



CNC MACHINING

PROTOTYPE MAKING

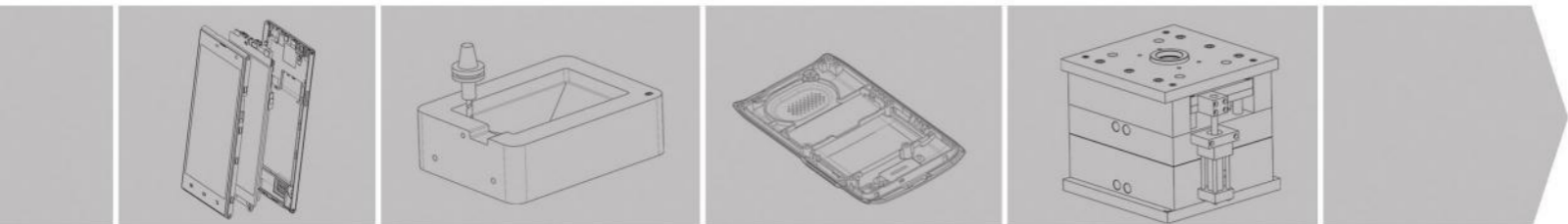
INJECTION MOLDING

DIE CASTING

PRODUCT ASSEMBLY

IMD/ILM

SHEET METAL



[www.smartmoldtech.com](http://www.smartmoldtech.com)

## SMARTMOLDTECH LTD.

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Founded in 1995, the factory of SMARTMOLDTECH is located in the national High-tech zone Building 1, Huawei Kegou Industrial Zone, Dalingshan, Dongguan, Guangdong Province, China .It covers 10000m<sup>2</sup>and we have 150 employees.

SMARTMOLDTECH is a leading manufacturer dedicated to mechanical engineering, CNC prototype, CNC machining, injection molding, aluminum/zinc alloy die casting, sheet-metal stamping, laser cutting and bending and finished product assembly.

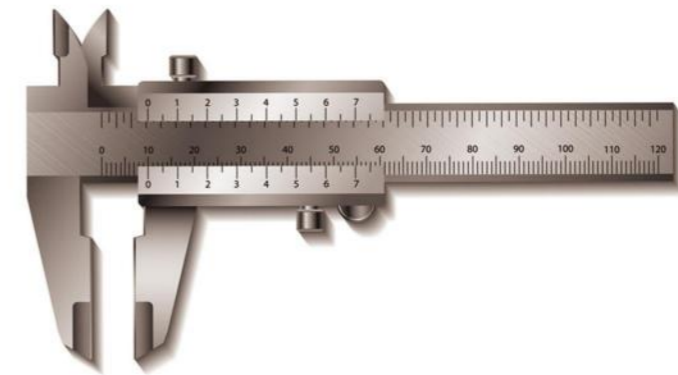
Our product cover the fields of auto parts, new energy battery parts, machinery parts, auto LED light and accessories, music stand and retail equipment, communications electronics product, medical equipment, industrial product, household appliance and fitness equipment etc..

We will provide you the best service with a good price, high quality product, shortest delivery time, as well as the economical engineering solutions.

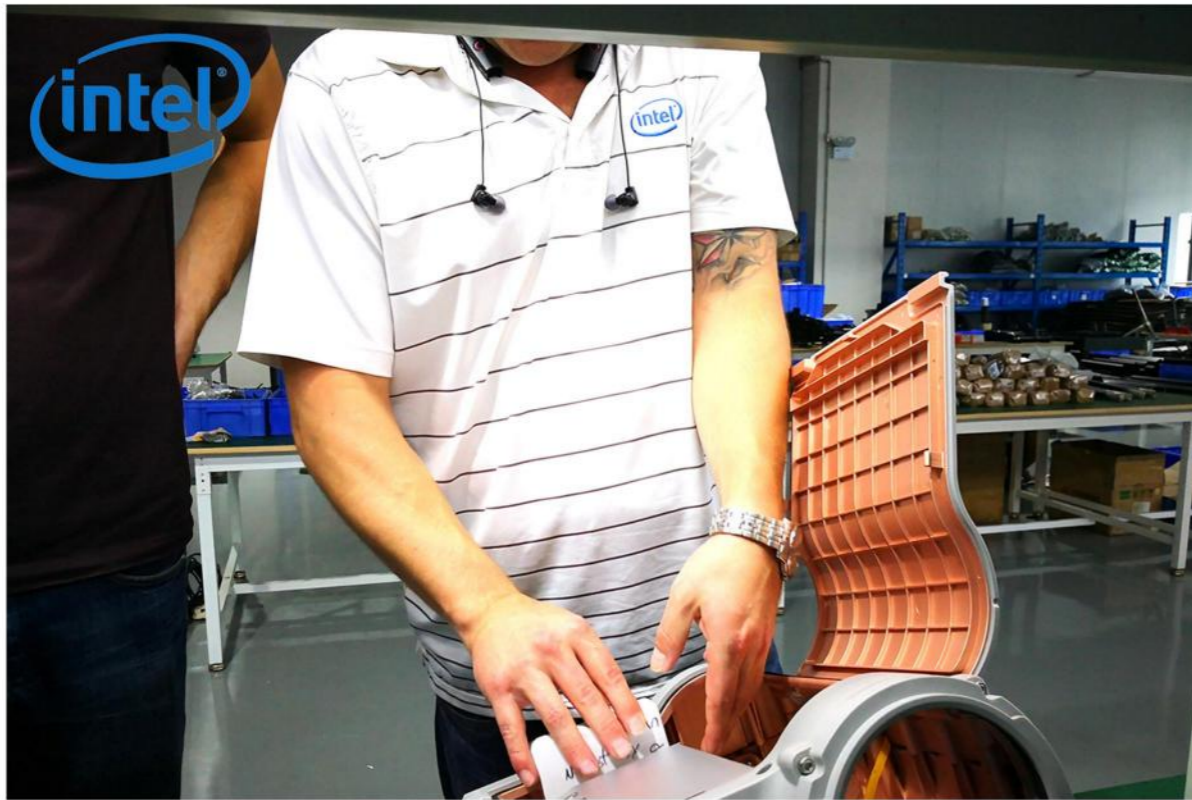
We passed the ISO9001:2018.The equipment of testing is complete: CMM, Quadratic measurement, projector, aging tester, salt spray tester, hardness tester, tension tester and IP5 waterproof test equipment.

Over last 20 years, we have supplied services for many clients such as Legrand (Pass And Seymour Inc), Intel Corporation(USA), Motorola(USA), Amazon Kuiper Manufacturing(USA), Littelfuse(USA), Eaton Corporation(USA), Grammer(Germany), Unikia(Norway), Cardo(Israel), etc. all over the world.

We are looking forward to establishing a long-term cooperation, sharing the development prosperity and building a better future together with you.



**WE** devote to high precision MADE IN CHINA



## Stadium Camera

Our business cooperation with Intel group started from April 2014. We spent a whole year to discuss the details such as the DFM report, finished product assembly, test, quote etc..

- 18 plastic molds,
- 2 stamping molds,
- 3 die casting molds,
- 4 die cut molds,

are done in 40 days. It takes 6 months to complete the project before mass production.



All the required test equipment are equipped in 2015 for this Stadium Camera. Product passes the rain test, free-fall test, temperature test and Corrosion test before delivery to Intel.

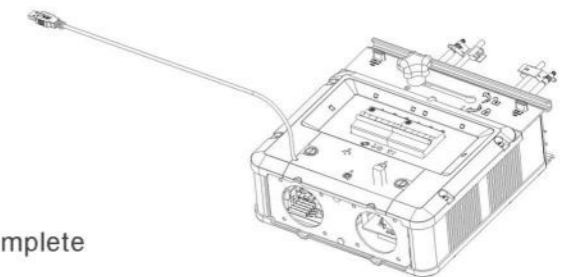


## Data Center Controller

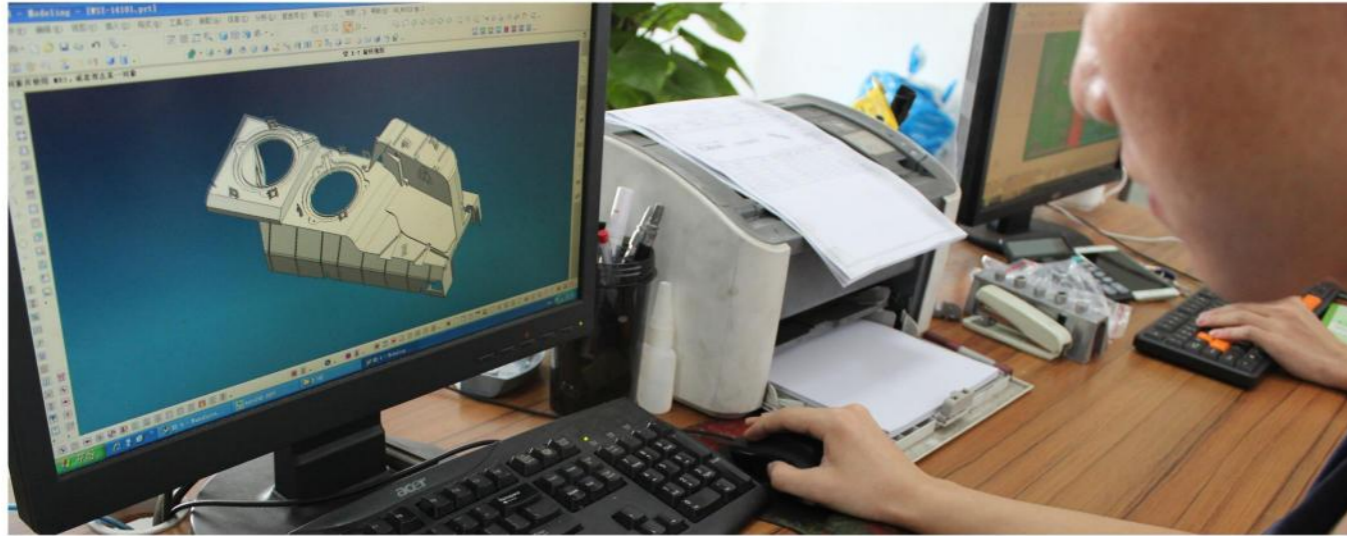
Our business cooperation with Legrand group started from May 2013. We spent one and half a year to discuss the details such as the DFM report, finished product assembly, test, quote etc..

- 30 plastic molds,
- 5 stamping molds,
- 1 die casting mold,
- 3 silicone molds

are done in 50 days. It takes 4 months to complete the project before mass production.



Product passes the free fall test, temperature test and UL certificate before delivery to Legrand. Final finished product has been continuously equipped in most data center in USA.



**Design:**

we can design the product according to customer' s idea.



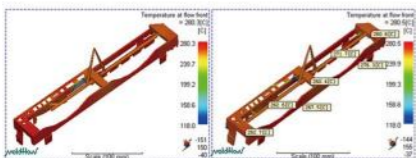
**Reverse engineering:**

Reverse engineering for customers and provid the 2D/3D drawings.



**Prototype making:**

Fast delivery for metal/plastic CNC and 3D printing prototype.



**MoldFlow analysis:**

Making the mold analysis of the complex products in order to optimize the mold design.





### Dust-Free Plastic Injection Workshop

15 sets of German KraussMaffei injection molding machine. No dust is required in the workshop, some high-demand products can be produced, such as medical products .etc



### Plastic Injection Workshop

Equipped with 65 sets injection machines, the tonnage from 50T to 1600T, including 7 sets two-color injection machines and 2 sets vertical injection machines. We equipped robot hand and appending machine on each injection machine to reduce the labor force and improve the production efficiency.



### CNC Machining Center Workshop

Equipped with 15 sets CNC machines, including Swiss Mikron high-speed CNC, and Japan Makino high speed CNC. The biggest TaiWan CNC machine can processes on 2 meters products.



### EDM Workshop

Equipped with 13 sets EDM machines, including 4 sets of Swiss Charmilles mirror spark machine (Model: ROBOFORM 350 )

### Hardware workshop

2 sets Chinese YAWEI bending machines, 1 set plate shearing machine and several sets welding machines. 5 sets Taiwan SEYI pneumatic punching machines with low noise and high precision ( Sizes: 30T -150T)

Material option:

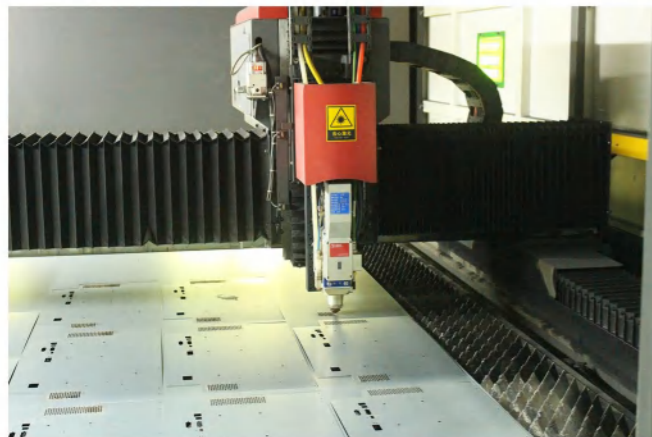
Copper C1020/C1100/C2100/2200/  
2300/2400/2600/C1020/  
C1100/C2100/2200/2300/  
2400/C2600;

Stainless steel:

SS304/SS301/SS430;

Aluminum:

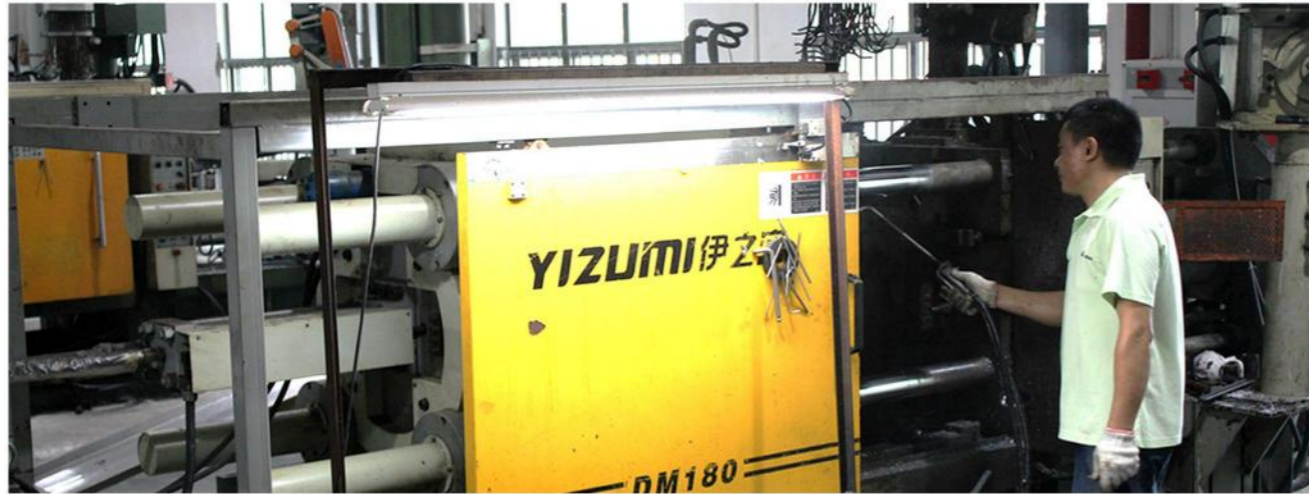
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### Finished Product Assembly

Our experience engineers and managers control every detail from packaging to the finished product.





Die Casting Workshop

Equipped with 4 sets aluminum alloy and 2 sets zinc alloy die casting machines, the tonnage from 150T-800T. Material option: ADC12, A380, Zamak-2, Zamak-5



Quality Control Process

- |                             |                             |
|-----------------------------|-----------------------------|
| CMM                         | Analog transport instrument |
| 2D measuring instrument     | Wear resistance tester      |
| Projector                   | Aging tester                |
| High/low temperature tester | Salt-spraying tester        |
| Waterproof tester           | Optical tester              |
| R0SH 2.0 tester             | Silicone hardness tester    |
| R0SH 1.0 tester             | Hardware hardness tester    |
| colorimeter                 | Screw micrometer            |
|                             | Calipers                    |

1. Design control
2. Steel hardness inspection
3. Electrodes inspection
4. Core and cavity steel dimension inspection
5. Pre-mould installation inspection
6. Trial report and samples inspection
7. Pre-shipment final inspection



OEM Medical injection molding product



Automotive/Robot parts



Double Injection molding parts



OEM Household injection molding product



OEM/ODM Home Appliances injection molding



Aluminum and zinc alloy die casting parts







## Equipment List

Injection Workshop:			
Injection Machine	MA600 60T	4	HaiTian
	CH90 90T	4	ZhenXiong
	MA1200 120T	7	HaiTian
	HT1300 130T	11	HaiTian
	MA1600 160T	15	HaiTian
	IA2000 200T	1	HaiTian
	MA2500 250T	1	HaiTian
	CH320 320T	1	ZhenXiong
	KM538 538T	1	JiaMing
	PAX-160	10	KraussMaffei
	SE180EV-FT	5	Sumitomo
	MA2000	10	HaiTian

Stamping & Sheet metal division:			
Laser cutting machine	Han's Laser	1	China
Laser cutting machine	Yueming Han's	2	China
Bending machine	Yawei	2	China
Shearing machine	Yawei	2	China
Engraving machine	JingYi	2	China
laser marking machine	GuanLi	3	China
Punch	SEYI	2	Taiwan
	SEYI	2	Taiwan
	SEYI	1	Taiwan
Pressure riveting machine	N/A	1	China

QC:			
Measuring Equipmet	CMM	2	China
	2D Measurig Instrument	3	China
	Projector	3	WanHao
	High and low temperature tester	4	China
	Waterproof tester	2	China
	Abrasion tester	1	China
	Negative pressure tester	1	China
	Salt spray test instrument	1	China
	Transport simulation tester	3	China
	Smart Lock life tester	1	China
	Thermotank	1	China
	Constant temperature type black body tester	2	China

Die casting & Machining Division:			
Alu die casting machine	YIZUMI	3	China
	LVTAI	1	Taiwan
Zinc die casting machine	YANHING	2	China
CNC	ARES SEIKI	1	Taiwan
	BISEN	3	China
	JIR FINE	4	Taiwan
CNC lathe	YuZhou	1	China
	JiNan	1	China
	ShenYang	1	China
Lathe	GuangZhou	1	China
Multi tapping machine		2	China
Sand blast machine	N/A	1	China
Shock machine		2	China
Travelling crane	WeiHua	1	China

Assembly Division:			
High frequency machine	LiRong	1	China
	LiRong	1	China
	LiRong	3	China
Ultrasonic machine	SanJie	4	China
Film coating machine	N/A	3	China
Separator machine	N/A	1	China
Bagging machine	N/A	3	China
Bag sealing machine	N/A	1	China
Production line	N/A	1	China

Mold Workshop:			
High Speed CNC	V33e	1	Makino
	VMC-650	1	Mikron
	VMC450	1	China
CNC	VMC850	3	China
Mirror EDM	P350	4	Charmilles
Grinding Machine	HF-618	3	China
	KGS3060	1	China
Milling Machine	JF-173T	3	China
Drilling Machine	Radial drilling	1	China
Lathe	/	1	China
Travelling crane	/	3	China