Company Culture

At SuNPe, we believe "Services Create Value". We have company training & activities for different teams and departments to share experiences together. Continue to improve our professional level, attitude and the quality of services.

Address: No.70 Tongxing Xi Rd, Dongsheng Town, Zhongshan City, Guangdong, 528414, P.R.C.

Your Professional & Reliable Supplier
One-stop Services from Prototyping to Low-volume Production

Email: sales@sunpe.com Tel: +86(0)760-2282 5560
SuNPe, established in 2005, has grown up from a small machining workshop with only several staff and a few machines to now one of the largest prototyping & manufacturing companies with three factories in China.

We have more than 400 skilled staffs, more than 150 sets CNC machine, 5 sets vacuum casting machine, 10 sets EDM(Electrical Discharge Machine), 12 sets injection machine, 2 die casting machines, and 50 sets other assorted processing machine, which can satisfy global customers’ increasingly huge demands and SuNPe’s sustainable development.

Our aim is to provide high quality, low cost and high efficiency prototypes and products to our customers. We have long-term cooperative international express, like UPS, FedEx and DHL, to ensure the short delivery time and that has won vigorously support and trust from global clients.

Our strategy is to be the most professional and reliable partner, hand in hand developing and growing with our customers, and to establish long-term friendly relations of cooperation. We believe communication is the key to open a new business page, customer’s feedbacks and suggestions are precious resources to promote our company’s further development.
CNC is the most advantage service at SuNPe, it can machine from varieties of block material. SuNPe provides CNC prototyping and CNC machining low volume production service, mainly covers in the area of Automotive, Home Appliance, Medical, Scientific Products, and so on.

**SuNPe has more than 150 sets of CNC Machines**
including 3-axis, 4-axis and 5-axis CNC machines.
Max dimension
2000mm*1300mm*600mm

**Common materials in stock**
Plastic: Buff ABS, Black ABS, 94V0 flame retarding ABS, ABS+30%PC, Black Polycarbonate, Transparent Polycarbonate, Acrylic, NYLON 6, NYLON 66, PA6GF30%, POM, PP, PP+20%GF, PE, TEFLOW, PPS, PEEK, PPO, PPE, PEI, PAI, PES etc.

Metal: Aluminum Alloy, Carbon steel, Stainless steel, M303E (high chrome content steel), Zinc, Brass, Red Copper, Bronze etc.
**3D Printing**

3D printing is a process of making three dimensional solid objects from a digital file. It enables you to produce complex (functional) shapes using less material than traditional manufacturing methods.

3D printing can delivered typically within 3-5 days from the supply of customers' design data.

**Type of 3D Printing in SuNPe**

SLA, SLS and Metal Printing.

**SLA material**

EvoLVe 128 & Lasty UTR6180

**SLS material**

PA2200 & PA3200GF

**Metal printing material**

SS316L, FS AlSi10Mg, 1.2709 (Maraging Steel)

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**Vacuum Casting**

Vacuum casting is a widely used process in prototyping, typically used for building functional prototypes out of a broad range of polyurethanes and other polymers.

We can accurately reproduce the prototypes with original color, over-mold, texture and geometries from the master model and components. One silicone mold can cast about 15 to 20 pieces of parts, depends on complexity, painting or original color, size and other factors in different parts.

**SuNPe has 5 sets Vacuum Casting Machines**

Max weight: 7kg

Max dimension: 2000mm * 1200mm * 1000mm

**Materials**

Transparent PU, Soft plastic PU, ABS PU, PP/PE PU, Polycarbonate PU,

We purchase PU material from Hei-Cast, Axson and BJB companies.

Please email sales@sunpe.com to get free material card.
Rapid Tooling and Injection Molding

At SuNPe, we provide service for series/mass production, and have the ability to export mold tooling. As long as you provide us the requirement details when inquiry, we will consider the best way for your projects.

We will use the soft tool by P20, S136H or NAK80 steel, will share the mold base or build the family tool and will consider hand loading insertion or post-machining to simplify the complex tooling structure. In this way, we can save cost for our customers, and can delivery the parts in 7 to 15 days.

At SuNPe, we provide the rapid tooling to support your injection prototype or low volume production needs.

Pressure Die Casting

SuNPe offers the complete service for pressure die casting. Making the mold tool, die casting and post machining in house. We support the different surface finishing for the die casting parts, including sandblasting, polishing, painting, powder coating, E-coating, pad printing, silk screening, anodizing, machine finishing ... We can suggest you on the best choices for your design.

Available Materials

- Aluminum die casting: ADC12, A380 and A356-T6
- Zinc die casting: Zinc #3, Zinc #4, Zinc #5
- Magnesium die casting: AZ91D
Silicone Rubber Parts

SuNPe provides the service for silicone and rubber parts, making from the rapid tooling, delivery your parts in 5 to 12 days. Usually make the products such as key pads, silicone buttons, rubber seals, gasket and so on.

Compare to the soft PU casting, it can use the real material, and better for the functional testing.

Sheet Metal

SuNPe provides the service for sheet metal prototype and low volume production, can support projects from simple bent sheet metal prototypes to complex mechanical assemblies. At SuNPe, we support different processes to help build your part rapidly. Stamping, punching, and laser cutting are commonly used in sheet metal parts to produce what you need at a low cost without compromising quality.

We support the different surface finishing on the sheet metal parts. Like powder coating, painting, food safe PTFE coated, plating, anodizing, E-coating, sandblasting, polishing and passivation.

Extrusion

SuNPe provides the service for extrusion prototype and low volume production.

Depending on your sections tolerance requirements, we can proceed post machine, like punching, drilling and slotting services, which can also better control the tolerance to meet your requirements.

To provide end to end services for customers, SuNPe provides surface finishes like anodizing, and powder coating, etc, saving you double-handing and freight costs in the whole process.
SuNPe offers different excellent surface finish services, for example, Polishing, Brushing, Priming, Painting, Sandblasting, E-Coating, Plating, Anodizing, Powder Coating, Logo Printing etc.

To support customers' needs of products development, we provide low volume production services. No matter you need dozens of parts in few weeks, or hundreds to thousands of parts per month/year, our low volume production service is here for you. According to different design, quantities, materials requests, we can offer different solutions for your low-volume production option, for example, CNC Machining, Rapid Tooling and Injection Molding, Vacuum Casting, Sheet Metal, and Extrusion services, etc. To deliver your production directly to the market, we also have surface finishing, function testing, and assembly services.
Case Reference

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Autonomous Life Vitals Evaluation
Electronically Alarm Road Closures
Medical Project
Scientific Project - Soil Probe
Electronics Project - Barcode Verifier

The Torch of the Ashgabat Asian Indoor and Martial Arts Games 2017
The Torch of the Asian Games 2018

Project

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Sign NDA
We sign the NDA with our customers and also for their projects. Each employee must take pre-enter company training to follow our production flow, and keep company information security. NDA will be signed on the on board date. As well as for all our suppliers have to sign the NDA.

Data security refer ISO27001
We use the ISO27001 as the reference. All the data will be securely kept at our own network centre, only the authorized staff can access to the centre and review the data. No photos allowed through our workshop.

Production flow
We use the work order system to control each process step, timeline for each job is very clear for each team. And all the quality or customer requirements will be reflected from the work order.

Quality control

- We are ISO9001 certified
- When quoting, our production engineers will review the data and requirement, and provide the DFM if needed.
- Incoming materials will be inspected and COC (Certificate of Compliance) need to be provided by our supplier.
- During the production, we have the step inspection, if we found something wrong, we will return to the previous step or feedback to our customer to check their design.
- First article inspection, also support to provide the FAI report.
- Before the packing, we have the final inspection, which will check all the quality details by our QC.
- And support to provide the inspection report, as well as the COC.
- We are very concerns the safety packaging, For different sizes and materials products we will adopt different packaging methods to keep product delivery safely. Parts will be marked with labels of item no. and PO no. for customers to recognize easier.

If you found the quality issue when received your parts, please feel free to contact us, we will support to solve at the first thing.