

One-Stop Shop CNC Machining Industry, Customized Solutions For Your Projects
ISO 9001:2015 | As fast as 3 days | Rapid prototyping and Low-volume manufacturing | Global delivery

ECO - RP

Rapid Prototyping



On Demand Precision Mechanical Parts From Prototype To Production



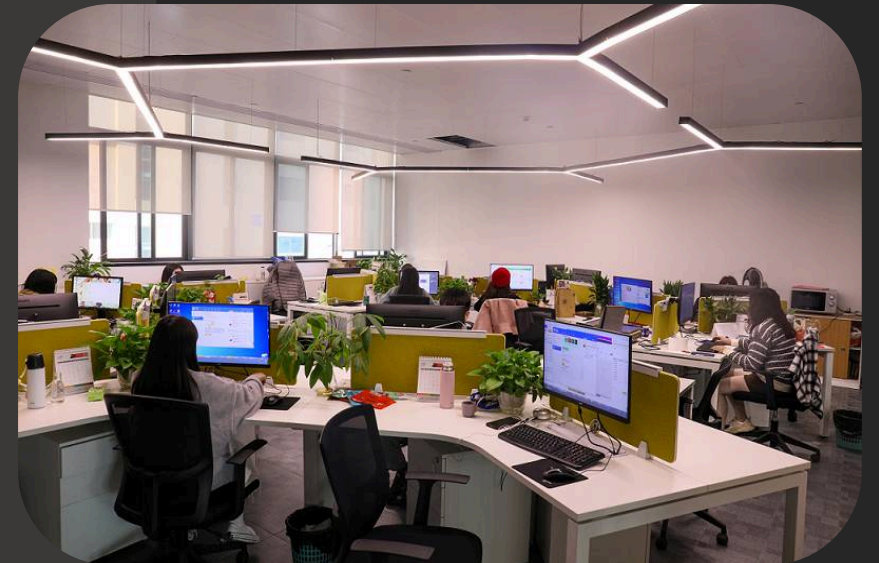
Company Profile

Dear value customers

First of all, Eco Industrial Co., Ltd would like to express respectful greetings! Wish you stable development and prosper!

Eco Industrial Co., Ltd. is established on March 25th, 2012- located at Dongguan city,Guangdong Province, China.

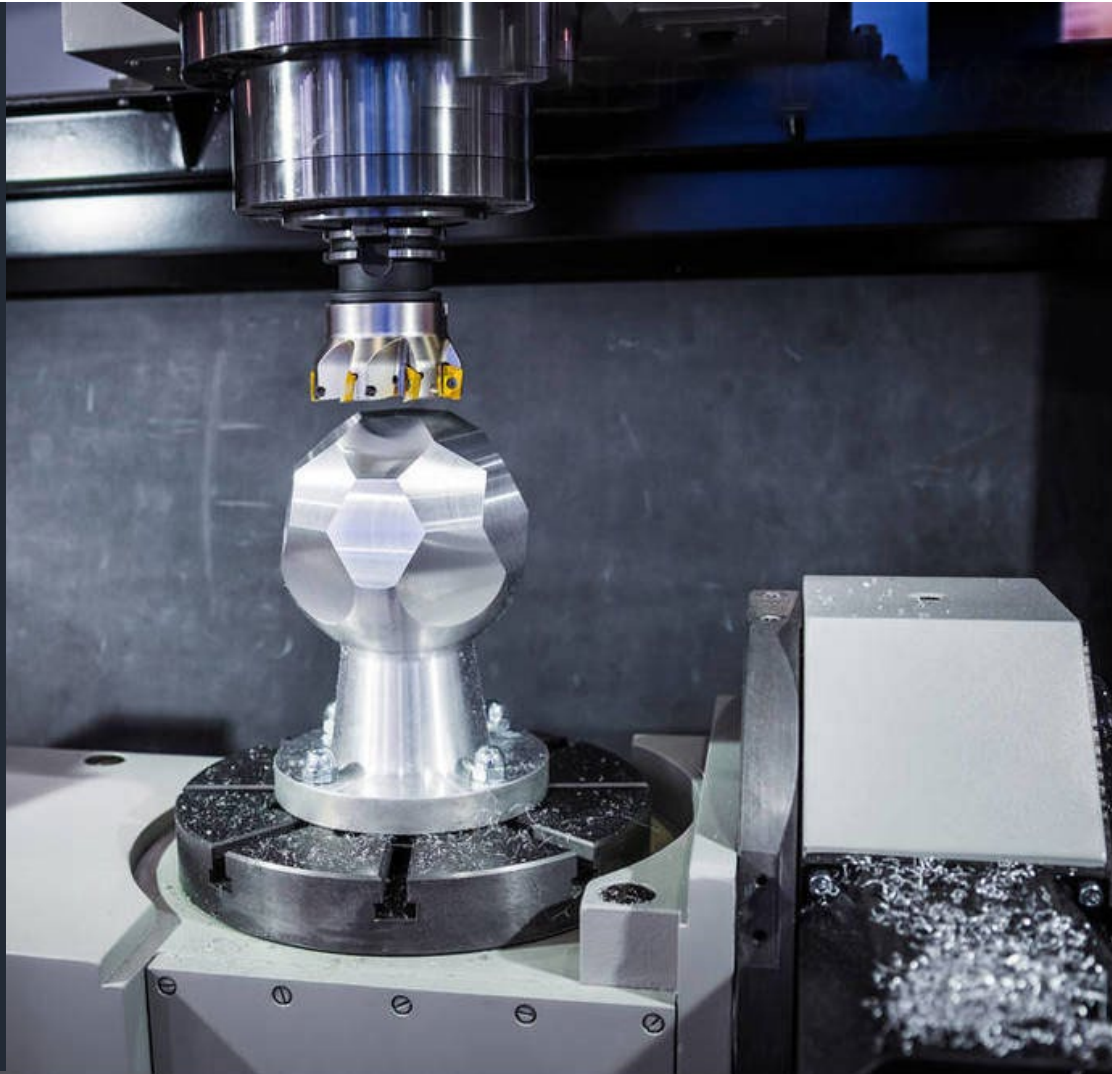
We have over 10 years of experience in supplying precision mechanical metal and plastic parts, and springs for the defense and aerospace, energy equipment, medical device, robotic, automotive, electronic, , vessel, smart home equipment, agriculture machine all over the world.





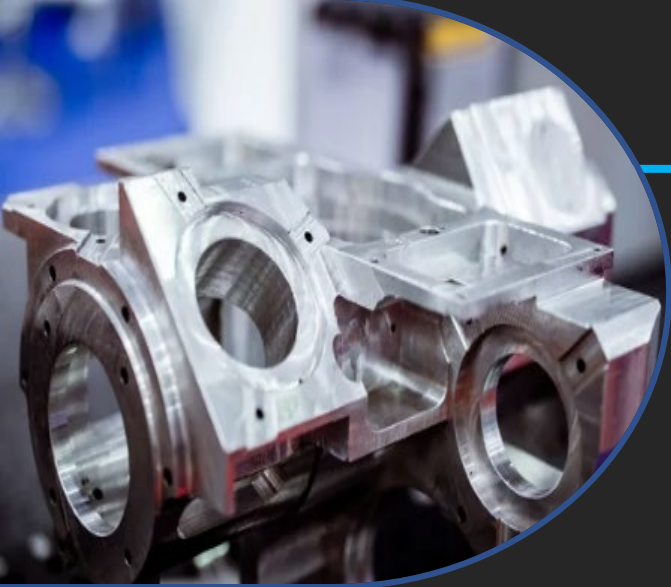
At Eco Rapid, we work with you every step of the way, from quick turn prototyping to low & high volume production and sub-assembly operations.

Why Choose Us



- ◆ Friendly service 200+ customers, pay attention to every details of your needs.
- ◆ Fast instant quote within few hours to 12 hours, we will response you as fast as we can.
- ◆ Perform CNC machining of billet materials. We specialize in CNC machining titanium, stainless steel, steel alloy, aluminum alloy, magnesium and engineered plastics, and many other materials.
- ◆ Provide 3-axis, 4-axis, and 5-axis CNC machining, plastic injection molding, sheet metal, vacuum casting, and other technologies.
- ◆ Efficient, accurate and cost effective process system to deliver superior parts that requiring certifications, CMM reports.
- ◆ Fast turnaround with prototype model making 3-9 days, rapid injection molding 2-5 weeks.
- ◆ Deliver prototype and low-volume production quantities, typically from 1 to 10,000+ parts.
- ◆ A team of professional engineers, machinists and skilled craftsman completely grasp your exact project requirements from prototype to production.
- ◆ Machine parts with tightest tolerance +/-0.001" to +/-0.0002" (+/-0.025mm to +/-0.005mm).
- ◆ One-stop surface finishing, component installation, component assembly and more to meet your most difficult manufacturing challenges.

The history of the development of Eco Rapid Prototyping



2012

Established since 2012

2013

Set up the Foreign Trade Dept. Focus on developing international markets, Overseas sales rose to 75%.

2015

The company has grown rapidly and passed the ISO9001:2015 quality system certification on May 7, 2012.

2016

- The company expanded 2000 square meters of plant. Rated as a brand supplier by Alibaba
- Cooperation with BYD, DJI
- Awarded as "China Quality Service Reputation AAAA Brand Enterprise"

Jointly develop CNC machining precision products for national defense equipment with China Aerospace Corporation
It was rated as a national high-tech enterprise.

- It was rated as a national credit demonstration unit
- It was rated as China Quality Award (key promotion unit)
- It was rated as a contract abiding and credit worthy enterprise in Guangdong Province

It was rated as an independent innovation brand in China's CNC machining industry
The spring technology reform of the company has become a research and development, scientific and technological, innovative enterprise.

Improve the company's internal management system, technical system, quality system, customer system...
Dedicate to create an international brand and bring the best service to our valued customers

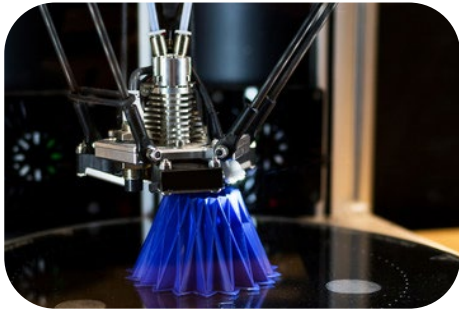
2018

2019

2022

2025

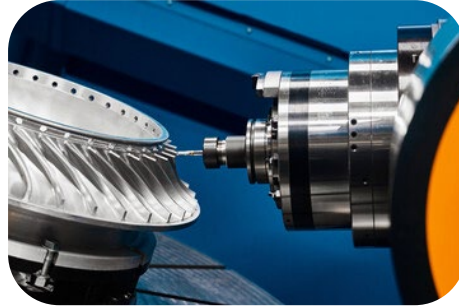




3D Printing

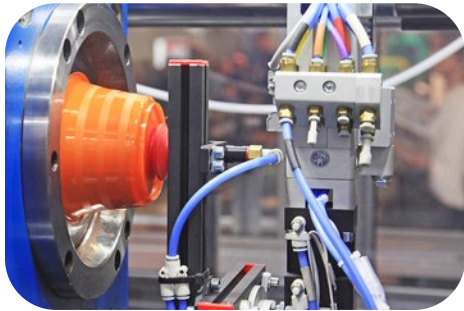
01

CNC Machining



02

Sheet Metal



Vacuum Casting

03



Aluminum Extrusion

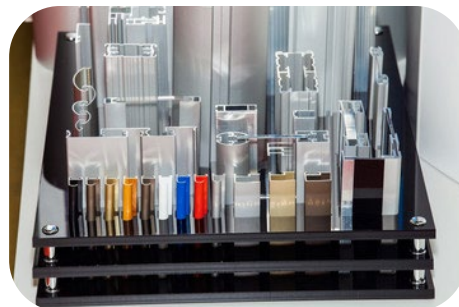
04



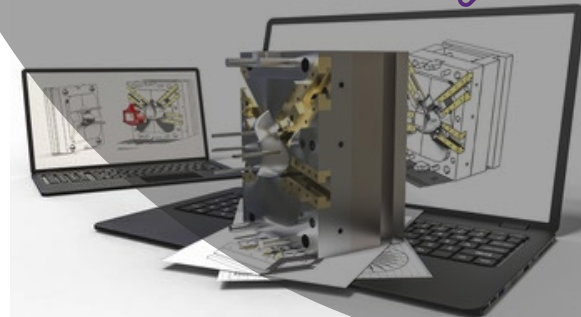
Plastic Injection Molding

05

06



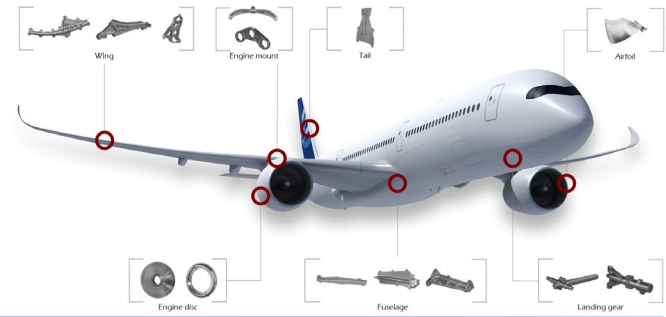
Our Services



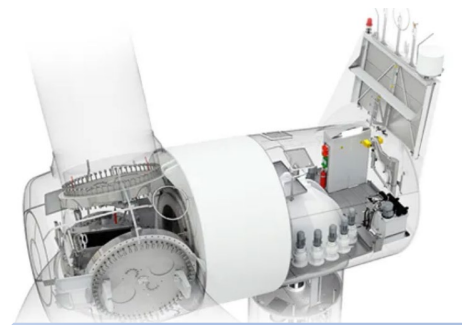


Products Application

Defense, Aerospace, Vessel, Drones



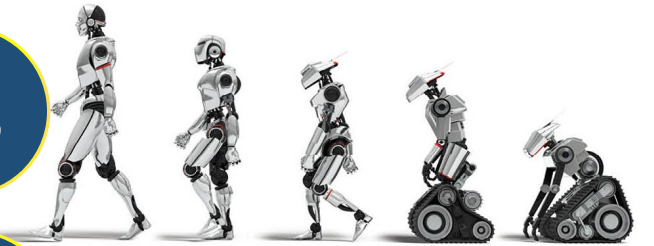
01



02

Oil, Gas, New Energy Industries

03



04

Robotic Industries

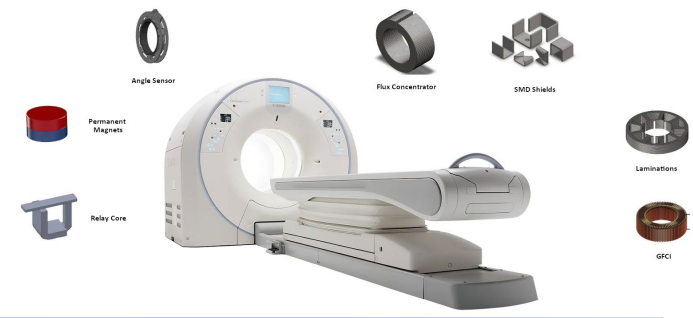
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06

Automotive Industry

Medical Device Industry



Consumer Goods, Electronic, Telecommunication, Smart Home



Application Range

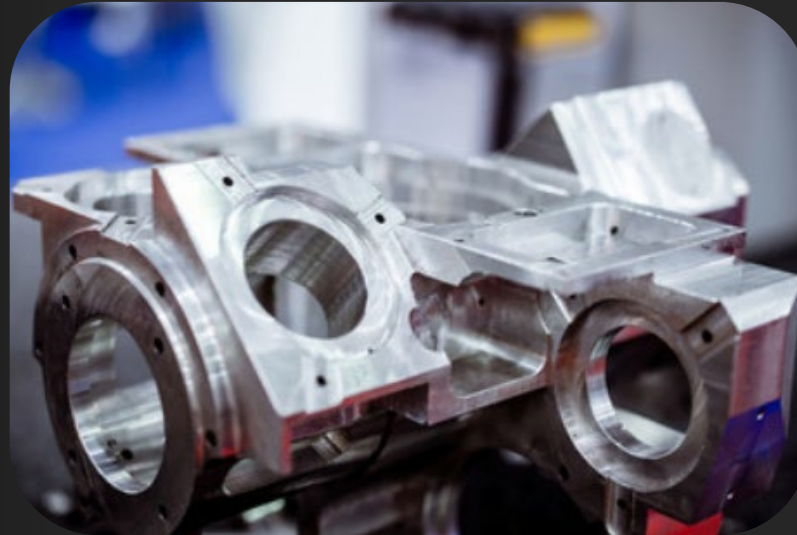
Defense, Aerospace, Medical device, Automotive, Electronic, Robotic, Energy industry, Telecommunication, Consumer goods industry etc.

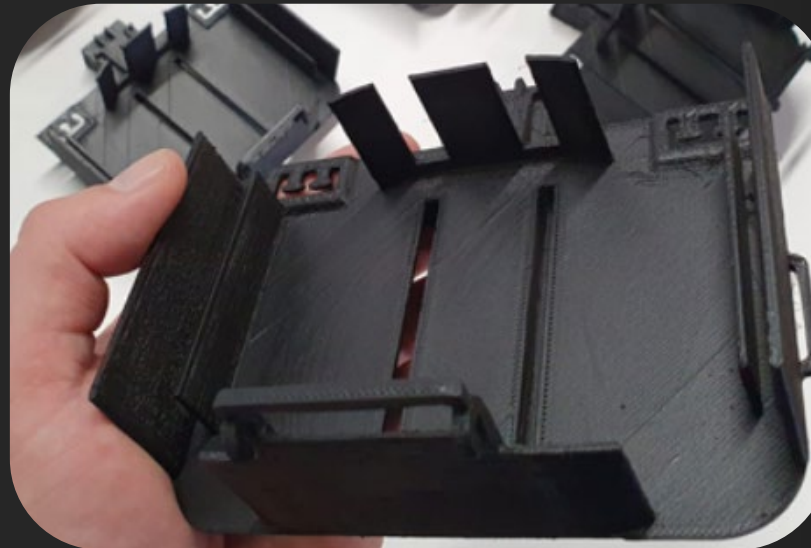
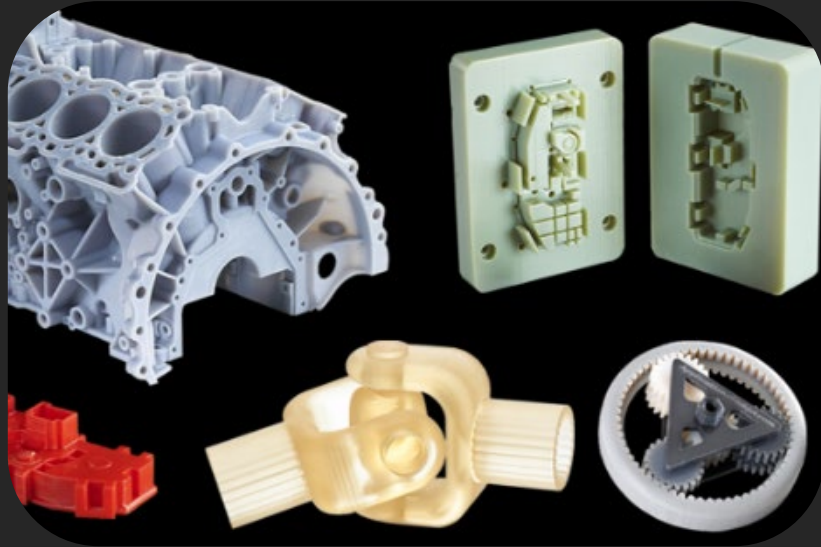
- Machine, Engine, Turbine, Hydraulic, Shafts
- Turbine Components, Construction Equipment
- Forgings, Jewelry, Valves, Pins, Thread Rod
- Fasteners, Spindles, Sockets, Bushings
- Spacers, Fittings and standoffs
- Washers, Bolts, Shafts, Rivets, Spacers, Sleeves
- Nipples, Stainless Steel Fittings, Pipe Fittings, Light Fittings
- Wheel, Cylinders, Hubs, Casings, Flanges, Housings
- Spindles, Rollers, Pump Bodies, Rotary Couplings And Other Cylindrical Parts
- Machine bases and columns
- Fixture plates, Machine tables
- Heavy Equipment components
- Automation and conveyor frames

* 3, 4, 5 axis machines for meet all the kind of parts processing requirement.

* 50+ Metal And Plastics, 10+ Surfaces Finishes

* Tolerances From $\pm 0.005"$ ($\pm 0.125\text{mm}$) to $\pm 0.001"$ ($\pm 0.02\text{mm}$)





Application Range

3D printing encompasses many forms of technologies and materials as 3D printing is being used in almost all industries you could think of. It's important to see it as a cluster of diverse industries with a myriad of different applications.

- Consumer Products (Eyewear, Footwear, Design, Furniture, Jewelry, Tripods, Gift and Novelty Items, Toys Ect.)
- Industrial Products (Manufacturing Tools, Prototypes, Functional End-Use Parts)
- Education, Movie Props, Architectural Scale Models & Maquettes
- Reconstructing Fossils, Replicating Ancient Artefacts
- Dental Products, Prosthetics, Healthcare, Reconstructing
- Evidence In Forensic Pathology, Molded Fiber
- Aerospace, Transportation, Robotic

we utilize the following additive manufacturing technologies (SLA, SLS, DMLS, FDM, PolyJet Technologies)

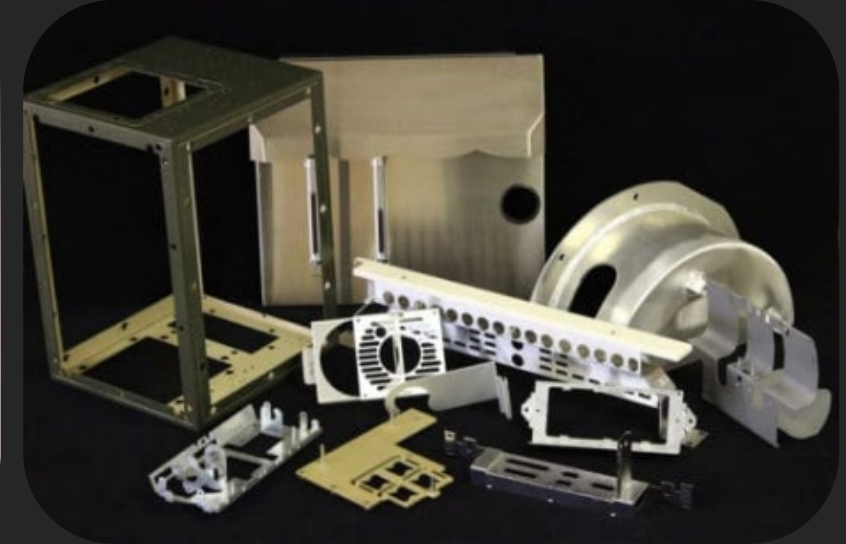
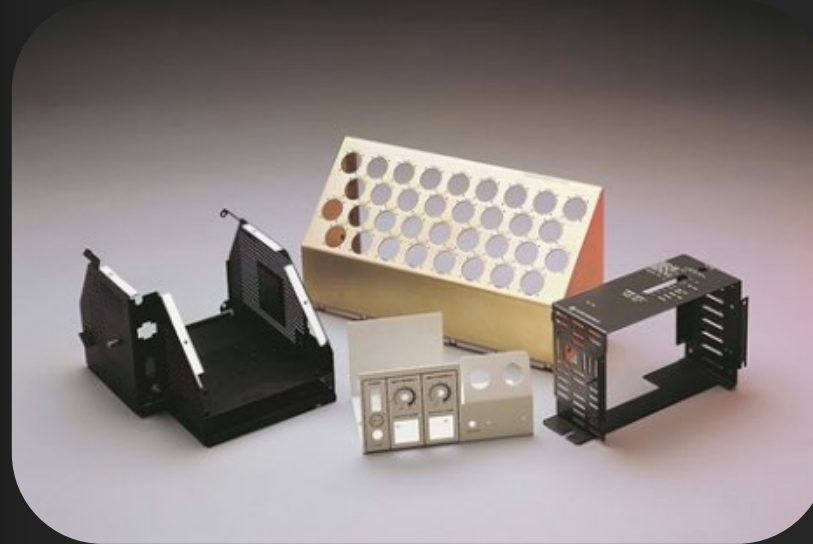
Application Range

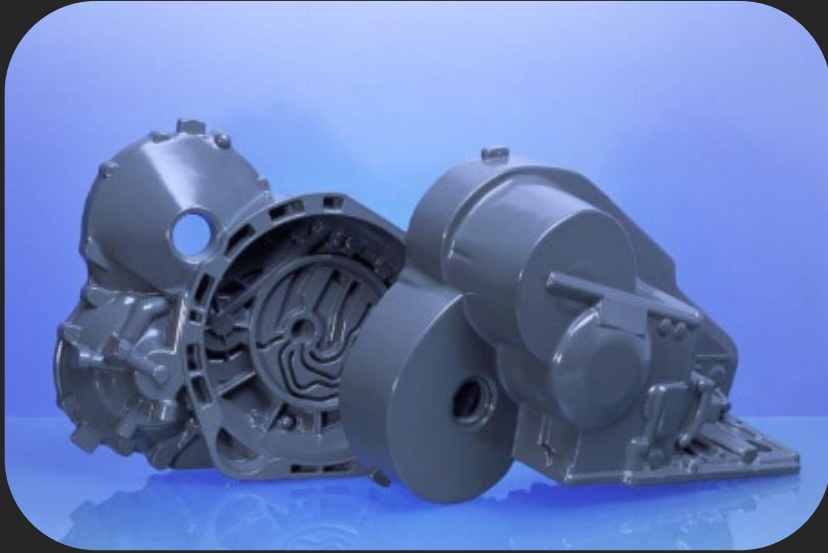
Sheet metal parts are found almost everywhere. Sheet metals are used in many intense industries, including aerospace, automotive, electronics, and farming. Their high strength and versatility make them ideal materials for parts like enclosures, brackets, assemblies, weldments, cabinets, and housings, as well as prototypes. You'll find them in cars, space rockets, planes, trains, air conditioning units, public restrooms, and even in cans of soda.

Types of Sheet Metal

There is a wide selection of alloys and metals which come in sheet form and that are used in manufacturing and fabrication. Below is a list of some of the most commonly used sheet metal materials

Aluminium, Copper, Cold Rolled Steel (CRS), Low Carbon Steel, Stainless Steel, Steel, Spring Steel, Alloy steel, Carbon steel, Tool steel, Galvanized steel.





Application Range :

Bridge To Production, Lower volume manufacturing, Market Testing Engineering Verification, Color & Texture Studies, Produce large parts Injection Molding Adjacent, Without High Costs of Metal Tools

- Aerospace & Defense, Automotive, Home Appliance
- Consumer Products, Industrial, Exhibit Parts
- Medical Devices, Robotics, Transportation

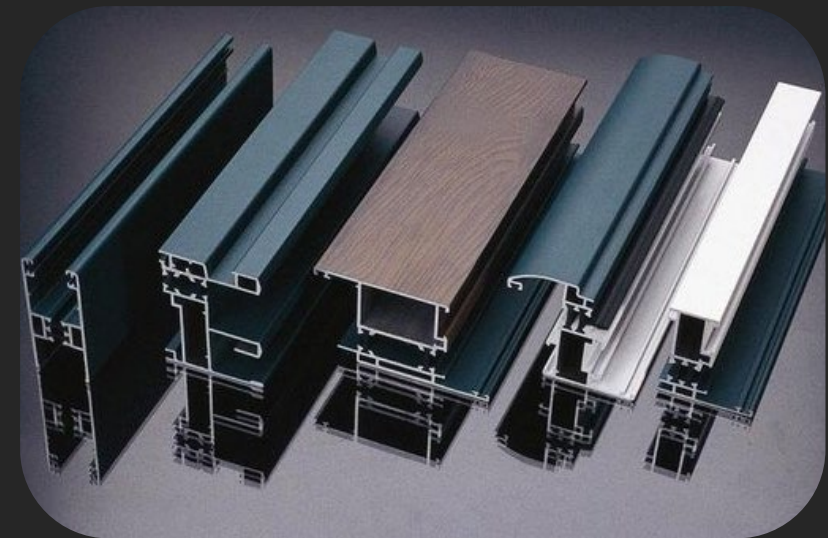
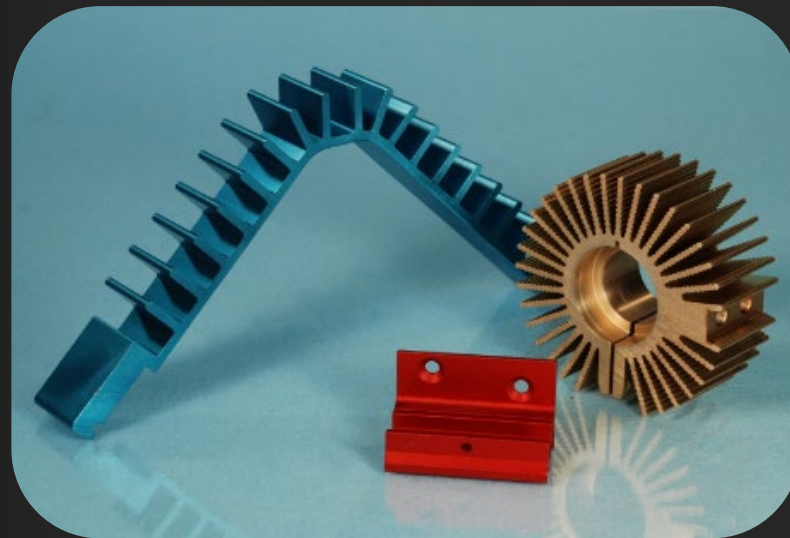
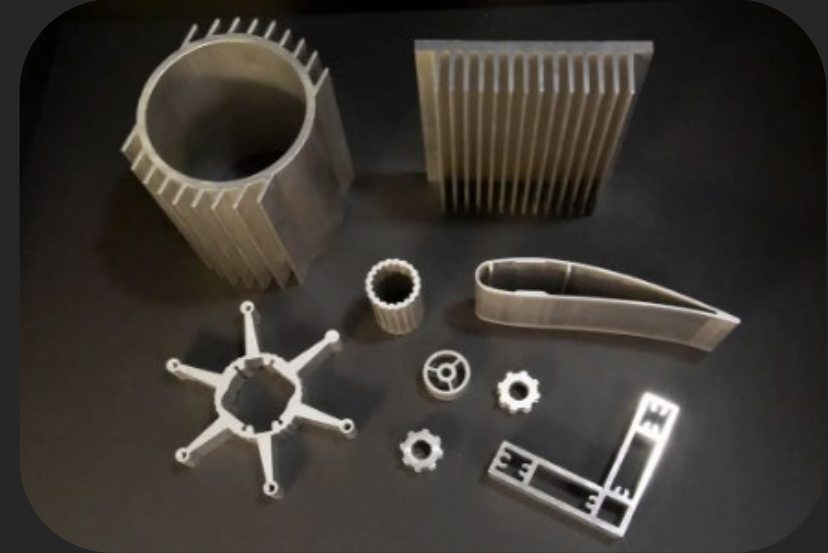
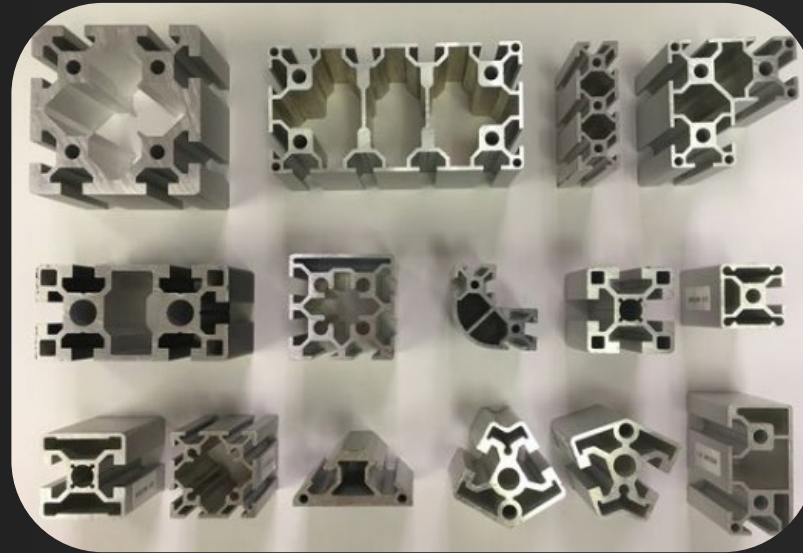
Benefits Of Vacuum Casting

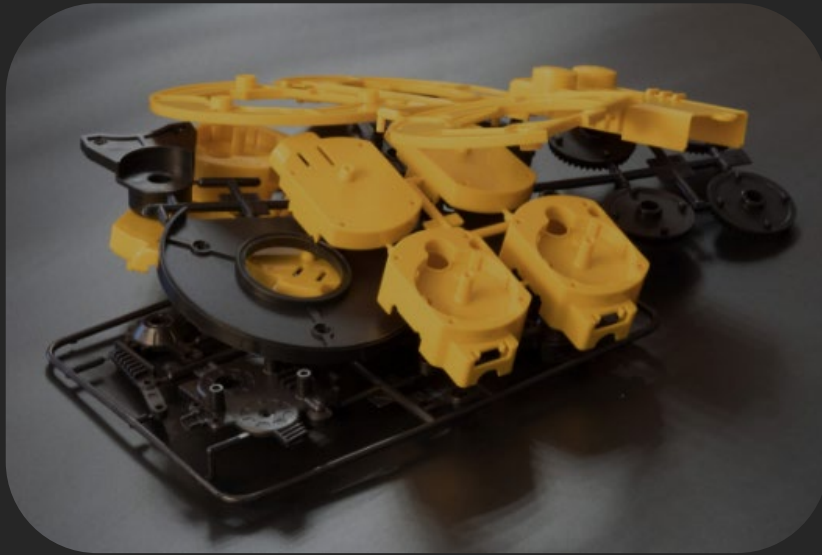
- High Precision And Fine Detail To The Finished Product
- High Quality Of The Product, Repeatability
- Lowers The Production Costs, Superior Surface Finish

Application Range :

Today, aluminum extrusion is used for a wide range of purposes, including components of the international space station. These diverse applications are possible due to the advantageous attributes of aluminum, from its particular blend of strength and ductility to its conductivity, its non-magnetic properties and its ability to be recycled repeatedly without loss of integrity. All of these capabilities make aluminum extrusion a viable and adaptable solution for an growing number of manufacturing needs.

- Aerospace, Electronics, Appliances, Military, Automotive
- Fitness Equipment, Modular Office partitions, Enclosures
- Retail Displays, Furniture, Medical Equipment, Sporting Goods
- Construction, Food Processing, Lighting Fixtures, Office Equipment





Application Range :

Injection moulding is used to create many things such as wire spools, packaging, bottle caps, automotive parts and components, toys, pocket combs, some musical instruments (and parts of them), one-piece chairs and small tables, storage containers, mechanical parts (including gears), and most other plastic products ...

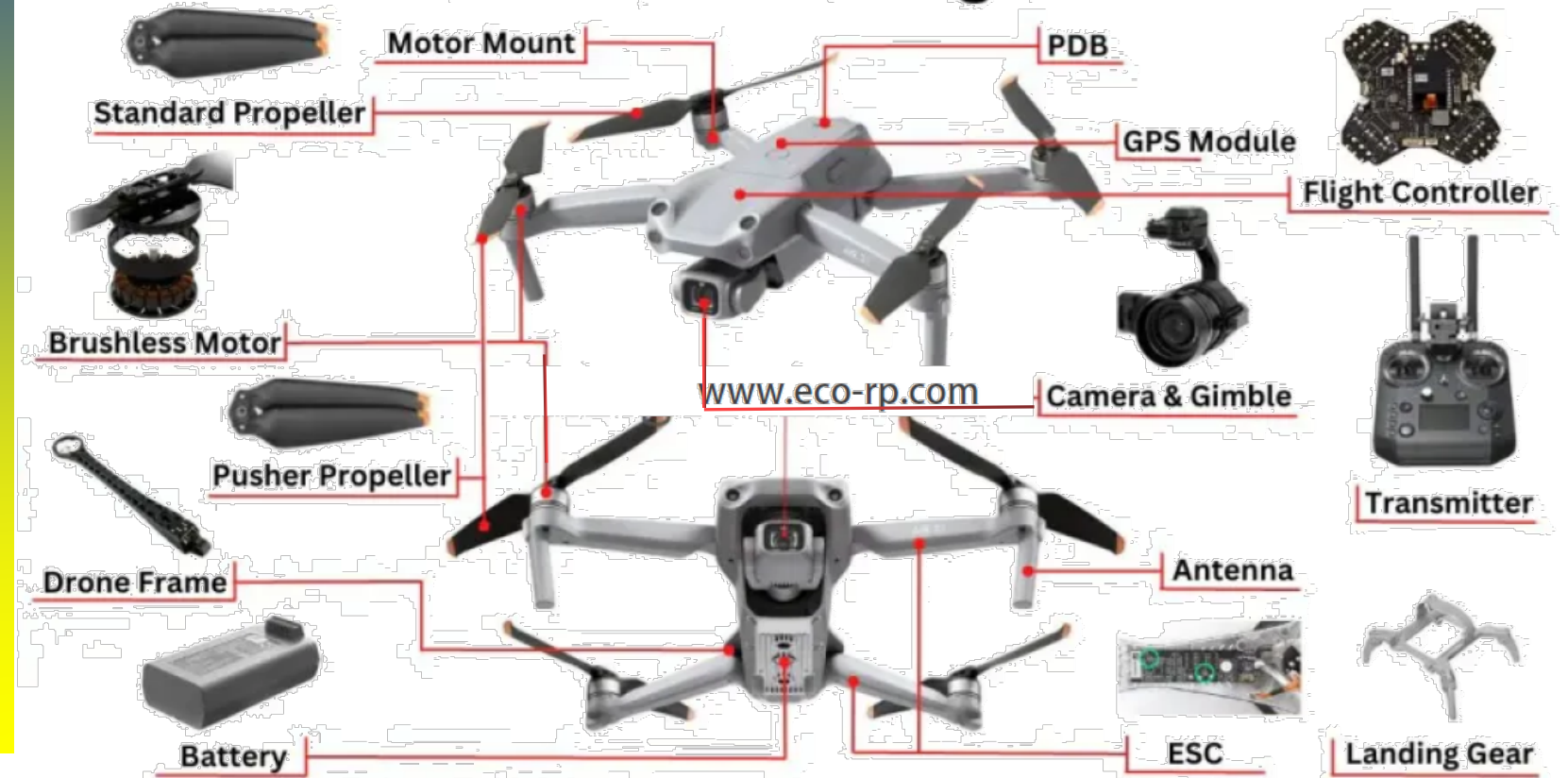
The most common applications found on the Hubs platform are:

- Aerospace
- Automotive
- Electronics
- Medical

Project Case



Parts of a Drone Diagram



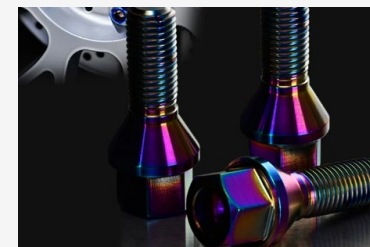
- Manufacturing parts are used for UAV

included: Plastic injection molding shell, fastener, CNC machining parts, 3D printing parts

- The other customized parts as required.

The Material We Use

CNC machining is one of the most popular machining techniques in use in the industry today. There are a number of materials that you can use with your CNC machines, however, there are a few very common materials that make great combinations with CNC machines. In general, the most common materials of use with CNC machines are aluminum, stainless steel, brass, carbon steel, alloy steel, titanium, plastics, etc.



Titanium



Brass



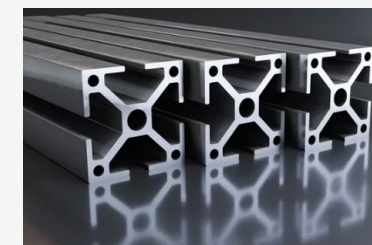
Copper



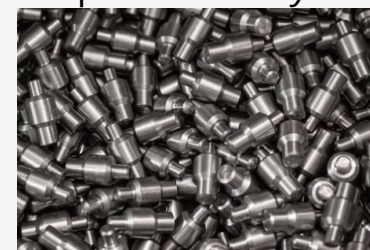
Stainless steel



Special Alloy



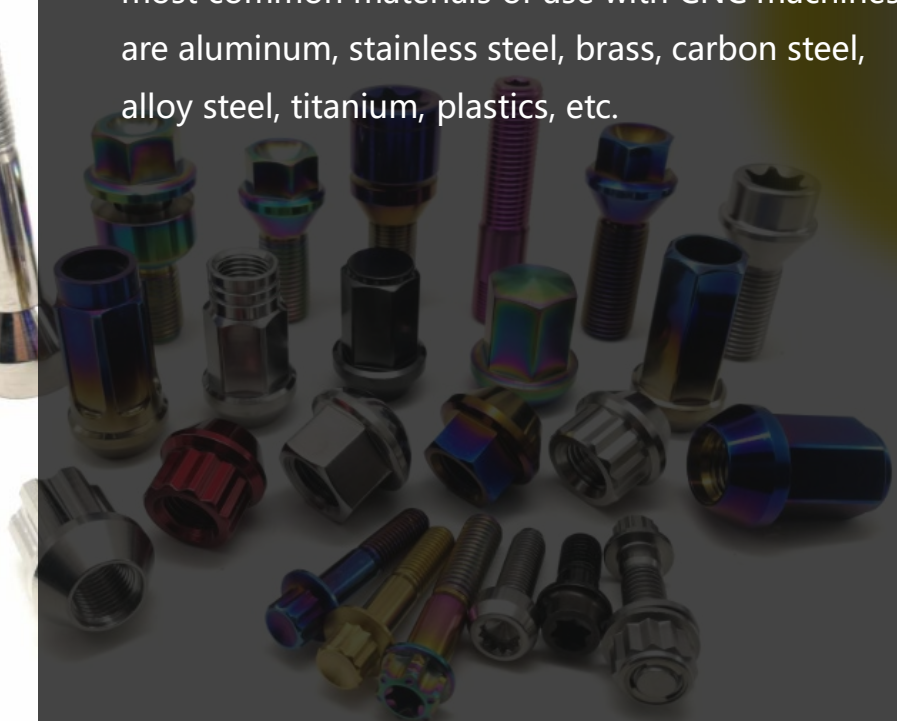
Aluminum



Aluminum



Plastic





3D CMM



Automatic Image Measuring Instrument



Air Tightness Detector



Rockwell Hardometer

Committed To Quality

ISO 9001:2015 Certified Stands Behind The Delivery And Quality Of Your Parts. Material Certification, Full Dimensional Report, Advanced Inspection Equipment

Our quality assurance pervades every aspect of what we do from the quoting phase to final delivery. Our expert quality technicians are trained to operate a wide range of process and quality control equipment, including CMM, Projector, Surface & Hardness Testers and a wide range of Precision Micrometers, Gauge ;

With high-precision industrial manufacturing, a variety of available finishes on solid metal or plastic parts, and our Quality Assurance capabilities ;

Eco Industrial guarantees your custom parts will be built to your specifications



Dynamic Balance Detector



Salt Fog Test Box

Cooperation Process



Requirest a Quote

Please export your 3D CAD files to STEP, IGS format and also attached 2D drawings for detailed requirements, STL files for 3D printing project; STEP is always preferred, even for 3D printing.

Provide Quotation

After get your inquiries, we can offer fast quotation for you within a few hours to 24 hours through our professional quote engineers.

Parts Making

We will provide the best processing manufacturing service according to the type and requirements of your project, strive to achieve the economically, fast and high quality products to you.

Surface Finishes

By offer a full range of high quality surface finishing services for all components and parts such as painting, anodizing, plating, bead blast, chem film, polishing etc. all with the most careful attention to detail.

Full Inspection

We strictly follow ISO quality procedures standard to ensure all the parts and assemblies we manufacture are produced to the appropriate standard.

On-time Delivery

We usually complete the orders within standard time. For some urgent parts, we will priority to arrange production ASAP. DHL international express can help our global customers to receive the products within 2-3 days at the soonest.



Cooperated Customer

For a long time we are committed to the partnership with well-known brands, in order to subvert the increasingly fierce market competition environment, we have been constantly optimizing the supply chain, optimize the internal manufacturing costs, and achieve a win-win situation with customers.

With strong corporate strength and extremely advantageous services, the company has become Microsoft, Apple, Samsung, HP, Panasonic, Gree, Philips, Toshiba, Xinwang Da, Ningde times, and other well-known brand cooperation suppliers.



THANKS

For Watching

ECO – Rapid Prototyping

Nina - Sales Manager

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