



INNOVATIVE SOLUTION TO MAKE MANUFACTURING SIMPLIFIED

PRECISION MACHINING

CREATEPROTO RAPID SYSTEM LIMITED

We are Someone whom you can go into Long Term Partnership as well as Someone who will learn your Business in order to Understand and Satisfy your Company's needs .

www.createproto.com

01

ABOUT US



OUR VISION

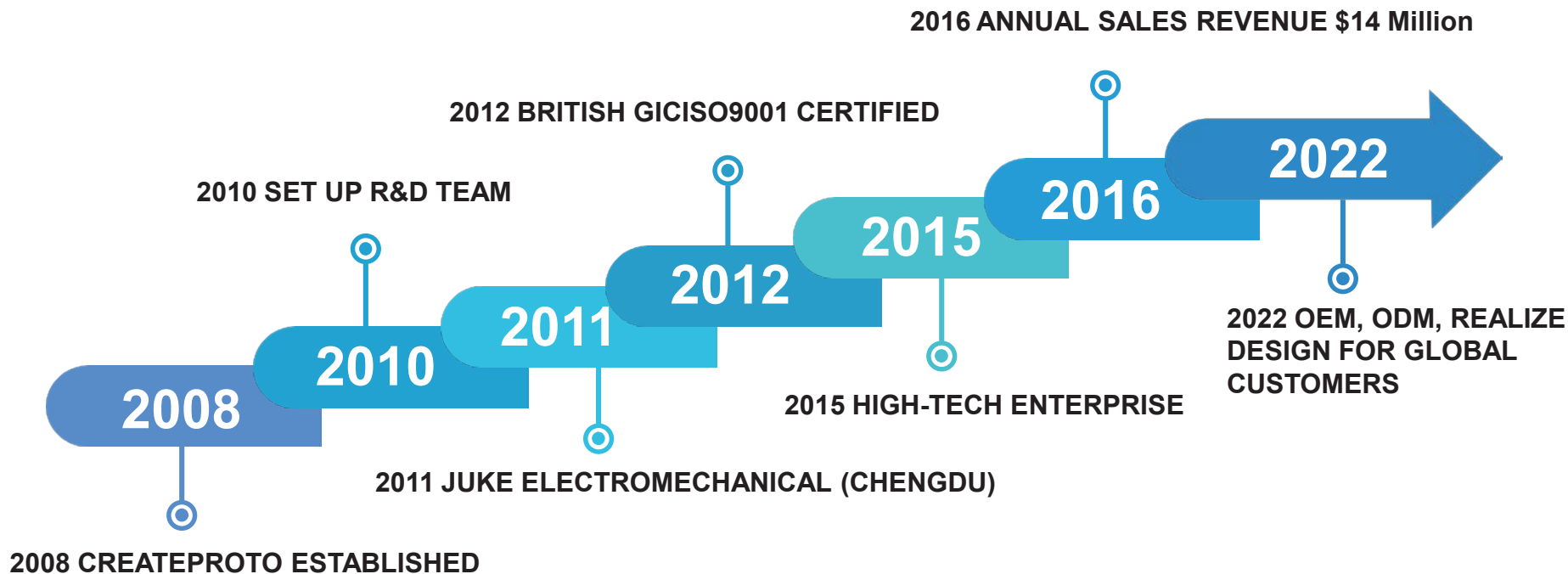
To make manufacturing simplified.

OUR MISSION

We make high-quality, custom metal and plastic parts, fast and simple for our customers.



Milestone





CREATEPROTO FACTORY





CREATEPROTO WORKSHOP





02

PRECISION MACHINING



Procision Machine Plus Introduction

Createproto precision machining center is a high-precision machining center specially designed by the group for supporting customers in USA/Europe/Israel. It now has more than 70 sets of various machining equipment, 60 + workshop technicians and operators, CNC (milling) station, lathe station, milling machine station, wire cutting position, grinder station, etc. the workshop has a perfect cost control system and process management System and quality control system.



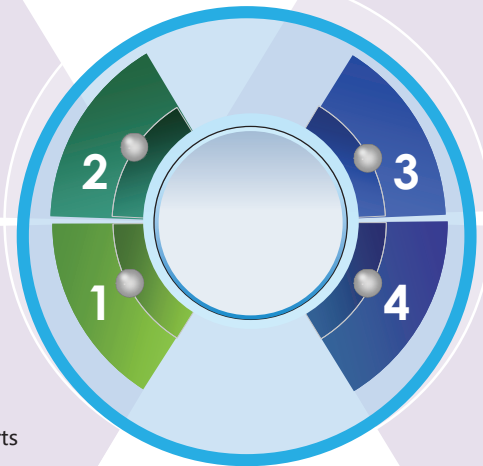
Main Production Types

CNC processing

All kinds of automatic parts, precision molds;
Main processing raw materials: non ferrous metals, non-metallic, carbon steel, etc

Turning processing

Processing of various shaft and hole parts
Main processing raw materials: stainless steel, non-ferrous metals, etc



Sheet metal processing

It mainly relies on laser cutting, numerical control punch, numerical control press, bending machine and other equipment for forming, processing and opening of sheet metal parts

Assembly and others

The company has a professional assembly team and independent assembly workshop
The machining workshop can also carry out simple surface treatment processes such as sand blasting and wire drawing of parts








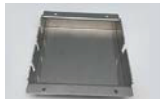


Material Selection

Material Science	To Subdivide
Aluminium	A1100-H24 / A1050 / A2011-T3 / A2017A / A2024-T4 / 2A12-T4 / A5083 / A5052-H32 / A5754-H22 / A6061-T6 / A6063-T5 / A6082 / ADC12 / A380/ A360 / A7075
Steel	1215 / CR12 / GCR12 / H13 / 16MnCr5 / SUJ2 / 100Cr6 / P20 / A2 / A3 /DH31 / Q345B / S35538Cr2 / 4140 / 4340 / SCM435 / S45C / 4J29(Kovar) / S50C / SKD61 / 8418 / SECC 1.0 / SPCC 0.8
Stainless Steel	1.4541 / SUS301 / SUS303 / SUS304 / SUS316 / SUS316L / SUS430 / SUS430F / SUS430FR / 440C / 4Cr13 / 17-7PH
Zinc Alloy	ZDC3 / ZDC5
Copper Alloy	PB102 / CuZn37 / CuZn39Pb3 / H59 / C360 / C3602 / C3604 / H62 / H59 / H59-1 / Hpb59-3 / H63 / CW508L / CW118C / CW403J / CW614N / Cu-OF / TU2 / Copper / C1100 / Copper T2 / QBe2 / CU2OW80 / QAL10-4-4
Plastic	PC / UHMW PE / PE WHITE / PP WHITE / TIVAR 1000 / ABS / PVC GREY / Bakelite Black / Bakelite Red / POM WHITE / POM BL ACK / PMMA / PA66 / PA66+GF / G10 / PTFE T=10 / PET O.1 / PET P WHITE / PPS+30%GF



Technology Selection

Photo	Process		Description	Example Materials	
	3D Printing	SLA	Stereolithography	Laser- cured photopolymer	Thermoplastic - like Photopolymers
		SLS	Thermoplastic - like photopolymers	Laser - sintered powder	Nylon, TPU
		DMLS	Direct Metal Laser Sintering	Laser - sintered metal powder	Stainless Steel, Titanium, Chrome. Aluminum, Inconel
		FDM	Fused Deposition Modeling	Fused extrusions	ABS, PC, PC, ABS, PPSU
	CNC		Computer Numerically Controlled Machining	Machined using CNC mills and lathes	Most commodity and engineering-grade thermoplastics and metals
	Vacuum Casting		Vacuum Casting	Elastomers use a vacuum to draw the liquid material into the mold	Rubber, ABS, POM, PC, PA66, PMMA
	RT		Rapid Tooling	Unconventional tooling practices	Most of plastic materials
	Sheet Metal		Sheet Metal	Cut and bent into a variety of shapes by machine	Different metals such as aluminium, brass, copper, steel, tin, nickel and titanium



Precision Machine Plus Layout





Machining Equipment

EQUIPMENT	BRAND	MODEL	QUANTITY
CNC Machining	VMC	540-1690	35
CNC Machining	YCM	CV56A	7
CNC Machining	OKUMA	MB-46VAE-R	8
Cut Machine	CHARMILLES	FI240LL	1
EDM Machine Tool	MAXSEE	P26+E75	1
Surface Grinding Machine	OKAMOTO	ACC-450A-V	3
CNC Milling Machine	HY FAIR	HBM-R4	3
High Speed Drilling Machine	CPD	SD216	1
High Speed NC WEDM Tool	DK	DK7735	1



Machining Equipment



OKAMOTO



HARMILLES



MAXSEE

	EQUIPMENT	PRCISION	MACHINING SIZE
OKAMOTO	Surface Grinding Machine	$\pm 0.003\text{mm}$	450*150*205
HARMILLES	Cut Machine	$\pm 0.003\text{mm}$	350x250x250mm
MAXSEE	EDM Machine Tool	$\pm 0.003\text{mm}$	350x250x350mm



Machining Equipment



OKUMA



CITIZEN



CPD

	EQUIPMENT	PRECISION	MACHINING SIZE
OKUMA	CNC Machining	$\pm 0.005\text{mm}$	752*560*460mm
CITIZEN	CNC Lathe	$\pm 0.005\text{mm}$	$\Phi 25 \times 100$
CPD	High Speed Drilling Machine	$\pm 0.005\text{mm}$	500*400*20mm



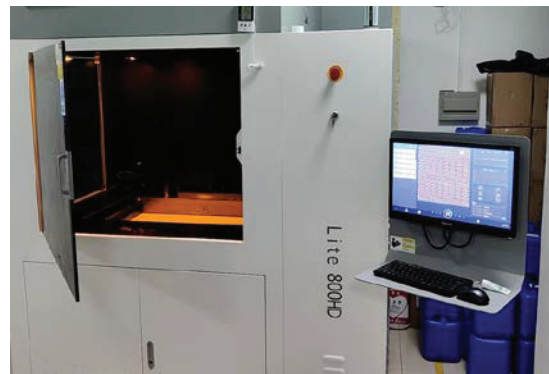
Machining Equipment



TOPSEN



HGS



LITE

	EQUIPMENT	PRCISION	MACHINING SIZE
TOPSEN	CNC Milling Machine	$\pm 0.01\text{mm}$	800*900*1800mm
HGS	Laser Cutting Machine	$\pm 0.1\text{mm}$	3000*5000mm
LITE	3D Printing	$\pm 0.15\text{mm}$	500*500mm



Main Measuring Equipment

DEVICE TYPE	BRAND	MODEL	QUANTITY
CMM	Zeiss		1
Profile Projector	DT2.5T	VIP300CNC	1
Profile Projector	GT	VML300	1
Altometer	Profile Projector		3
Spectrum Analyzer	SPECTRO	XSORT spectrometer	1
TATOAL			7



Main Measuring Equipment



1. CMM (Zeiss)



2. Altometer

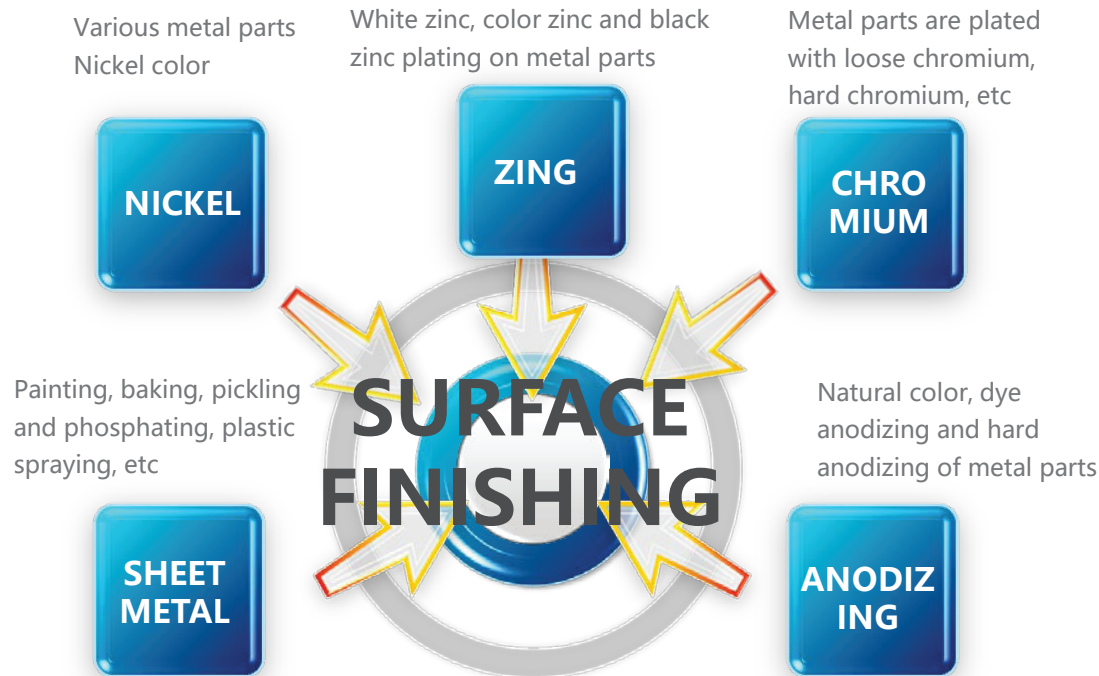


3. Profile Projector

DEVICE TYPE	PRICISION	MEASURING SIZE
CMM (Zeiss)	$1.9\mu\text{m} + L(\text{mm})/300$	700X1000X600mm
Profile Projector	$3.0\mu\text{m} + L(\text{mm})/50$	250X150mm
Altometer	$1.2\mu\text{m} + L(\text{mm})/100$	0-600mm



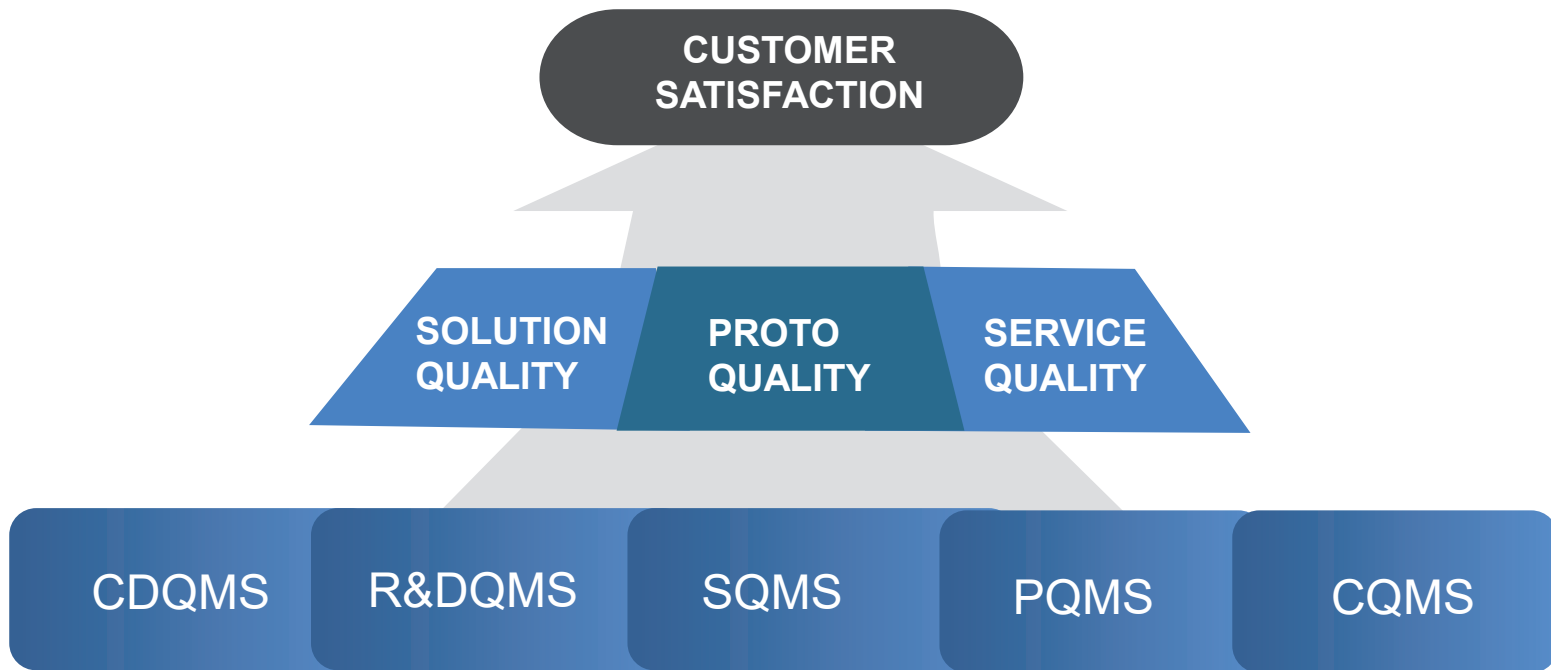
Surface Treatment Capacity



Through years of cooperation with suppliers of surface treatment around Chengdu, a set of surface treatment quality standards applicable to customer quality standards has been improved
Control process and quick response process



Quality Assurance System



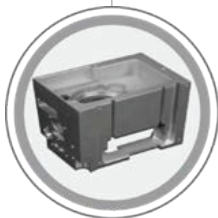


Technician Allocation

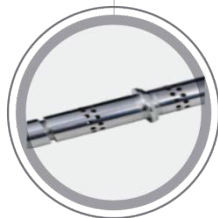
Classification	Total	Sr. technician and above	Technician	Operator
STAFF	53			
CNC	57	7	21	29
Lathe	11	2	4	5
Miller / fitter	9	1	3	5
Quality Control	21	5	7	9
Subtotal	151	15	35	48



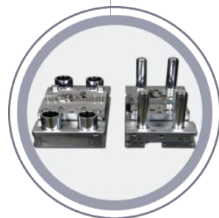
High Precision Machining



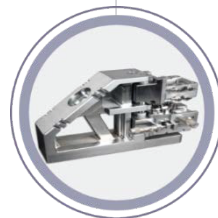
CNC



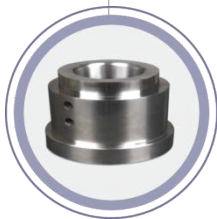
Universal milling



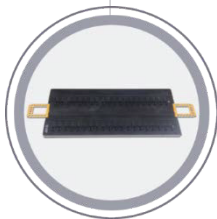
**Boring and grinding machine,
Electric spark, Wire cutting**



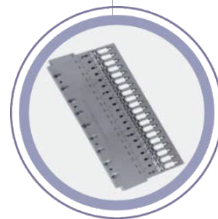
**CNC, Electric
Spark, Wire cutting**



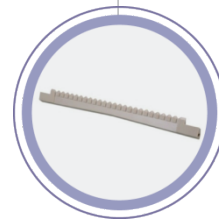
**CNC, Universal
milling**



CNC



**High-speed CNC, Electric
spark, Wire cutting**



CNC



Precision Assembly

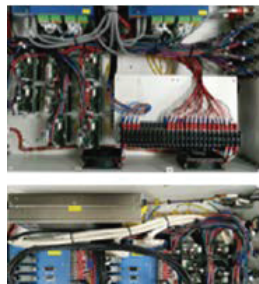
Assembly capability: Including equipment/frame/electrical/cabinet/tooling/fixture & module



Equipment



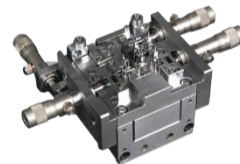
Frame & Cabinet



Electrical Cabinet



Precision Stamping
Tooling



Fixture & Module



Competitive Advantages



Strategic Reliable Supply Chain

Long-term and stable suppliers (Raw material/anodizing/powder coating/plating/passivation, etc)



High-precision process

Turning/milling/grinding/CNC/EDM/wire cutting (Full-process processing
For Rack/Electrical Cabinet/Mold/Fixture/Module Assembly, the tolerance can meet $\pm 3\mu\text{m}$)



Rich experience in machining

18+ years of precision machining experience on various materials (tungsten steel/stainless steel/aluminum/plastics/titanium/Kovar/graphite refractory/titanium-aluminium-vanadium alloy, etc.)



Customized service system

Design—Process—Assemble—Test—After-sales service in the factory one-stop solution



CREATEPROTO

RAPID MANUFACTURING

End of presentation

**We are looking forward to dealing
with your company soon!**

**For more details, please contact our
sales or visit our website.**

**Email: info@createproto.com
www.createproto.com**