



**SAIVS**

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**SAIVS**



**CASTING &  
MACHINING**





WELCOME TO SAIVS

## COMPANY INTRODUCTION

Specialized in different kinds of casting and precision CNC machining components, building customized parts since 2002. SAIVS has the experience to develop thousands of tooling and fixtures in house according to customers' drawings.

The company has 28 years experience to produce castings and machined parts. The company, known as Agricultural machinery parts, Engineering machinery parts, Hydraulic parts, Wind power components, solar energy parts, Automobile parts etc...

The main customers are the leaders in their own industry from all over the world, such as LM WIND POWER, BRIGHT SOURCE SOLAR ENERGY, STACKE HYDRAULIC AB, Pacoma GmbH (Germany), Labrie Environmental Group, LIGHTING SCIENCE GROUP etc...

The company has more than 550 employees totally, 310 people stay and work at casting foundries, and 200 people works at CNC machining plant.

Our sales turnover in 2015 was 53million dollars, we have nice reputation in components supply chain, as we have better management system, positive teamwork cooperation and advanced equipment. We obtained certificates of TSI 6949, ISO 9001, ISO 14001 and OSHAS ISO 18001.

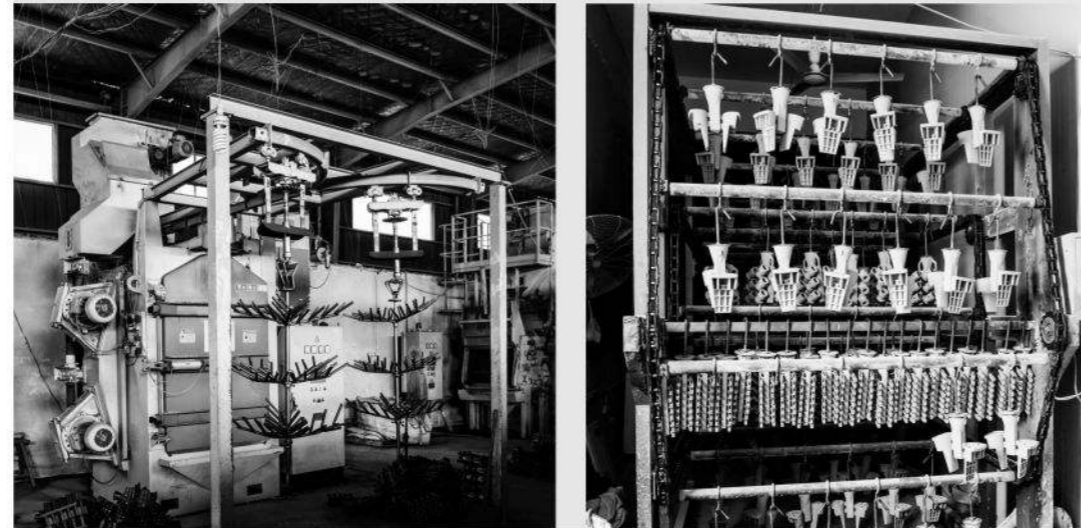
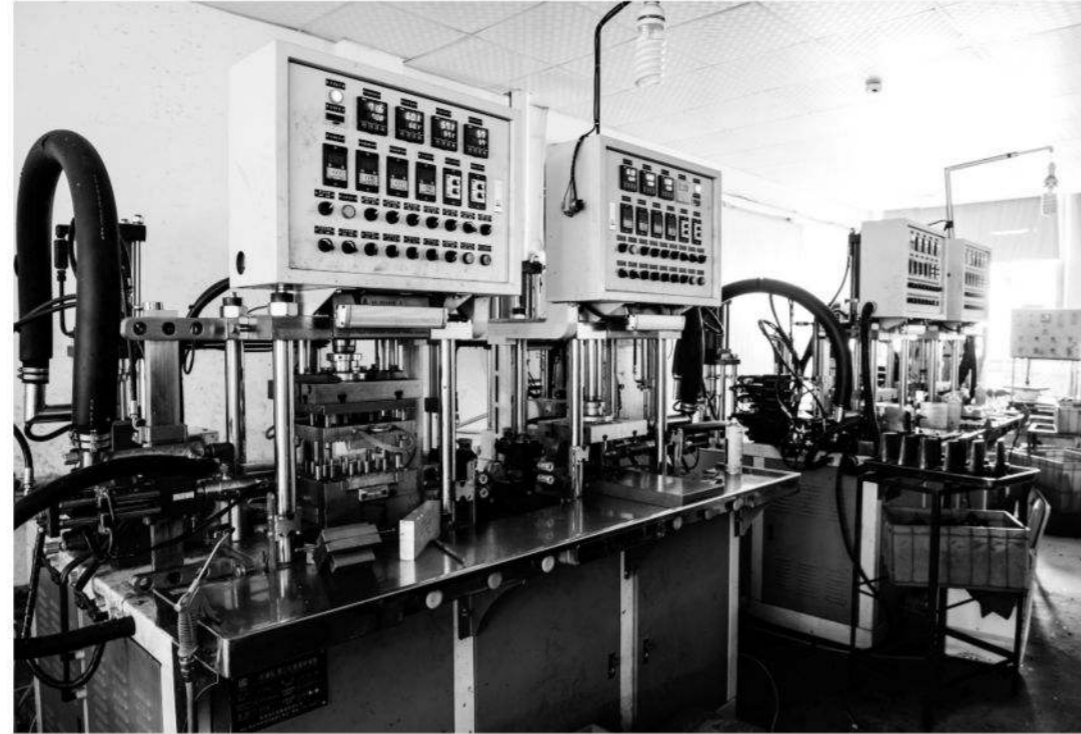


## SAND CASTING EQUIPMENT AND CAPACITY

- 2 TOKYU Automotive casting lines, Denmark DISA sand processing and recycling line;
- 2 sets of electric melting furnace systems, Annual casting capacity:12000 T;
- Casting MAX part size:1100\* 1100\*1000 mm, Casting weight:0.3Kg to 1500Kg;
- Casting tolerance: CT7-CT11
- Material:  
GG20, GG25, GG30, ASTM A48, class25, class30, class40, class50, GGG40, GGG50, GGG60, GGG70, ASTM A536, 60-40-18, 60-42-10, 65-45-12, 70-50-05, 90-60-03, 100-70-03

# PRECISION CASTING EQUIPMENT AND CAPACITY

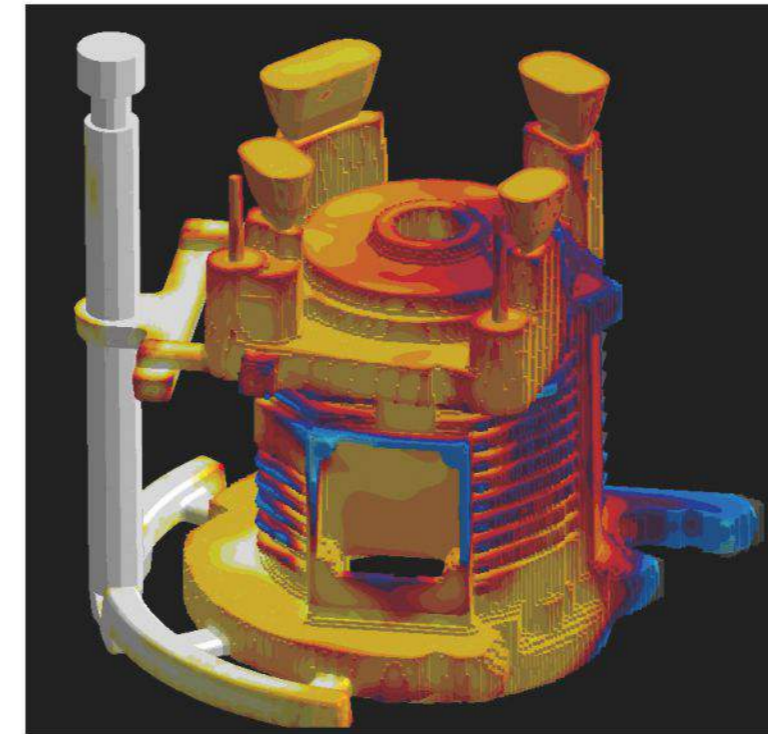
8 sets wax mould making systems  
2 shell forming lines  
4 electrical melting furnaces  
Annual casting capacity:6000 T  
Casting part size:10\*10 to 400\*700mm  
Casting part weight:20g to 100 kg  
Casting tolerance: CT4-CT7  
Material:  
1020,1045,4140,WCB,LCB  
Stainless Steel:SS304,SS304L,SS316,  
SS316L,CF8M,CF-8 etc.



# DIE CASTING EQUIPMENT AND CAPACITY

Mainly supplied parts: Auto parts, electronic parts, furniture parts, home appliance and other industrial uses

1 set 1600T casting machine  
2 set 800T casting machine  
8 sets 100 to 500T casting machines  
Annual casting capacity:6000T  
Casting weight: 10g to 20kg  
Casting tolerance: CT4-CT6  
Material: A390, A380, AISi9Mg, AISi9Cu3, ADC 12 ,ZDC ,ZD2, Zamak3, Zamak5 etc.



# MACHINING EQUIPMENT

SAIVS



EQUIPMENT	MODEL	PEODUCTION CAPACITY	ACCURACY	QUANTITY
Horizontal machining center	KH80G	1250*850mm	0.005mm	5
Horizontal machining center	KH50G	1250*850mm	0.005mm	5
Vertical machining center	MV106A	1120*600mm	0.005mm	30
CNC lathe	PNEX-108-08T12	400*2000mm	0.003mm	30
CNC lathe	CK6140	Ø350*900mm	0.003mm	20
CNC lathe	PNEX-108-08T12	Ø200*110mm	0.003mm	15
Kinematics Robot	YASYAWA	3500mm	160kg	8
Truss Robot	SAIVS	8000mm	80kg	12



# QUALITY

We are committed to meeting and exceeding our customers' expectations in terms of the quality of services. To reinforce this commitment, we have established a documented Quality Management System, with which we are committing ourselves to a strategy of continual improvement of our activities, processes and services.

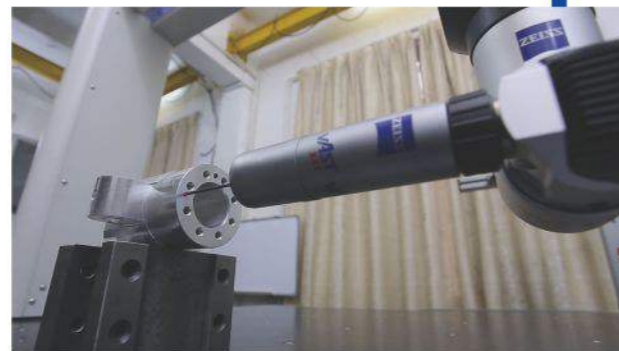
We have full set of advanced test equipments, such as spectrum analysis, CMM, universal strength testing equipment, metallographic microscope, nondestructive inspection, salt spray tester etc.

# QUALITY

All customers' prints are controlled and maintained electronically on the company. All the test report, material report and relevant quality documents will be kept at least two years or as customers' requirement. All the test gauges and test devices calibrated regularly by special institution.

## Quality control details

- Control Plan(CP)
- Failure Mode & Effect Analysis (FMEA)
- Incoming Material Quality Control (IQC)
- In-Process Quality Control (IPQC)
- Statistical Process Control (SPC)
- Final QC (FQC)
- Measurement System Analysis (MSA)



# INDUSTRIES

# SAIVS

- Transportation
- Agriculture
- Energy
- Industry
- Automotive
- Construction
- Food
- Electronics



# PRODUCTS

SAIVS Machinery has 25 years of experience in manufacturing and managing kinds of parts and products. Our knowledge of the production process enable us to guide our customers to the products, producing process that best match their needs and cost requirement.

Importing high accuracy equipments, which can allow SAIVS to produce high-tolerance components mainly in aluminum and steel.

SAIVS supply machined components to the leaders of various industries for years. We are pround of ourselves for the long-term partnerships with our customers. Their yearly increasing demands forced SAIVS to do innovation in technology and equipment.SAIVS automotive machining line has come into use in 2016.



**Machining Tolerance:**  $\geq 0.005$

**Heat treatment:**

Quenching, Induction hardening, carbonizing etc...

**Surface treatment:**

Zinc plating, nickle plating, painting, powder coating, anodizing, polishing etc...

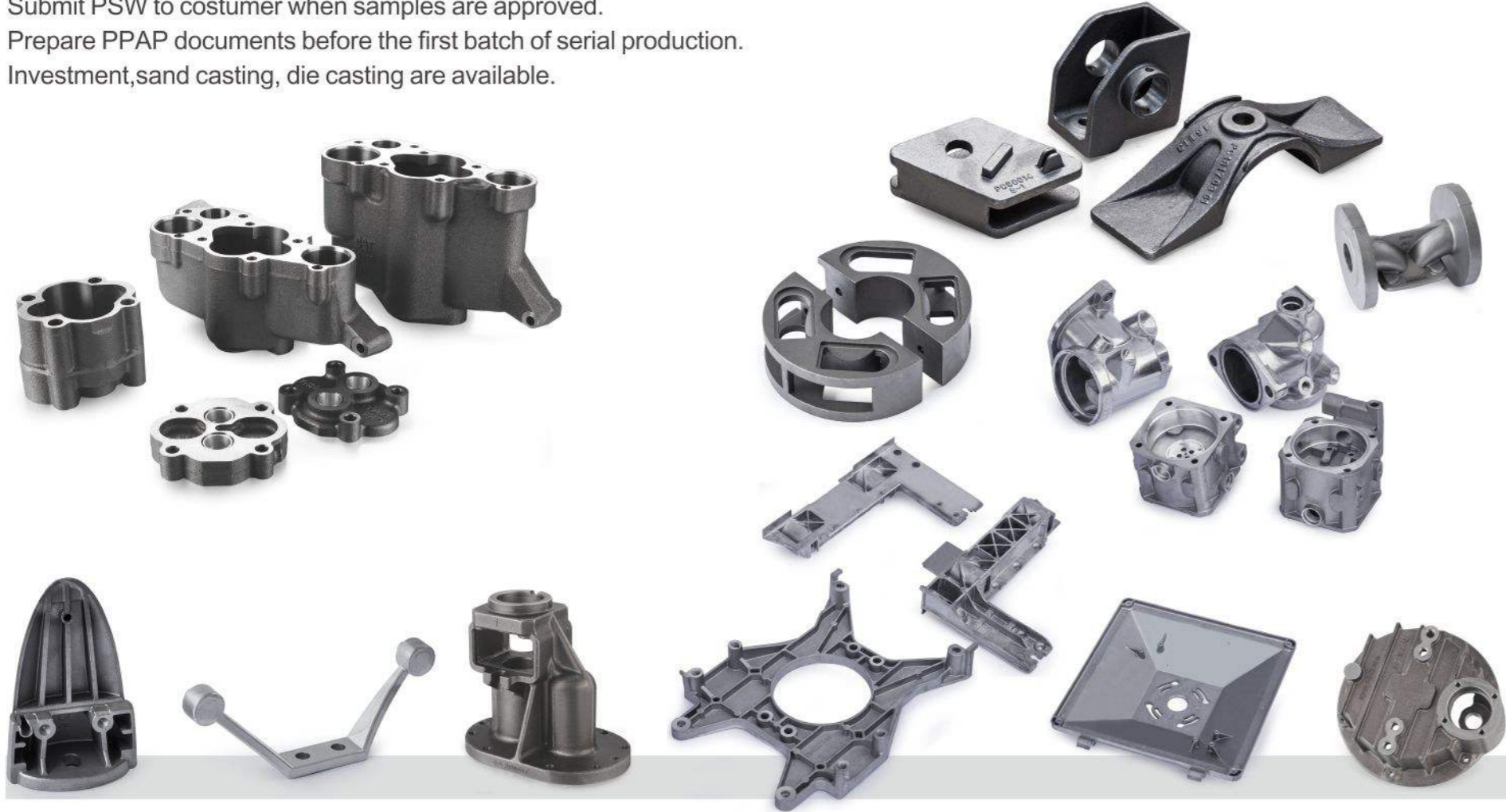
Machining material: carbon steel, steel alloy, stainless steel, aluminum alloy etc.



# PRECISION MACHINING

# CASTINGS & FORGINGS

SAIVS is able to provide castings using most effective manufacturing methods. When new inquiry comes, SAIVS will do assessment of projects before quotation to ensure we are competent to the parts. Submit PSW to costumer when samples are approved. Prepare PPAP documents before the first batch of serial production. Investment,sand casting, die casting are available.



# ASSEMBLY & WELDING

SAIVS have capacity to assemble complex parts based on customers' requirement, we can design speacial fixture to make sure a fine assembly tolerance, meanwhile, a series of Quality Management System is made for assembly. Competitive price and good quality control is also our advantage.

# STAMPING & SPRINGS

SAIVS develop stamping and springs' business in recent years, they are mainly applied in Power Tools, Agriculture, Automotive and Lock Hardware etc...



# GLOBAL PARTNERS

