

From Prototyping To Low-volume Production

Vision

Leading the global prototyping and low volume production.

Mission

Create values for customer, create opportunities for staff.

Strategies

Keep to the customer first, market-driven, struggle and long-term hard work.

Quality policy

Focus on customer, market-oriented, keep on improving.

Quality Objectives

First Time Yield ≥96%;
Customer satisfaction rate≥ 98%.



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ABOUT

SuNPe, established in 2005, has grown up from a small machining workshop to become one of China's largest prototyping and manufacturing companies, owns four factories.

We work with a wide range industries of automotive parts, medical devices, consumer products, industrial equipment and so on. Enable SuNPe to satisfy the growing demands of global customers and support sustainable development.

Our aim is to provide high-quality, low-cost, and efficiency prototypes and products to our customers. We have long-term partnerships with international express companies like UPS, FedEx, and DHL, ensuring quick delivery and earning trust from global clients.

Our strategy is to be the most professional and reliable partner, working closely with our customers to establish long-term cooperative relationships. We value customer's feedback and suggestions as valuable resources for our company's further development.

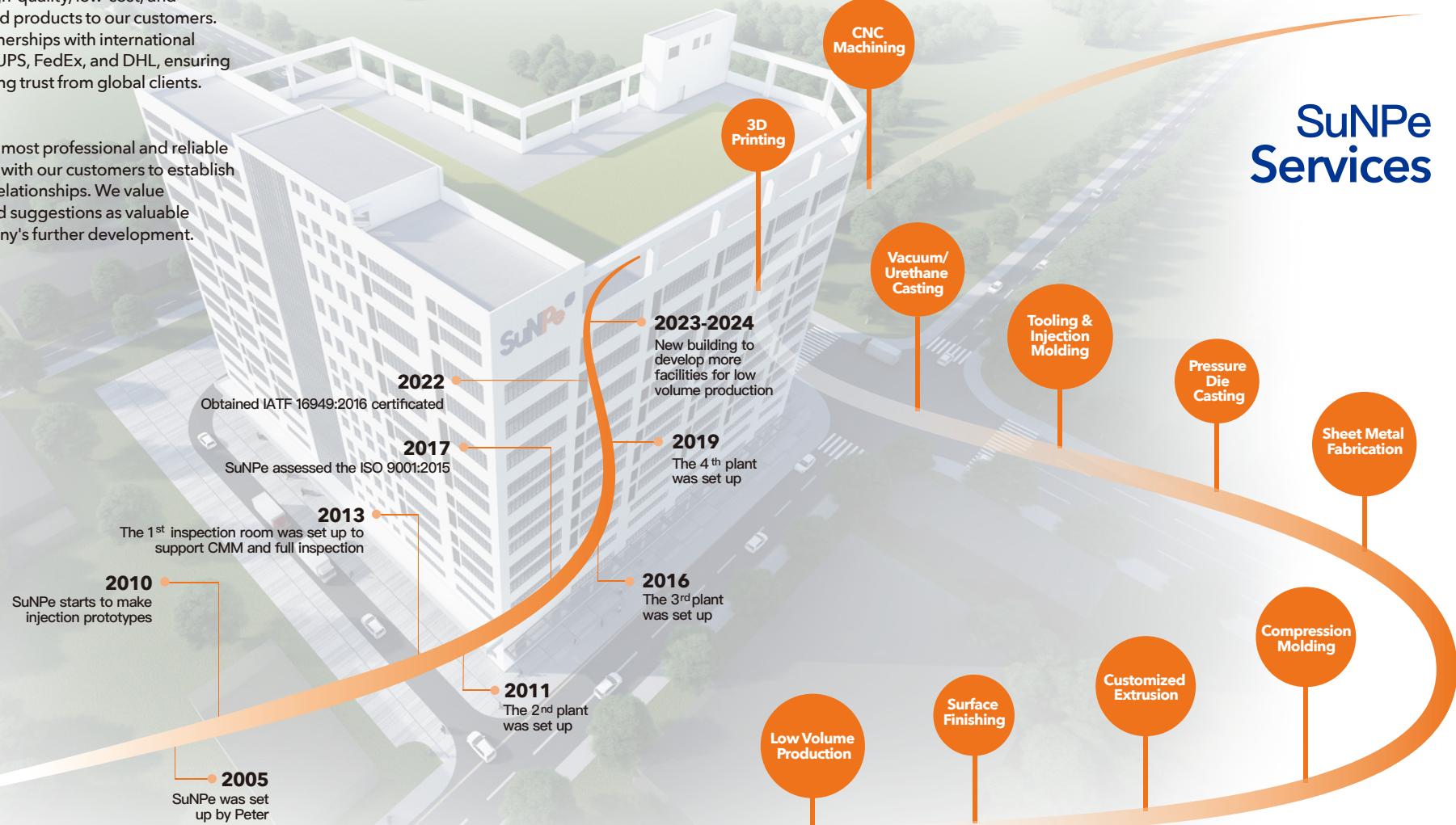
19+ Years
Industry experience

600+ Staffs
24-7 Operation mode

500+
Machinery Equipment (350+ CNC machines, 10 Vacuum casting Machines, 12 EDM machines, 40 Injection Machines, 4 die casting machines and 100 other assorted processing machines)



SuNPe Services



Our History



CNC

Milling, Turning & Grinding Services
Prototyping & Production

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 areas of Automotive, Medical Device, Consumer Products, Industrial Products and so on.



Automotive Part



Auto Equipment Part



Consumer Product



Machinery Part



Sonar Interface Unit Aluminum Shell



Art Object Project



Vessel Engine Part



Industrial Part



Industrial Part



Common materials in stock

Metal

Aluminum Alloy: AL: 2024-T6, 6061-T6, 6063-T6, 6082-T6, 7075-T6, ADC12, A380, MIC6

Non-Magnetic SS: 301, 303, 304, 304L, 316, 316L

Magnetic SS: 403, 410, 430F, 17-4PH

Steel: Carbon steel, 1.0503/C45, 1.0038/S235JR, Tool steel, Spring steel, Bearing steel, Steel Alloy, M303E, etc.

Copper Alloy: Copper, Brass, Bronze, OFHC

Others: Zinc, Magnesium alloy, Titanium alloy, Ni-Ti alloy

Plastic

Clear: PC, PMMA, ABS

Flame Retardant: UL94V0(ABS,PC,PA6,PA66,ULTEM-2110)

Food grade: PC, POM, HDPE, PA6..

Others: ABS, Polycarbonate, Acrylic, NYLON6, NYLON66,

POM, PE, TEFLON, PPS, PEEK, PPO, PPE, PEL, PAI, PES, G10, PA6GF30%, PP, PP+20%GF, PPS+30%GF, ABS+30% PC etc.

3D Printing

SuNPe provides different types of 3D printing for plastic and metal materials. One stop services, such as post machining and surface finishing, will be provided to support the projects.

One stop shop 3D printing services at SuNPe



SLA Printed

SLA Material

UTR(6180,8360X,9000EM,8100), SOMOS(14120,11122,10122), TAURUs etc.



SLA+Painting



SLS Printed

SLS Material

FS3300PA-F, FS3300PA, FS3401GBPA12, EOS PA2200, EOS PA3200GFetc.



SLS+Steam smoothing+Painting



SLM Printed

SLM Material

AISi10Mg, SS316L, FSAISI10Mg1.2709 (Maraging Steel), Ti-6Al-4v.



SLM+Polishing



FDM Printed

FDM Material

ABS, PC-ABS, PC, PEEK, PA12, TPU and more.



FDM Printed



Vacuum Casting

PU Casting
Urethane Casting

SuNPe is able to use vacuum casting for functional low-volume prototype and production out of polyurethane and polymers, we typically apply one silicone mold to cast 15-20 pieces, and we can do original color, texture, geometries, insert-molding and over-molding. We can make the parts like device shells, panels, models, pads, frames and more.



**Over 10 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 and High temperature PU, we purchase PU material from Hei-Cast, Axson, DPI companies.



Please email sales@sunpe.com to get free material card.



At SuNPe, we provide service for rapid tooling, production tooling, export tooling.

Rapid Tooling

Common Materials :

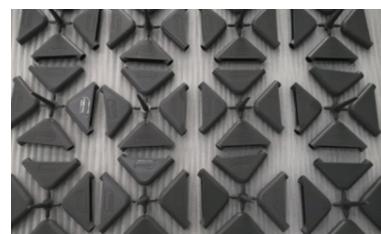
Aluminum, P20 and 718H Steel, etc

Characteristic : Lead time: 7-10 days

Part qty : 5k-100k Shots

Application : Market research stage

Product testing stage or Low volume production.



Production Tooling

Common Materials:

718H,S136 with heat treatment, etc.

Characteristic :

Lead time: 2-4 Weeks

Part qty: 250K-1000K Shots

Application : Projects that required for strict quality requirements and series/annual production;



SuNPe provides plastic injection molding services for more than one decade. There is NO MOQ, offer from 1 Pc to hundreds of thousands. We provide custom injection molding service for worldwide customers. We've done custom plastic injection molding projects for various industries including medical, automotive, electronics, consumer products, industrial equipment and more.



Automotive Part



Automotive Part



Intelligent Monitoring Collar



Barcode Verifier



Cashless Payment Device



Electronic Part



Panel of Endoscope



Massage Device



Overmolding Part

Export Tooling

Common Materials : 718/718H, S136/S136H, NAK80 or a customer-required steel type

Standard : LKM or customized requirement

Application : Own facilities or designated manufacturing facilities.



Pressure Die-casting

SuNPe offers comprehensive pressure die casting service for low-run metal pieces. All our machines with robotic arms to improve efficiency. For the basic quality system we follow the ISO 9001 certified manufacturing, the IATF16949 for automotive projects.



Die Casting Car Distribution Box



Die Casting Car Underbody



Die casting+Post Machining+E-Coating

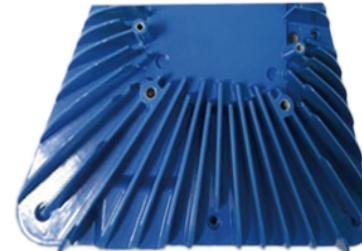
SuNPe also can offer post machining and various surface finishing. To achieve all the criteria of tolerances and assist to realize products appearance and functional requirement. Including Polishing, Sandblasting, Painting, Powder Coating, Anodizing, E-coating, Logo Printing and etc. We can suggest you the best choices for your design.



Die Casting Automotive Part



Die Casting Consumer Part



Die Casting+Powder Coating

Available Materials

Aluminum die casting: ADC12,A380 and A356-T6

Zinc die casting: Zinc #3,Zinc #4,Zinc#5

Magnesium die casting: AZ91D



Sheet Metal Fabrication

SuNPe provides the service for sheet metal prototype and low volume production. We can support projects from simple bent sheet metal prototypes to complex mechanical assemblies. Including various surface finishing and low-volume assembly service (like assembled by inserts/nuts or different welding processes).

We support different processes to build your part rapidly. Laser cutting, bending, punching and stamping are usually used in sheet metal parts to produce what you need at low cost without compromising quality.

Available Materials

Aluminum die casting: 5052, 1060, 1100, 3003, 1050

Carbon Steel: SPCC, SPHC, 1018 Steel, Q235/A3

Stainless Steel: 201, 301 half/full hard, 304, 316, 316L, 410, 420, 430

Spring Steel: 1065, 65MN

Others: Mild steel, Copper, Brass, Bronze, Zinc Plate, Spring Steel and etc.



Welding + Powder Coating



Laser Cutting



Bending



Bending+Punching



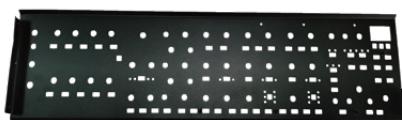
Drilling



Stamping



Punching Nuts



Laser Cutting+Beadblasting+Hard Black Anodizing



Bending+Welding

Compression Molding



Materials



HTV-9930-40, HTV-5130-80, EPDM
and other materials of silicone, rubber.

Customized Extrusion

There is no MOQ in customized extrusion service.
Depending on your sections tolerance requirements,
we can proceed post machining, like punching,
drilling and slotting services, which can also better
control the tolerance to meet your requirements.



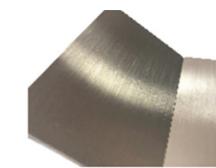
SuNPe provides
customized extrusion
prototype and
low volume production
service.

Surface Finishing

SuNPe offers various excellent surface finish services to meet the different needs and support customer's projects.



Polishing



Brushing



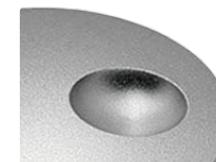
Gray Primer



Glossy Painting



Powder Coating



Sandblasting



E-Coating



Micro-arc Oxidation



Plating



Passivate



PVD Coating



Transparent Polishing+Dip dyeing



Various Texture



Transparent Plastic Polishing



Powder Coating



Colored Anodizing



Logo Printing



Use reasonable option to produce low-run parts in fast lead time

When is it to be used ?

1. Product customization
2. Product development
3. Marketing strategy



Benefits ?

1. Fast lead time
2. Low cost
3. Design & Manufacturing flexibility
4. Sample testing for less errors during production
5. Quality consistency

Typical technologies ?

1. CNC Machining
2. Vacuum Casting
3. Tooling & Injection molding
4. Pressure Die Casting
5. Customized Extrusion
6. Sheet Metal Fabrication

Consumer Product Project – Coffee Cup



Medical Project



Wool Testing Equipment Shell



One Stop Service for Boca Boot Project



Low-run CNC customized keyboards



Automotive Project – Storage Box



One Stop Service for Artificial Twigs Project



The Kinetic Reflex



Project Assurance

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 center, only the authorized staff can access to the center 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 and IATF 16949 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 concerned about 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.
- ★ After-sales service: If you found the quality issues when received your parts, please feel free to contact us, we will support to solve at the first thing.

10年事业贡献奖

Contribution Award Of Ten-years Staff

易海良 江雪梅 杨静源
黄家汉 陈颖超 韦天送



10年员工贡献奖

Contribution Award of Five-years Staff

梁燕 何桂花 梁永先 倪炳森



15年以上长期服务奖

Long Service Award in 2022

农德伟 李清云 吴世超 苏容喜

5年事业贡献

Contribution Award Of Five-year

黎容彬 王志美 陈世强 陈伟杰 蓝亚能
蓝汉 何基朗 谢永龙 李东林 苏培飞 袁鸿



10年事业贡献奖

Contribution Award of Ten-years Staff

邓宇洪 覃国初 陈家柯 曾建雄 梁秦源
郑光明 罗辉俊 关绍强 李显钦 许洁茹



5年三普事业贡献奖

Contribution Award of Five-years Staff

卢旭 何启华 余长勇 洪润英 张玉婵
梁桂洪 黄汝平 古小桥 陈冰 周华灯



15年事业贡献奖

Contribution Award Of Fifteen-years Staff

吴炳潮 麦艺绿 李剑 卢剑妃



10年三普事业贡献奖

Contribution Award of Ten-years Staff

周红卓 蒋壮壮 曾祥秋

何亚梅 詹勇赵 肖威 梁第锋



5年事业贡献奖

Contribution Award of Five-years Staff

古礼富 梁惠彬 吴丙璋 黎雪海

岑达济 谭伯胜 梁胜德 黄锦维

陈兴光 罗东强 黄日辉 谭国璋

