, ISO9001, CQI-9, CQI-27, etc.
- Suppliers Continuous Improvement
- Project Management Follow APQP – PPAP Process
- Problem Solving in 8D
- Daily Quality Monitoring
- Rapid On-Site Response



### Laboratory

- Higher Accuracy Level Than Factory Equipment
- Comprehensive Testing Capabilities
- Regular Product Quality Checks
- PPAP Samples Double Check
- Measurement Correlation Between Suppliers and Customers

# Sourcing in Asia, One-Stop Solution

## *Actual Sourcing in Asia*

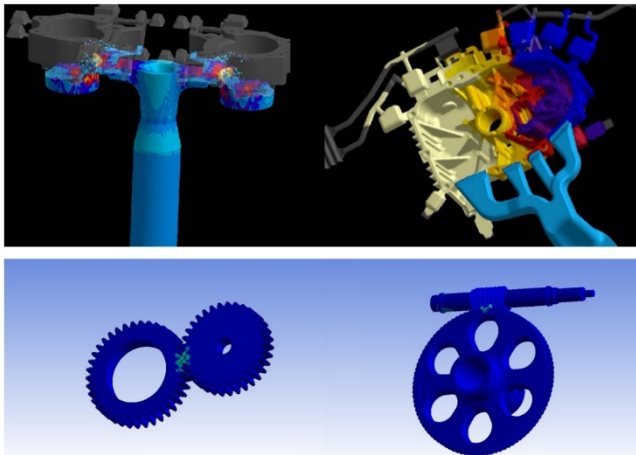
In addition to the large number of CUTI certified quality suppliers in China, we continue to explore various manufacturers located in Asian Area to expand our resources of high quality potential suppliers. CUTI can always pick the most specific ones both with excellent quality and cost advantage to fulfill customers' requirements.

**Vietnam**  
**Thailand**  
**India**  
**Malaysia**



## Engineering

20 engineers and technicians for design capacity (proactive with customer's design team), engineering for all kinds of processes (casting, forging, machining, heat treatment, painting, washing, inspection, testing, etc.), providing technical support and counseling, establishing efficient and professional communication between customers and suppliers, greatly reducing the cost and lead time for new project development.



### Tooling Design

Casting Simulation  
Strength Analysis



### Gearbox

Redesign the structure of gearbox  
to increase lift capacity

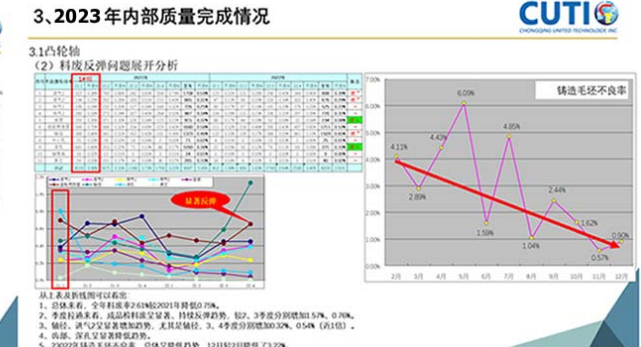
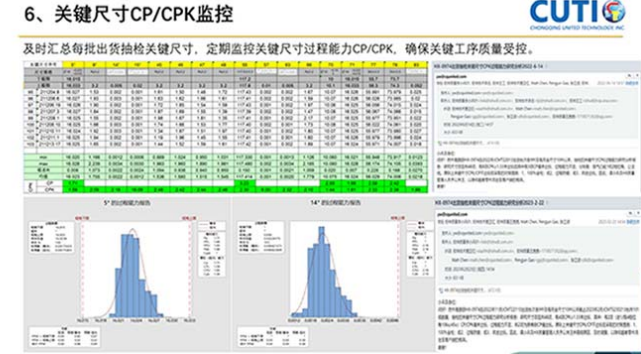
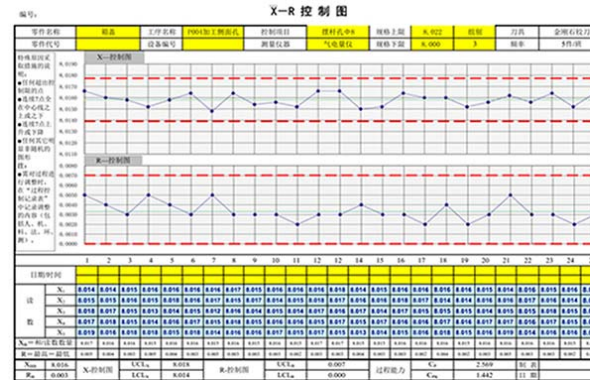


### Wind Indicator With Apps For Android and iOS

Complete design of wind indicator for all  
components, chips and circuit diagram

## Quality Management

With 20 years of experience working with global leading companies in the industry, we are able to provide effective quality audits (per VDA6.3, IATF16949, ISO9001, CQI-9, CQI-27, etc.) and continuous improvements to suppliers to meet customer's requirements, follow APQP - PPAP process for new product development, problem solving in the form of 8D reports, and continuously help suppliers to improve their process capabilities and quality performance.



## *Rapid On-Site Response*

We have set up on-site quality inspectors at our major suppliers to monitor quality performance and production status in real time on a daily basis. Our team can be onsite in the factory within 12 hours after an issue has been identified and begin finding a solution.



## *Laboratory*

Our laboratory equipped with advanced equipment from Zeiss, Olympus, Keyence and Mitutoyo, with comprehensive product measuring and testing capabilities. We also established cooperation with third-party testing facilities to monitor product quality in all aspects.





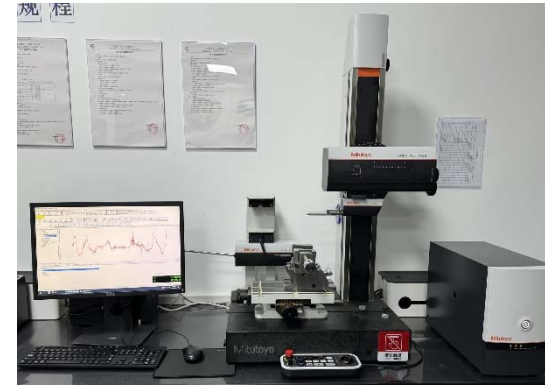
## Laboratory



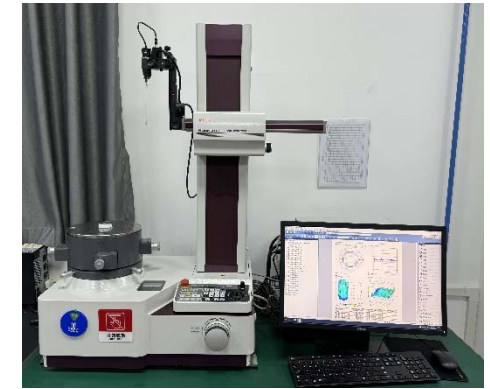
CMM Zeiss Contura  
900×1200×900



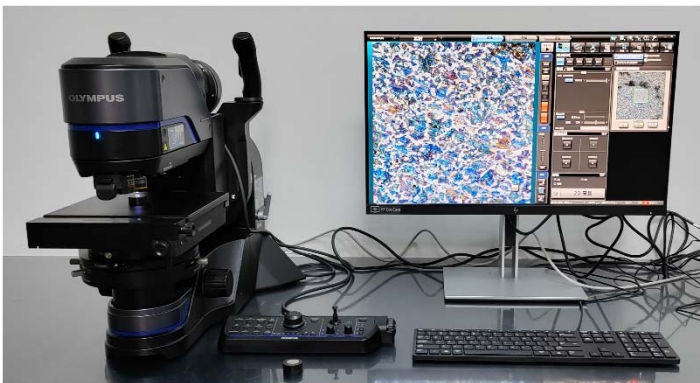
KEYENCE IM-8030  
Optical Comparator



Mitutoyo FTA-H4D4000-D  
Roughness and Profile Meter



Mitutoyo RA-2200AH  
Cylindricity Meter



Olympus DSX1000 Microscope with 3D  
Scan Capability On Fracture Surface



Hardness Tester HV, HB, HRC



Metallographic Specimen Preparing

# Sourcing in Asia, One-Stop Solution

## ***North America Sales Team and Warehouse***



CMT's North American sales team reaches out to various industries to obtain diverse product RFQs, providing suppliers with plenty of quotation opportunities and after-sales service in the market. Safety stock is established in our own warehouse in North America which greatly reduces delivery risk.



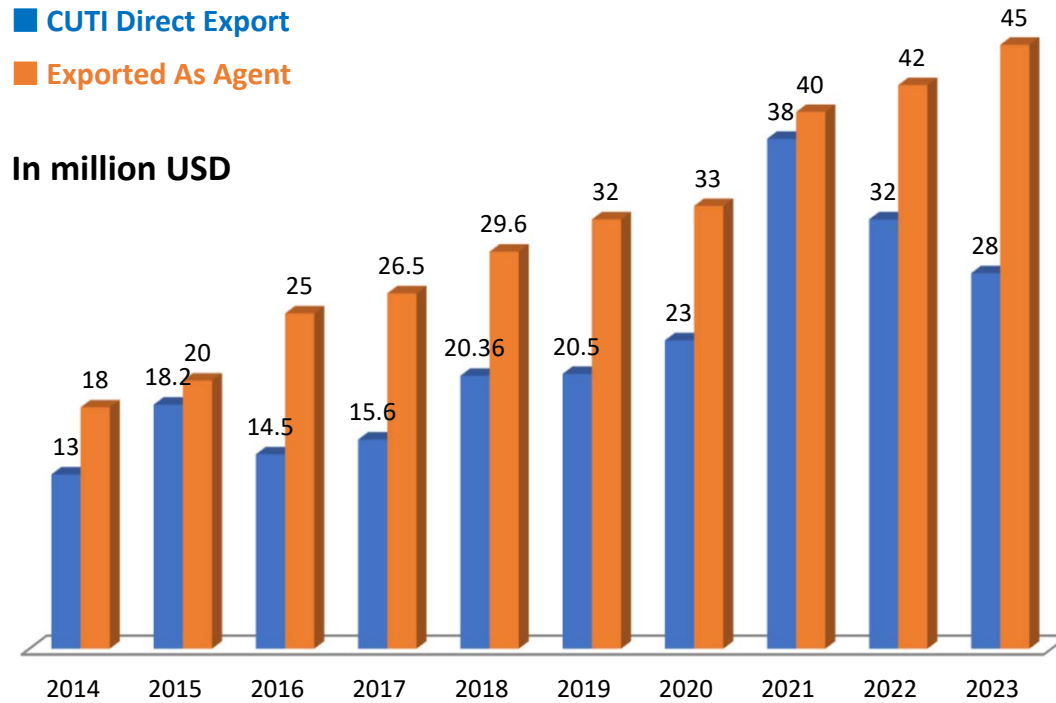
**Office:** 2930 Glendale-Milford Road, Suite 330  
Cincinnati, OH 45241-3131 USA  
<https://cmtimports.com/>



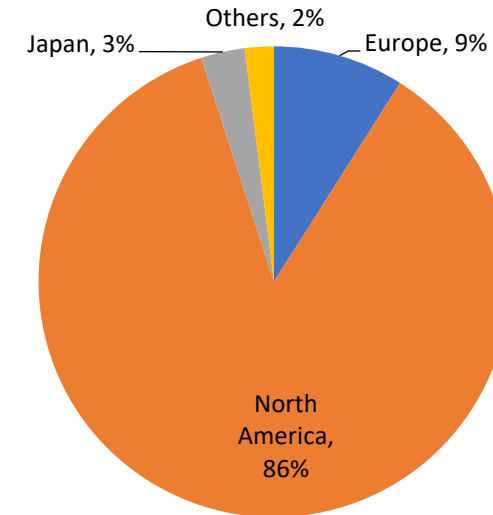
**Warehouse:** 2961 Exon Ave Cincinnati, Ohio 45241, USA

# Sourcing in Asia, One-Stop Solution

## Sales



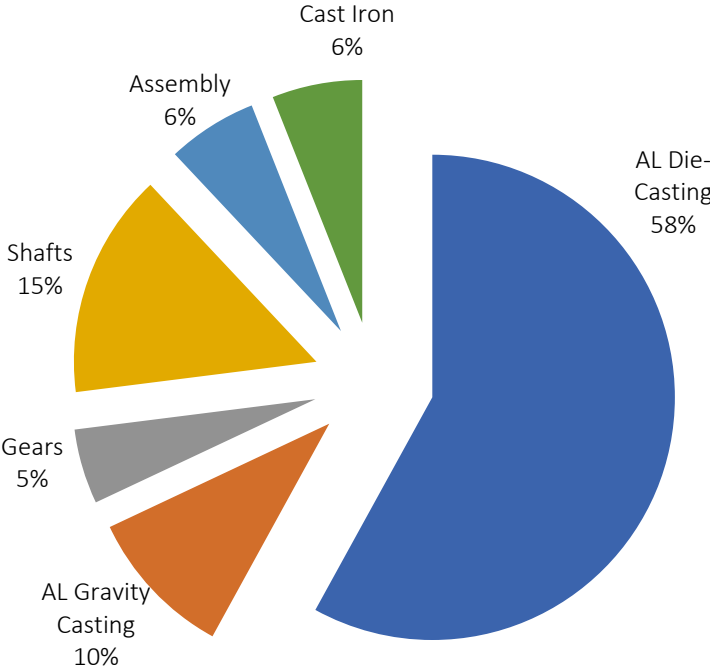
## Area Distribution



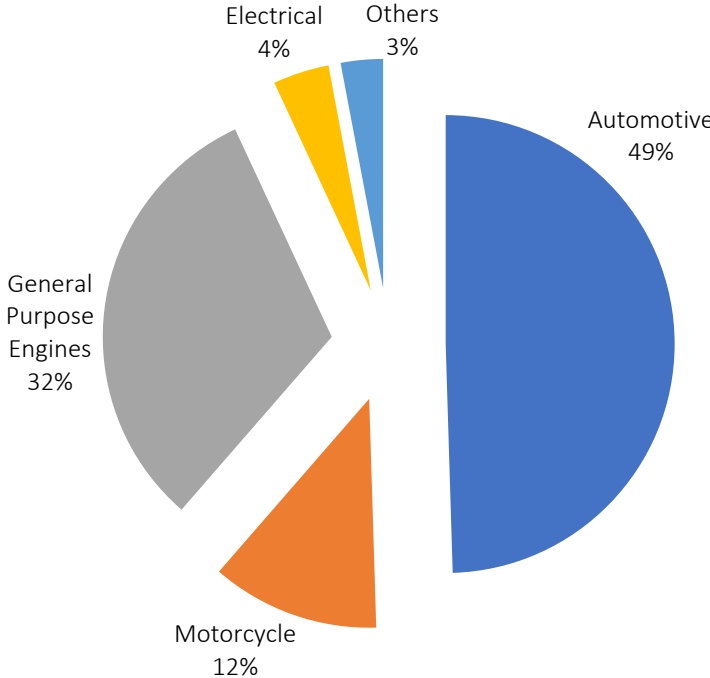
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## Sales

Sales Per Products /Materials



Sales Per Industry



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## Customers



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## Awards



**Polaris**

2016 Delivery Performance



**UniCarriers**

2016 Challenge for Excellence Award



**UniCarriers**

2018 Challenge for Excellence Award



**Tuff Torq**

2016 Supplier Excellence



**Tuff Torq**

2018 Supplier Quality Audit Award for Highest Audit Score

## Awards



**Kawasaki Motors**  
2017 Supplier of  
the Year



**Kawasaki Engines**  
2018 Cost Savings



**Kawasaki Motors**  
2019 Supplier of  
the Year



**Caterpillar**  
Supplier Quality Excellent  
Process

# Sourcing in Asia, One-Stop Solution

## *Products – Aluminum Die Casting*

Die Casting Machines Ranging From 250T-4500T (9000T max.)

Typical Part Weight to 40kg (160kg max.)

Material: A380, A383, A360, B390, ADC14, ADC12, ADC10, EN AC 46000, 44300, 43400, etc.





## ***Products – Aluminum Permanent Mold / Low Pressure Casting***

Permanent Mold or Sand Casting, T5 T6 T7 Heat Treatment, Impregnation, Passivation, Powder Coating, Anodizing, Painting, Electroplate, Micro-Arc Oxidation, Machining, etc.

Typical Part Size: Permanent Mold 1300mm×700mm;

Low Pressure Casting:  $\phi$ 1500mm or 2350mm×1650mm

Material: A356, A357, ZL107, ZL117, AlSi7Mg0.3, AlSi7Mg0.6, AlSi8Cu3, etc.



# Sourcing in Asia, One-Stop Solution

## ***Products – Gray / Ductile Iron Casting***

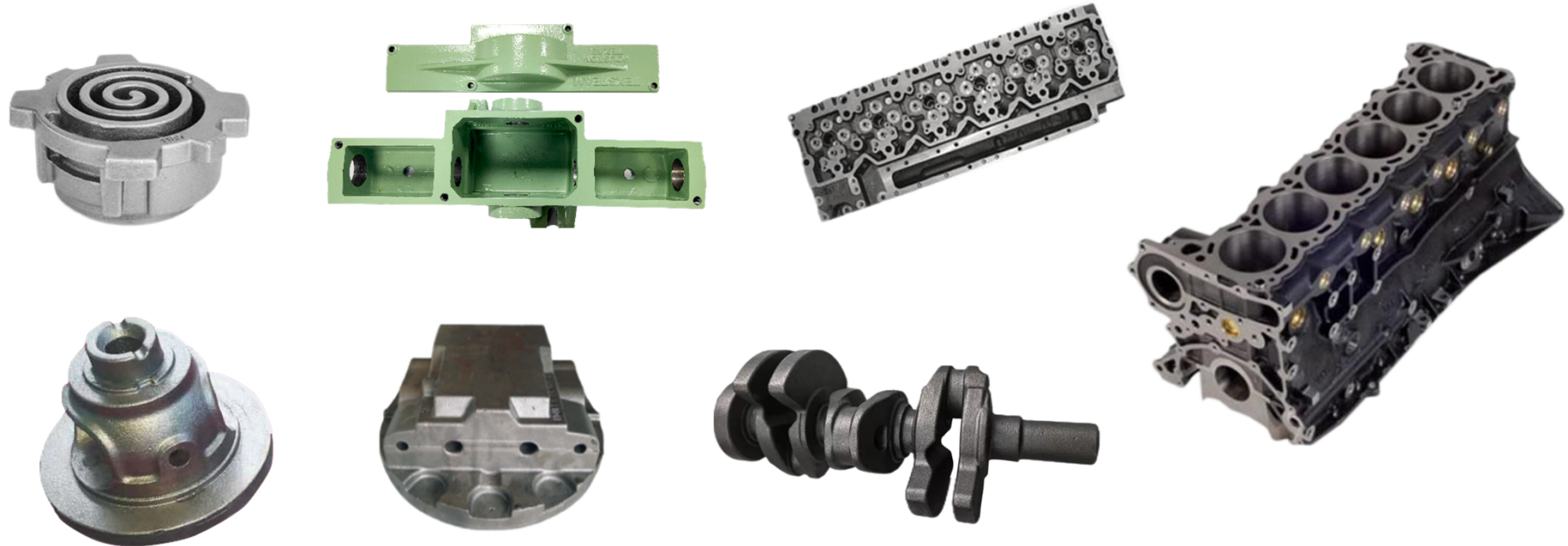
Disa, Sinto, Sand Coated Iron Mold, Shell Mold, Green Sand, Air Set, Resin Sand, ADI, Coating, Machining.

Typical Part Weight: 1kg-500kg.

Casting Tolerance: CT8 - CT12 Per ISO 8062

Material: Ductile Iron QT450-10, QT600-3, QT800-2, ASTM-A536 65-45-12, 80-60-03, ADI 900-1,200 Mpa, etc.

Gray Iron HT150, HT200, HT250, HT350, EN-GJL-150, EN-GJL-250, EN-GJL-350, etc.



## ***Products – Investment Casting***

Loss Wax Technology, Silica Sol, Water Glass, or Combined Process.

Typical Weight: 3g - 400kg

Casting Tolerance: CT4 – CT6 Per ISO 8062

Material: Carbon Steel, Stainless Steel, Low or High Alloy Steel, Dual-Phase Steel, etc.



## ***Products – Metal Forgings***

Hot Forging, Cold Forging, Machining, Heat Treatment, Assembly, Stamping, etc.

Screw Press 300T-20,000T, Hammer Forging 400T-2,000T, Isothermal precision forging 630T, 2,000T, Ring Rolls:  $\phi 250\text{mm}$ - $\phi 1,600\text{mm}$ .

Typical Forging Size: Steel 500kg (die-forging), 2,000kg(hammer forging), Aluminum 150kg max.

Material: Steel 40Cr, 40CrMo, 42CrMo, 50Mn, 10#, 20#,45#, 55#, 20CrMoTi, 20CrMnH, 38MnVS6, etc.

Aluminum Alloy Series: 6061 6063 7072 7075, etc.

Titanium Alloy Series



# Sourcing in Asia, One-Stop Solution

## ***Products – Gears, Shafts, Worm Gear Sets***

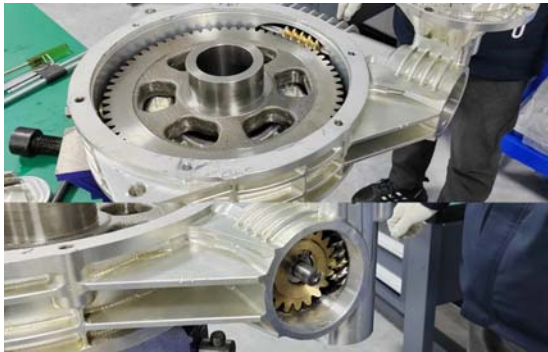
Casted iron, Powder Metallurgy, Forging, Extrusion, Bi-Metal, Hobbing, Shaving, Rolling, Slotting, Grinding with Heat Treatment(normalizing, induction hardening, carburizing, nitriding, etc.) available.

Gears: Typical Module: 0.5-32

Tip Diameter : $\phi$ 1250mm, Face Width:1500mm

Typical Gear Accuracy: JIS 0-4, DIN 3-8, ISO Class 3-8

Shafts: Diameter up to 10m, Length up to 12m



## Products – Metal Injection Molding(MIM)

Metal injection molding (MIM) is a metalworking process in which finely-powdered metal is mixed with binder material to create a "feedstock" that is then shaped and solidified using injection molding.

Dimensional tolerances: CT3 per ISO 8062, +/-0.05mm;

Surface finishing: Ra0.8 - Ra3.2;

Typical Parts weight: 0.1g - 100g;



### Part of The Material

Material	Code	Mechanical Property			Density	Hardness
		Tensile strength (MPa)	Yield strength (MPa)	Elongation (%)		
Low Alloy Steel	MIM-2200 (Sintered)	290	125	40	7.5	45HRB
	MIM-2700 (Sintered)	414	255	26	7.6	69HRB
	MIM-4600 (Sintered)	290	124	40	7.6	45HRB
	MIM-4605 (Sintered)	415	255	15	7.5	48HRB
	MIM-4650 (Sintered)	441	207	15	7.5	62HRB
	MIM-4605 (quenching and tempering)	1655	1480	2	7.5	55HRC
	MIM-4650 (quenching and tempering)	1655	1482	2	7.5	48HRC
	MIM-Fe4Ni (quenching and tempering)	1200	850	1	7.5	40HRC
Stainless Steel	MIM-316L (Sintered)	517	172	50	7.6	67HRB
	MIM-430L (Sintered)	415	240	25	7.5	65HRB
	MIM-17-4PH (Sintered)	896	731	6	7.5	27HRC
	MIM-Ni18Co9Mo5 (Solid solution and aging)	1350	1285	4	7.8	48HRC
	MIM-17-4PH (Solid solution and aging)	1186	1089	6	7.5	45HRC

## *Products – Customized Electromagnetic Brake*



Wind-Power Pitch Brake



Wind-power Yaw Brake



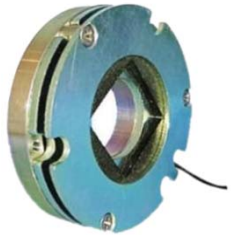
Escalator Brake



Micromotor EM Brake



YEJ Motor Brake



Ultra-thin Brake  
for Robot



Block Type  
Elevator Brake



Low-noise Double  
Elevator Brake



Forklift Brake



EM Brake for  
Slewing Mechanism

## *Products – Customized Power Motor*



Wind Turbine Generator Motor



50Kw Drive Motor



5Kw Drive Motor



28Kw Drive Motor



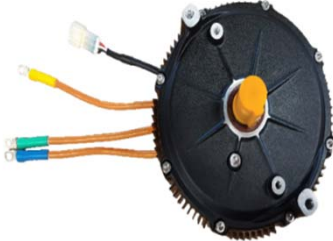
2Kw Drive Motor



9Kw Drive Motor



10Kw Drive Motor



3Kw Drive Motor

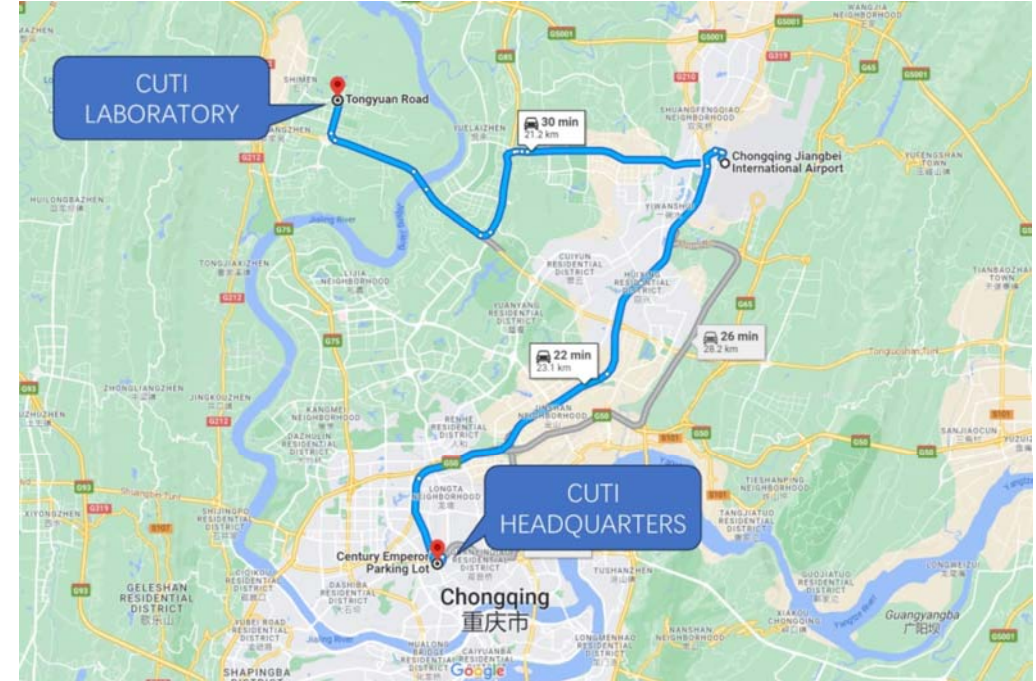
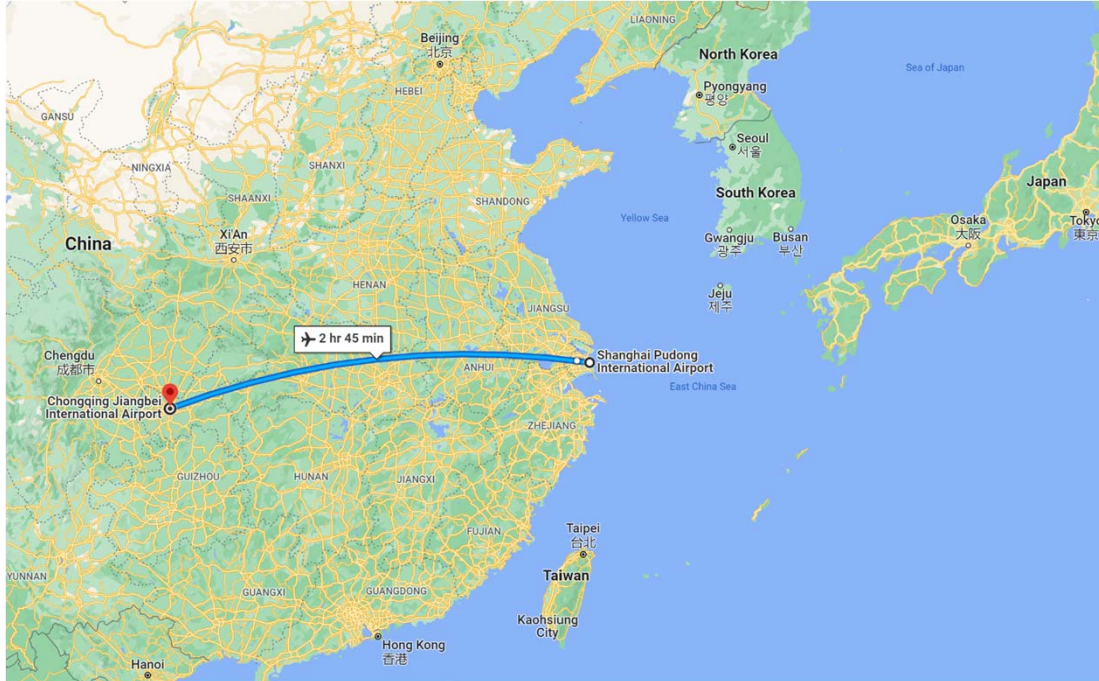


## *Products – Bearings and overrunning clutch*



# Sourcing in Asia, One-Stop Solution

## Contact Us



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