

Full-line Product Development Services

One-stop for your prototyping and low-volume manufacturing needs



Full-service Solutions In China



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Longi Prototype
Full-service Solutions in China

Longi Prototype Co., Ltd

COMPANY
PROFILE

COMPANY PROFILE

Longi prototype Co.,Ltd is a professional manufacturer with vast experience in prototyping (Plastic & Metal), tooling and production in China with 4 factories (CNC machining/Sheet Meatal/ 3D Printing/ Tooling) located in Shajin, Bao'an where close to Shenzhen airport. It also within the Logistics Centre which could help us to deliver goods to customers around the world swiftly everyday.

At Longi prototype, our focus is on providing you with the finest services in rapid prototyping, rapid tooling and low-volume manufacturing. Our professtional team of engineers and technicians are dedicated to making your custom parts using the most advanced equipment and techniques including 3D metal printing, multi-axis CNC machining and plastic injection molding. We' re here to turn your ideas into reality quickly, accurately and at a great price.

Factory Workshop



Office



> CNC Machining Center

Quantity Of Equipment	70 PC
Maximum Size	2800mmx 1200mmx 550mm
Processing Material Plastic	ABS,PMMA,POM,PC,PP,PBT,PE,PA+GF,ABS+GF,PC+GF etc.
Processing Material Hardware	AL,Brass,Copper,Steel,Iron,Zinc Alloy,Magnesium alloy etc.
Other Special Materials	Carbon Fiber,Foam,Wood etc.



▲ Large CNC workshop



▲ CNC Workshop



▲ Taiwan CNC machines



▲ CNC Workshop



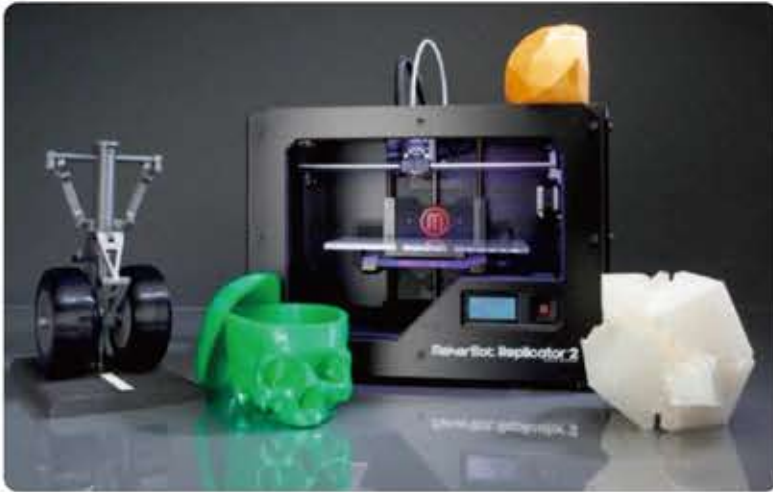
▲ Fanuc CNC machines center



▲ Fanuc CNC machines



► 3D Printer



► 3D Printing(SLA/SLS)

Advantages Of 3D Printing

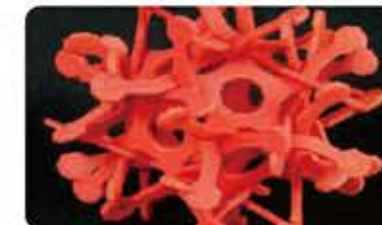
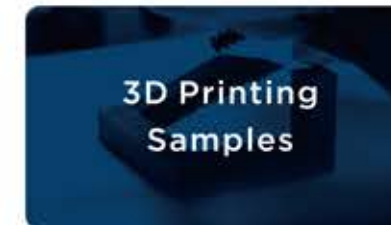
High precision molding(± 0.05) can be molded with high precision tasks complex parts

The surface finish is good and can be polished and printed.

Forming speed, greatly shorten the R & D and production cycle.

Available Materials: ABS, PMMA, PA, Somos 14120, others on request.

Our company now has 25pc 3D printers, the maximum size is 600x600x400mm, we can meet your requirements for delivery, quality and cost.



► Vacuum Casting

The perfect solution for one offs in silicone or rubber, parts with complex geometries and low volume production runs or multiple prototypes, vacuum or urethane (RTV) casting has become the industry standard. Longi Prototype has been working with vacuum casting technology since our opening day and offer high quality cast urethane parts which look, feel and act like production parts in rapid times.. At Longi Prototype, we believe in taking complex, intricate projects and making them a reality.



Technical Parameters Of Vacuum Casting	
Materials	Massive range of PU resins to choose from, POM, ABS, PP, PC,heat-resistant ABS etc.
Applicable Mold	Silicone mold (life 10-20 pieces)
Casting Material	Two-component polyurethane PU.
Physical Properties:	Similar to ABS, PP, nylon, PMMA ,PC transparent parts, soft rubber pieces, heat-resistant(150)etc.
General Working hours	±0. 20mm / 100mm
Standard Copy Accuracy	1-4 hours / piece
Pouring Sample Thickness	Min 0.5mm, preferably 1.5mm-5mm



► Reaction Injection Molding (RIM)

RIM is a new process way for producing large size and huge quantity products rapidly.Henry Prototype's injection molding service is utilized by some of the largest companies in the medical, consumer electronics, automotive, aerospace, and defense industries for manufacturing quality plastic parts. In addition to plastic injection molding,we also offers die casting service for manufacturing high quality metal parts. Secondary operations include machining, silk screen and pad printing, painting, powder coating, and ultrasonic welding.

At Longi Prototype, we believe in providing high quality injection molding solutions to meet all of your low, medium, and high volume manufacturing demands.All batches are fully inspected by our QC department allowing you great peace of mind.



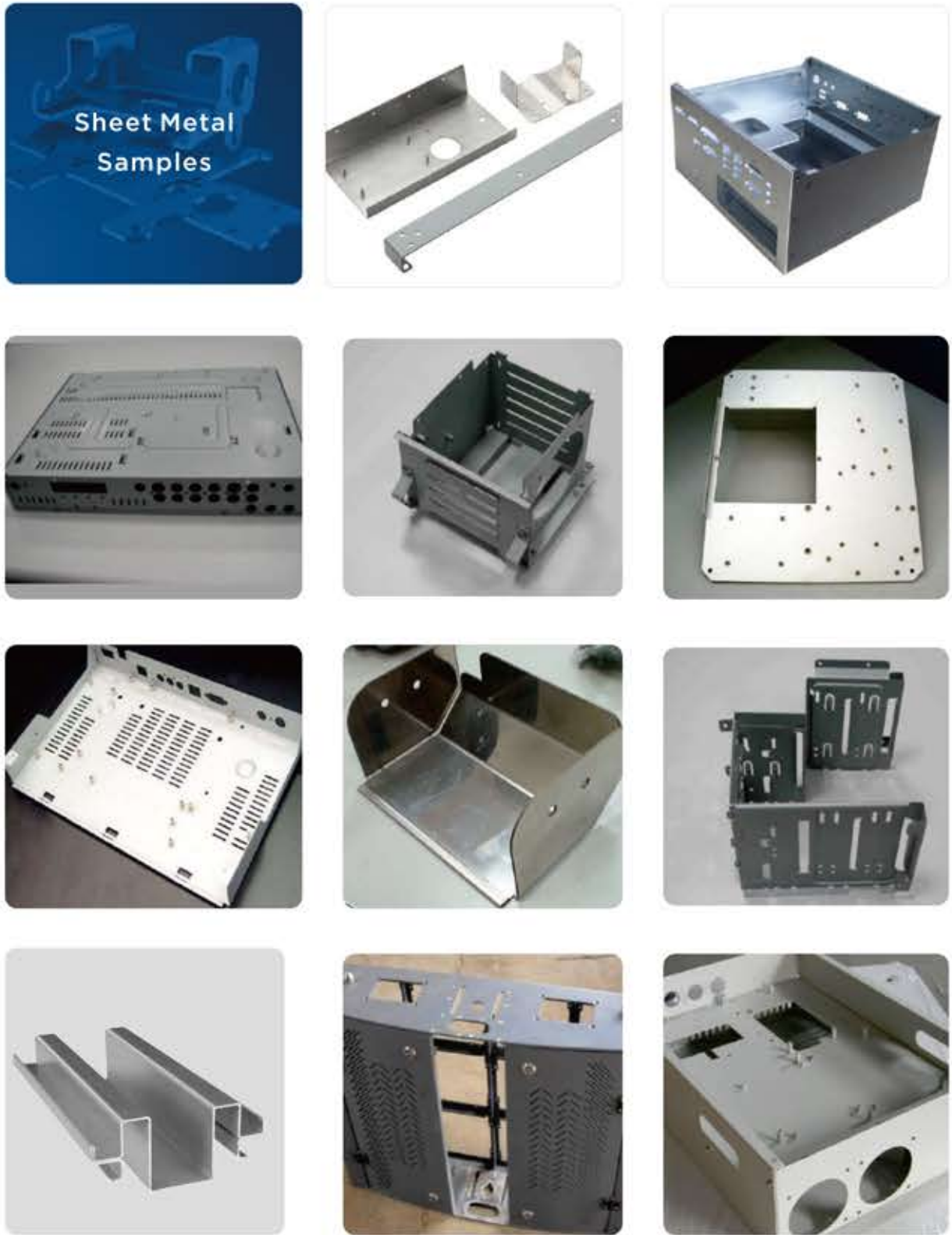


► Sheet Metal Rapid Prototyping

Able produce high quality sheet metal prototypes and mass production. Our sheet metal rapid prototyping and rapid production services include a variety of tooled and manual manufacturing techniques and processes enabling us to realise some highly complex parts without expensive and time consuming production tooling. We offer a variety of capabilities involving sheet metal such as Intricate metal forming, Shearing, CNC bending, CNC Punching, CNC Laser Cutting, Wire EDM and Welding. Common operations for sheet metal parts include drilling, tapping, counter boring and countersinking and surface finishing including plating, polishing and sanding brushing. Our team of highly experienced craftsmen have been manipulating sheet metal for years and come from a wide range of backgrounds.

Materials:

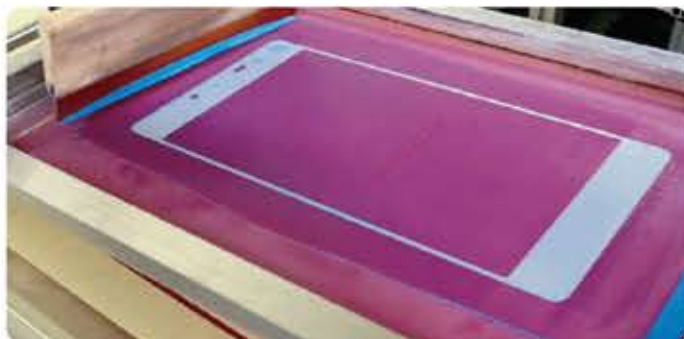
AL, SPTE, SGCC, SECC, SPCC, SPHC, CU, Stainless Steel, Cold Rolled Steel (CRS), Hot Rolled Steel (HRS), Copper, Brass, Silver, Zinc etc.



► Finishing Services

Our engineers are experts in achieving the perfect finish for your product. With painting, vapor polishing, sanding, anodizing and many other services to choose from, you can create the exact look you want.

Anodizing, Painting, Pad Printing, Color Matching, Sanding and Polishing, Vapor Polishing, Blasting, Laser Etching, Electroplating etc.



► Quality Control

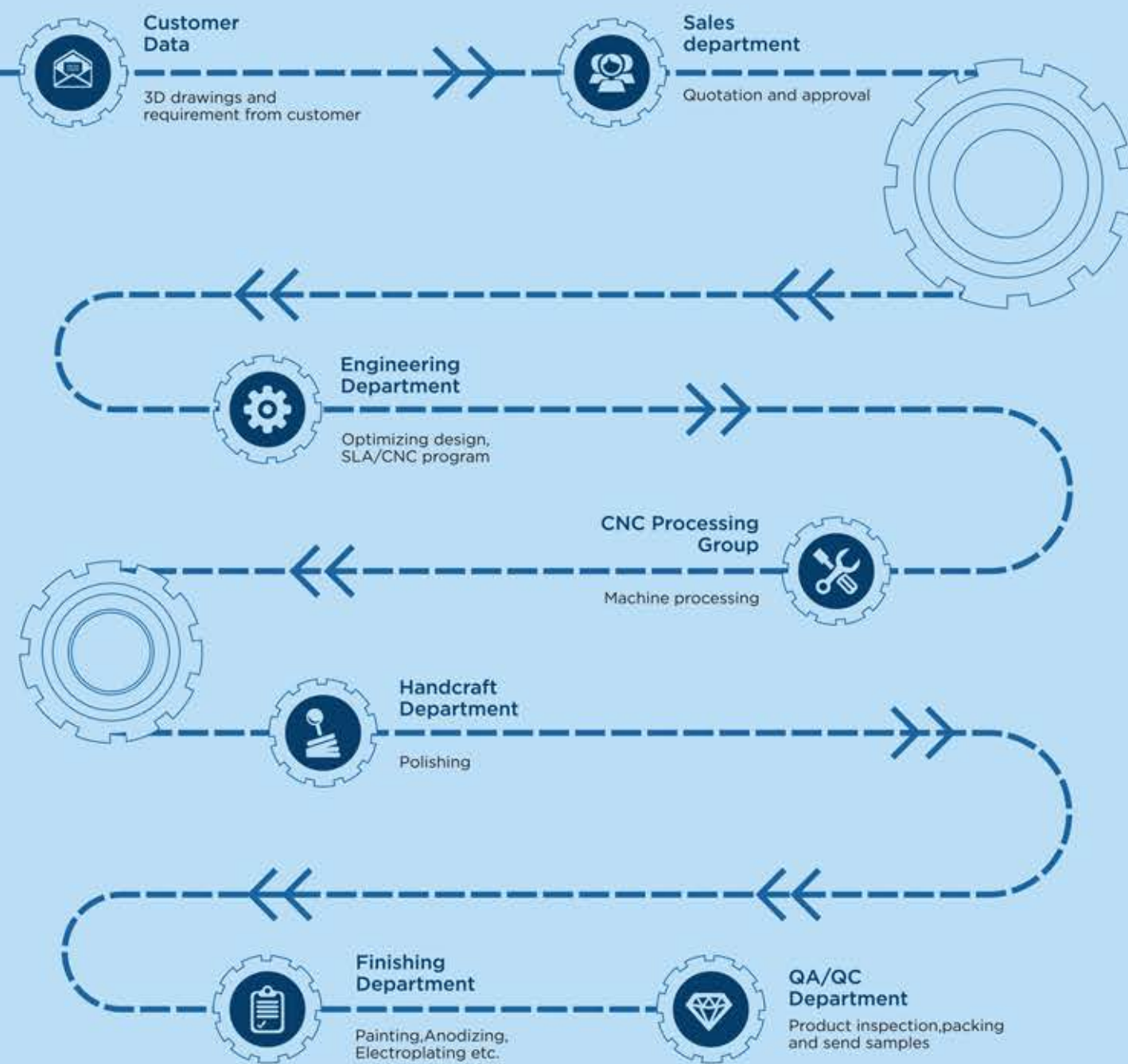
Quality control is a key component to our success at Prototype and Low-volume manufacturing. Able has our quality control team work with our advanced inspection equipment, such as coordinate measuring machine, projector, various tester and handheld tools to ensure the parts within the customer's request according to the process used to produce it. We also have full checking measurement system for low volume production to guarantee our product meet customer's standard.



► Security Measures



► Technological Process



LONGI PROTOTYPE CO.,LTD

Service Range

Medical, Consumer Electronics, Automotive, Aerospace, and Defense etc.

Our Customers

Skyworth
创维

ZTE中兴

SONY
make.believe

Haier
海尔

dji
大疆创新

Brother
兄弟科技
BROTHER TECHNOLOGY

中国中车
CRRC

BYD
Build Your Dreams