

# Welcome your OEM and ODM inquiries!



vipmr9@gmail.com



vipmr9@gmail.com



vipmr9



2318560059



sales@weser.co



15063001119



Weser website



dabai1119



0086 150 6300 1119



0086 153 1879 7466



1119, Gold Tower 61 Haier Road Qingdao 266100, CHINA



<https://www.linkedin.com/in/car-parts-426671130/>

<https://www.linkedin.com/in/helen-liu-179923128/>



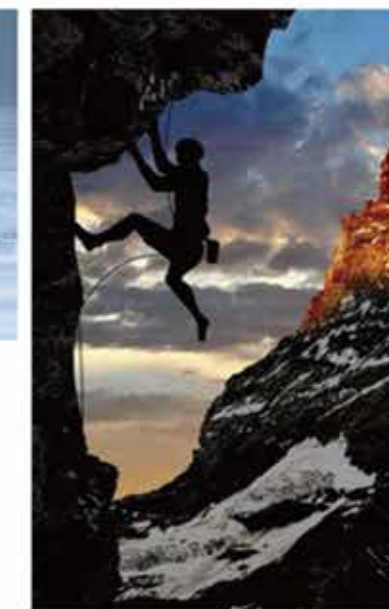
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global sources

## CATALOG WESER QINGDAO

**Weser**  
FOR PRECISION INDUSTRY



# 2019/20

[www.weser.co](http://www.weser.co)

dream bigger

# ABOUT US

As an enterprise certified by TUV ISO9001:2015, WESER QINGDAO not only specializes in the field of automobile, but also has the service ability including various processes and assembly, rapid 3D forming capabilities for hydraulic, sports, electric power and precision industry. WESER QINGDAO was established in 2005 and is a professional company that provides solutions to help clients reduce sourcing cost of customized products in China, Vietnam, Thailand, Taiwan and India. We are knowledgeable in metal, plastic and rubber fabrication, fast prototype, 3D printing, assemble as well.

### 30 IATF16949-certified Manufacturing Facility

With our 50 manufacturing companies working closely with us for over 14 years, we have export millions of cast, forged, machined plastic injection and assembled items worldwide, particularly to US, Germany, the UK, Israel, Denmark, Canada, Italy, New Zealand and Russia. Hundreds of exporters and manufacturers from the automotive and construction, sports benefits from our services including well-known and honored clients like Tenneco, Caterpillar, Textron, Hoerbigger, CTS, Parker, Throlabs, Hydac, AVST AG, Corvette, Chevrolet, Camaro and Rexnord.

At present, the business scope of the company has been expanded to robot industry, hydraulic parts, valves, medical treatment, water sports equipment, automobile testing industry and printing industry.

We use our vast knowledge and global contacts to produce low-cost and high-quality components with PPM control rate 50PPM for OEM companies. We can provide precision components and sub-assemblies from IATF16949 certificated factories around China.



## HIGH PRESSURE / LOW PRESSURE DIE CASTING



Material: aluminum, magnesium, zinc. Mostly used: A380, A356, A383, ADC 12, zamark 3, zamark 5, AZ91D  
 Finish: Powder coating, dacromet, painting, anodizing, e-coating, chrome plating, gold plating  
 Key words: bracket, housing, cover, knuckle, lever, bracket, gear, wheel, clutch, shaft, plate, cylinder  
 USP: IATF16949, ISO14001, OHSAS18000 certificated factory from 2009, PPAP level III, welcome large order  
 Customer: Tesla, SL Tennessee, Copper Lighting, Ferrari, Harley-Davidson  
 Process: high pressure die casting  
 Equipment: die casting machine BUHLER, FRECH, UBE, TOSHIBA 180T, 250T, 600T, 800T, 1000T, 1500T, 2000T to 2500T. In housing mold making and DMG MORI machining, ZEISS 3CMM  
 Application: automotive, lamp, electronic, communicate, power tool and hardware.  
 Capacity: weight from 0.01 to 45kg, 6000T annually

**HIGH PRESSURE  
LOW PRESSURE  
DIE CASTING**



**SEMISOLID CASTING**



# GRAVITY CASTING/COUNTER-PRESSURE DIE CASTING/ VACUUM CASTING

Material: aluminum. Mostly used: A356

Finish: nickel plate, gavanizing, oxidation,TEFLON

Key words: cover,knuckle, motor house, cylinder, flywheel, valve

USP: IATF16949 ISO14001 ISO18000 certificated, PPAP III documents, 98% OTD, 30 R&D

Customers: SIMENS,DANAHER, TYCO,Magnet Marelli

Process: gravity casting, low-pressure die casting

Equipment: X-ray inspetor, in-house T-6 heat treatment line, SPECTRO spectrum, 3CMM

Application: automotive,electronic,railway, marine, medical devices,

Capacity: weight from 0.1 to 200kg, 1000T monthly capacity, in-house CNC machining, coating and anti-oxidation finishing



# GRAVITY CASTING COUNTER-PRESSURE DIE CASTING VACUUM CASTING



Material: stainless steel, carbon steel, steel alloy. Mostly used: SS304, SS316, 17-4PH, AISI 1020, 1050, 1045  
 Finish: polishing, brushing, shot blasted, glass bead blasted, oxidation, phosphate, passivate, chrome plating, powder coating, painting  
 Key words: valve, socket, knuckle, bracket, housing, cartridge, lever, stud, grommet, cone, nozzle, adapter, gear, wheel, cover, shaft, plate, cylinder, ring  
 USP: IATF16949, ISO14001 certificated factory from 2007, PED4.3, PPAP III, welcome small order  
 Customer: E-Z-GO, BMW, Chrysler, GM, Audi, Hyundai  
 Process: lost wax investment casting, water glass investment casting, compound process, silica sol, water glass, fast investment casting, compound investment casting  
 Equipment: 4 modern casting line, VA robot shell maker, MAZAK CNC, 3CMM and spectrum  
 Application: automotive, construction, army, marine, tool, medical equipment, sports, hardware.  
 Capacity: weight from 0.01 to 25kg, wall thickness up to 0.1mm, 5000T annually

# INVESTMENT CASTING

## Top-notch Facility



# INVESTMENT CASTING PRODUCTS





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Material: carbon steel, steel alloy, ductile iron, grey iron, aluminum, copper, magnesium. Mostly used: 20CrMo, 45-12, HT300, A356, AZ61D, Stainless steel 304  
 Finish: powder coating, painting, e-coat, galvanizing  
 Key words: gearbox, housing, transmission, cylinder, tray, seat  
 USP: IATF16949 ISO14001 certificated factory from 2006, PPAP III, excellent supplier for TOYOTA  
 Customer: TENNECO, Caterpillar, FOTON, TOYOTA, John Deere  
 Equipment: HWS static pressure molding line, SINTO FBO production line, Laempe core making, Q6 Spectrum, HEXAGON 3CMM, HASS CNC, in housing heat treatment  
 Application: automotive, farm machinery, motorcycle, tractor, railway, engineering machinery  
 Capacity: weight from 0.2 to 500kg, size up to 1.8m, 2000T monthly

## SAND CASTING

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FOR PRECISION INDUSTRY



## SAND CASTING

# ADI

ADI has the character of high strength, wear resistance, anti shocking and machining self hardening etc, it can replace high strength grey iron and normal cast iron, high strength carbon steel and alloy steel casting ,forging ,welding and appearance quench parts. They are suitable for widely use in automobile industry , mining, construction, railway, agriculture, general machine industries.

Comparison chart:

Material	Cast Iron				Cast Steel	
	Austempered Nodular Cast Iron(ADI)	Assembly Cast Iron	Malleable Cast Iron	Nodular Cast Iron(pearlite+ferrite)	Cast steel	Forged Steel
Tensile Strength(Mpa)	800-1600	150-350	414-724	400-800	414-483	552-1172
Yield Strength(Mpa)	500-1300		221-586	250-480	207-276	310-1000
Extension Percentage(%)	1-16		10	2-18	2410	10-22
Hardness(HB)	260-550	150-280	150-290	130-335		



Material: aluminum, copper, steel. Mostly used: Al6061,6063,7075,2014 AISI 1015, 1020, SS304, SS316.  
 Key words: shaft, ring, pump, valve, tie-rod end, spray gun,draft link, clamp, steer knuckle arm  
 USP: IATF16949 ISO14001 certificated, PPAP III, 34-year experience  
 Customers: ITI, BDK, GAIN,Ensto  
 Process: precision die forging, aluminum and stainless steel forging  
 Equipment: 300-2500T electric hydraulic die forge hammer, 100kJ PLC forging hammer, 80kJ PLC forging hammer, 50kJ PLC forging hammer, 31.5 kJ PLC forging hammer,hot die forge press, air forge hammer, crankshaft press, friction press, in house mold making and heat treatment, magnetic partical detector  
 Applications: automotive, bike, motorcycle, aviation,high-speed rail,armarium, textile machinery  
 Capacity: weight from 0.01 to 20kg, 500,000pcs monthly

# FORGING

## FORGING



## PRECISION MACHINING

Material: aluminum, brass, steel, titanium, magnesium. Mostly used: Al6061, 62 brass, 12L14, SS304, Titanium GR5.

Finish: Zn-Ni, anodizing, chrome plating, galvanizing, sand blasting

Key words: socket, spacer, bracket, housing, cartridge, lever, stud, grommet, cone, nozzle, adapter, gear, wheel, cover, shaft, plate, cylinder, ring, valve

USP: IATF16949 ISO14001 certificated factory, PPAP III, 99% customer satisfaction

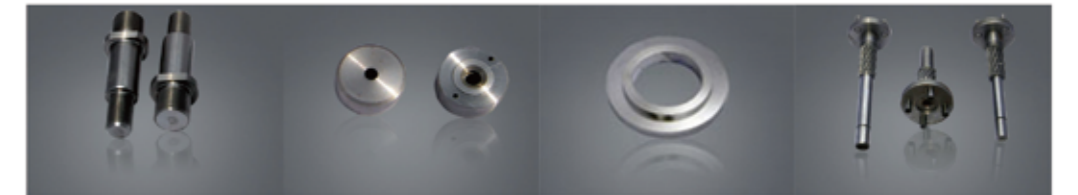
Customer: BOSCH, TENNECO, Hoerbigger, TEXTRON

Process: CNC machining, milling, grinding, turning, EDM, laser cutting, welding, cold heading

Equipment: 4-axle CNC, 5-axle CNC, over 200 lathes, Zeiss 3CMM,

Application: engine, damping, cellphone, gun, bike, electronics

Capacity: weight from 0.001 to 80kg, hundreds of new products developed annually.







## Stamping, bend, laser cut, punch, deep draw, welding

Material: stainless steel, carbon steel, aluminium, brass. Mostly used: SS304, AISI 1015

Finish: powder coating, painting, zinc plating, galvanizing,

Key words: case, housing, cover, displayer

USP: IATF16949, ISO14001, OHSAS18000, ISO3834 welding system, certificated factory from 2007, PED4.3, PPAP III, welcome small order

Customer: ABB, Apple, BOSSCOM, SIEMENS, Velux, TRW, VESTAS

Process: progress die, stamping, bending, welding, deep draw, laser cut

Equipment: 25-1600T hydraulic press machine, 3CMM, X-ray, coating thickness gauge, colorimeter, robot welding, robot coating line

Application: automotive, construction, appliance, railway, electric case

Capacity: weight from 0.01 to 25kg, wall thickness up to 0.1mm, 5000T annually



Material: GB, JIS, DIN, MPIF etc stainless steel, iron, bronze. Mostly used: F0203J, MPIF 35, C-39, SS316

Key words: muffler, valve, valve guide, compressor, connecting rod, piston, gear, filter, pulley, pump

USP: IATF16949, ISO14001 certificated factory from 1998, PPAP III

Customer: IMS:GEAR, Tenneco, BLACK&DECKER, BOSCH

Process: PM, sintering

Equipment: 60 advanced compacting machines and sizing machines, 10 conveyor belt sintering furnaces, high-temperature sintering furnaces, steam-treatment furnaces, 16-400T press line, nitrogen atmosphere protection net, CREMER sintering oven, 3CMM

Application: automotive, gearbox, garden tools, compressor, appliance

Capacity: weight from 0.01 to 5kg, 3000T annually

**PM**



Material: EPDM, NBR, SBR, BR, silicone, fluorine rubber, neoprene, ABS, PP, PE, PA, nylon  
 Key words: cover, bellow, housing, plate, pedal, sealing, bushing gasket, o-ring, head gasket, bushing, tube, boot, pad, grommet, spacer, insulator  
 USP: IATF16949, ISO 14001, OHSMS18001, SGS inspection, PPAP III, compliance with ROHS, REACH and FDA, ASTM2000, SAE-J200  
 Customer: Hyundai, SL, E-Z-GO  
 Process: rubber fabrication, plastic injection, plastic extrusion  
 Equipment: in house mold making, advanced corollary equipment of batching ingredients, mixing, vulcanizing, precision CNC machine and sophisticated testing equipment  
 Application: automotive, sport, agriculture, appliance, mining, marine  
 Capacity: 2000T annually

# RUBBER & PLASTIC PARTS



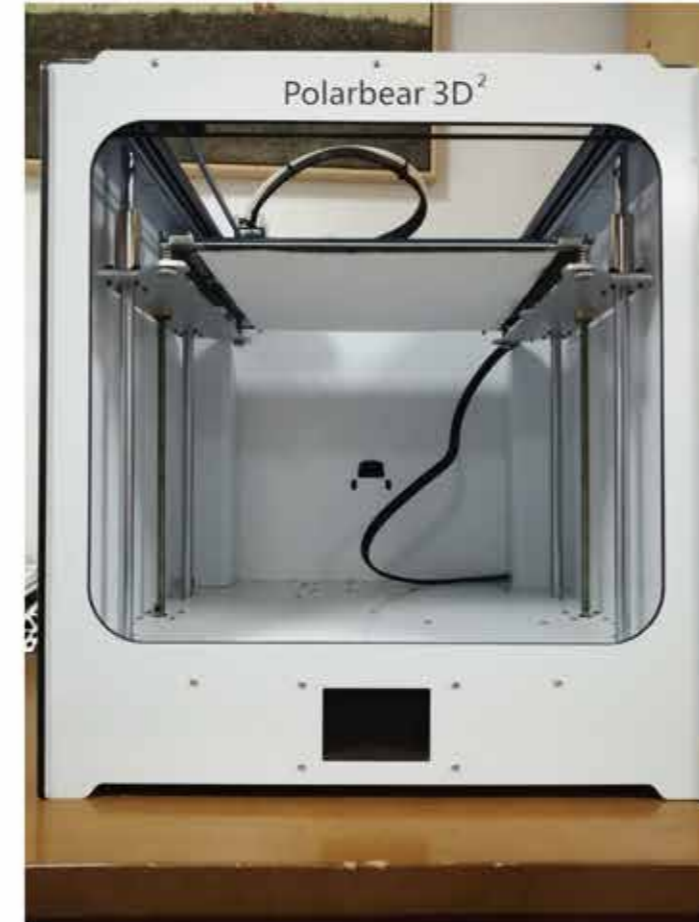
# AUTOMOTIVE PARTS



## ASSEMBLING AND TESTING

Weser has the capability of 3D printing technology. This rapid prototype technique is widely used in automobile, aerospace, AEC, medical, civil engineering industry and etc. Through stacking the plastics together, products especially non-standard ones can be manufactured with high-efficiency. Thus, this equipment helps customer increase productivity and reduce the production cost. High purity is guaranteed using materials imported from the United States without waste and recycled materials. The printing speed of machine can reach to more than 300m/s, printing precision of which can reach up to 0.1mm.

Product performance: High precision without edge surface upwarping and bubbles, low shrinkage rate and fluidity, high toughness and low weight.  
Applied materials: PLA/ABS/PC/PCTG/WOODINESS/PETG...



# WESER TEAM



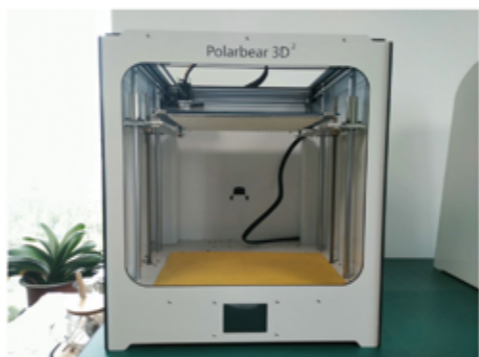
# IATF16949 CERTIFICATIONS



# IATF16949 CERTIFICATIONS

List of Testing Equipment

No.	Type	Equipment Code	Equipment Name	Specification
1	Measuring Tool	EA500957	Dial Caliper	200mm
2	Measuring Tool	403011598	Digital Caliper	150mm
3	Measuring Tool	NJ1808161128	Digital Depth Gauge	200mm
4	Measuring Tool	8079091	Dial Bore Gauge	18-35mm
5	Measuring Tool	8-64537	Dial Bore Gauge	35-50mm
6	Measuring Tool	WE-CL-0001	Outside Micrometer	0-25mm
7	Measuring Tool	WE-CL-0002	Outside Micrometer	25-50mm
8	Measuring Tool	WE-CL-0003	Band Tape	7.5m
9	Measuring Tool	2017121067	Imagine Measuring Instrument	150*100
10	Measuring Tool	6608050000	Digital Height Gauge	200mm
11	Measuring Tool	0086371	Digital Caliper	200mm
12	Measuring Tool	14070527	Digital Caliper	300mm
13	Measuring Tool	1804	Electronic Scale	200g-30kg
14	Measuring Tool	SH400	Kitchen Scale	1g-3kg
15	Measuring Tool	18101005	Surface Roughness Gauge	
16	Measuring Tool	371166465	Pointer Type Shore Hardness Tester	LX-c
17	Measuring Tool	QuaNix4200/4500	Film Thickness Gauge	Fe:0-3000µm/Nfe: 0-3000µm
18	Plug Gauge	M10	Plug Gauge	M10 6H
19	Plug Gauge	JB-T10865	Plug Gauge	5/16 -18 UNC 2B
20	Plug Gauge	JB-T10865-2008	Plug Gauge	8-32 UNC-3B
21	Plug Gauge	JB-T10865-2017	Plug Gauge	1/8-27NPTF L3
22	Go-No Go Gauge	JB-T10865-2008	Plug Gauge	8-32 UNC- 2B
23	Radius Gauge	WE-CL-0004	Radius Gauge	0.3mm-1.5mm
24	Radius Gauge	WE-CL-0005	Radius Gauge	1mm-6.5mm
25	Radius Gauge	WE-CL-0006	Radius Gauge	7mm-14.5mm
26	Radius Gauge	WE-CL-0007	Radius Gauge	15mm-25mm
27	Radius Gauge	WE-CL-0008	Radius Gauge	25mm-50mm
28	Radius Gauge	WE-CL-0009	Radius Gauge	52mm-100mm
29	Ring Gauge	N010-32UNF	Ring Gauge	1-5 2A
30	Measuring Tool	211-101	Digital Micrometer	0-25mm
31	Testing Equipment	BLES-60Z	Precision Salt Spray Tester	BLES-60Z

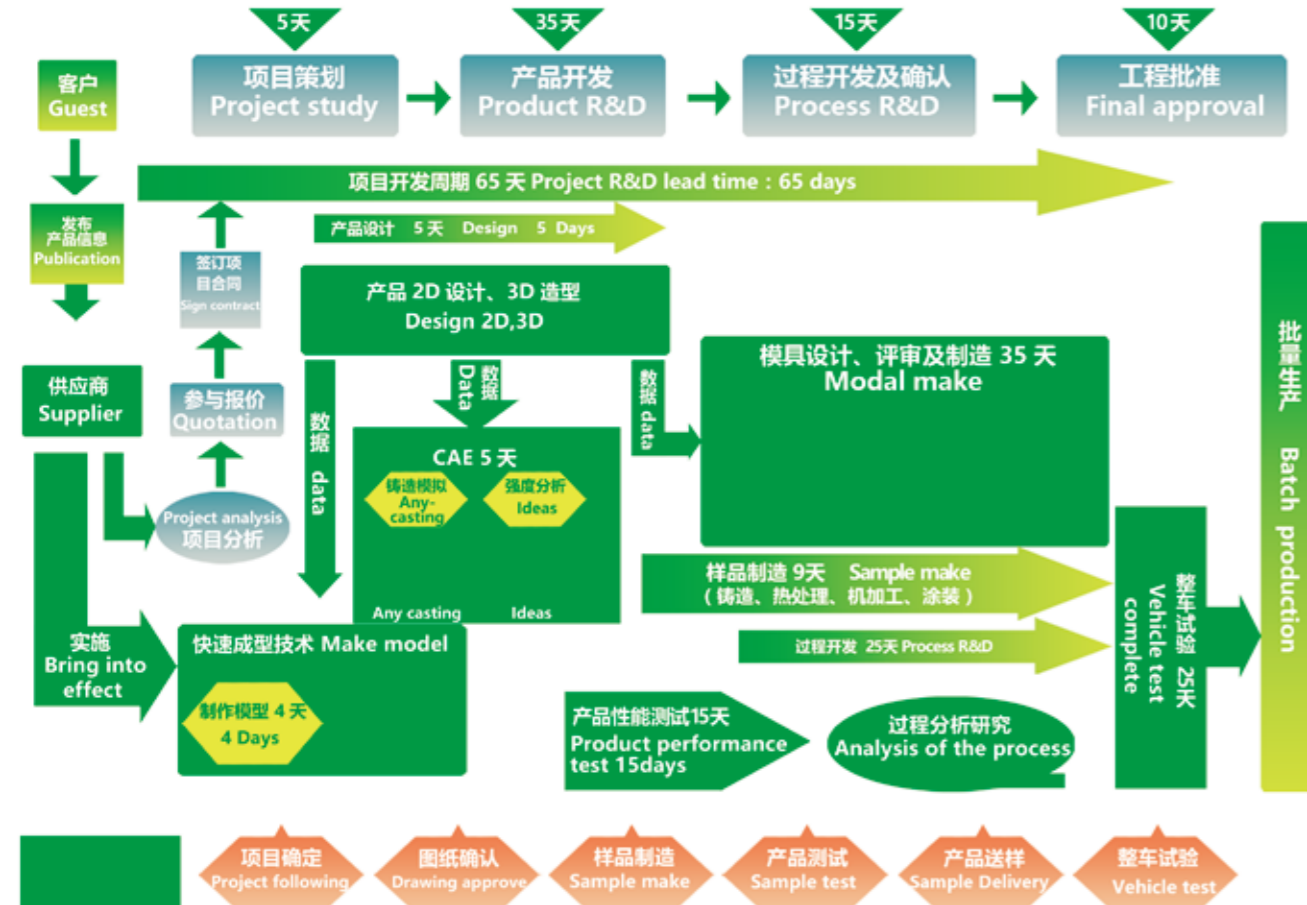


# STATE-OF-THE-ART FACILITY



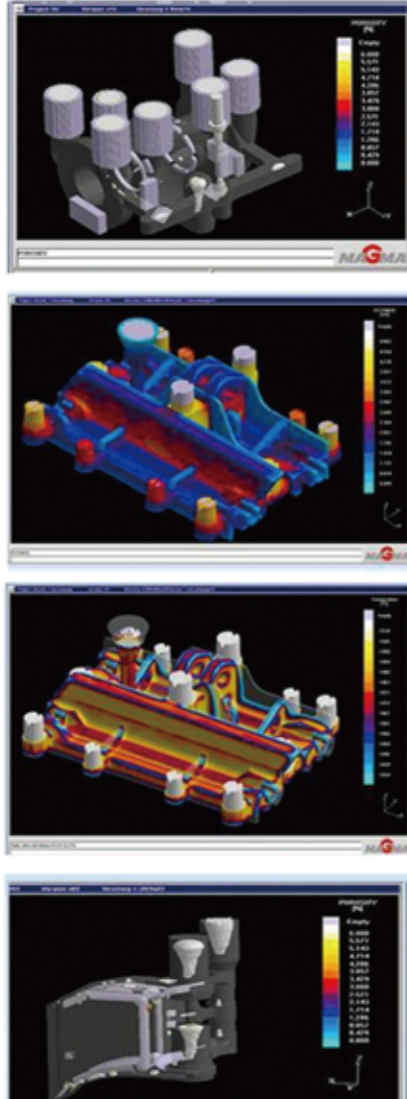
# TOP-NOTCH ENGINEERING

项目开发流程图 Project Development Flow chart

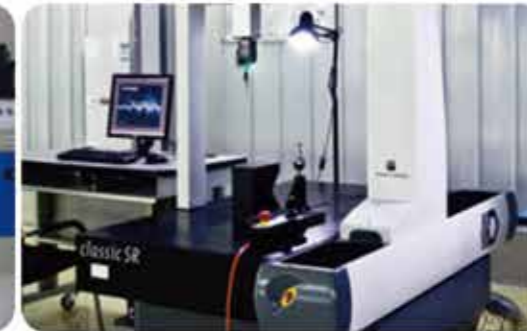
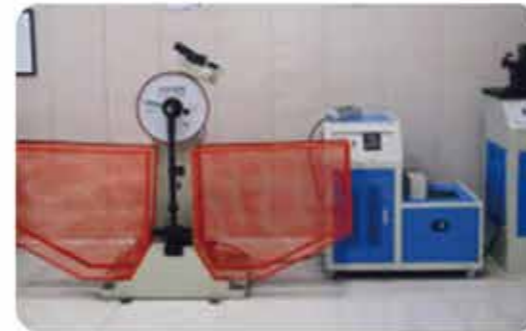
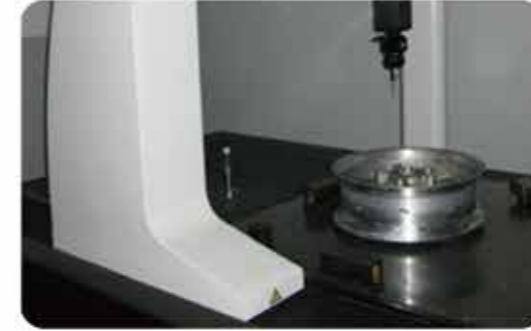


CAD/CAE/CAM    CATIA UG-NX    PRO/E Finite Element Analysis  
 PROCASTING    POWERMILL    Rapid Prototype    3D Printing

Computer simulation design



# FULL INSPECTION



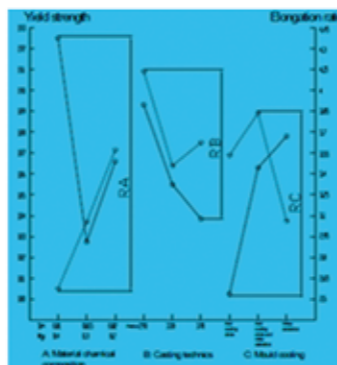
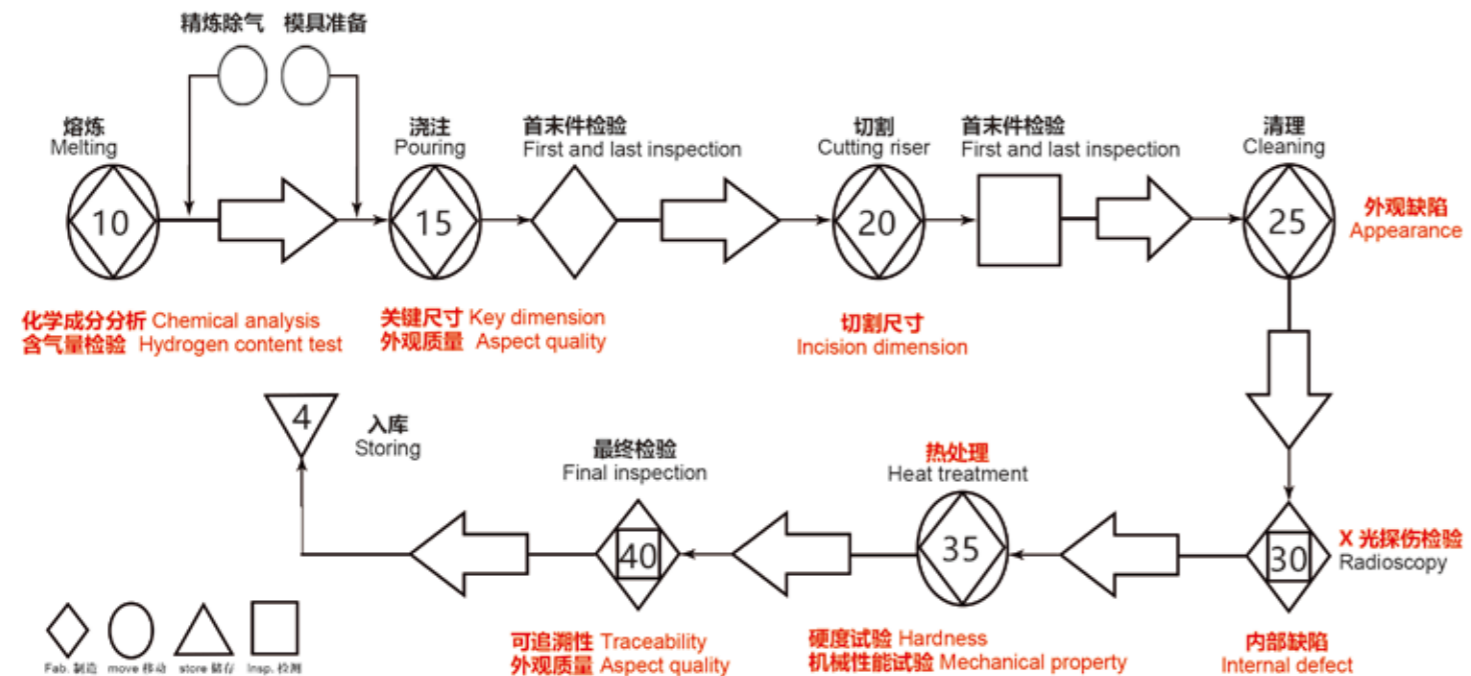
- Hardness Test
- Text spectrum
- Air tightness test
- Tensile test
- Impact test
- Metallographic test
- 3R inspection
- X-ray inspection
- 3CMM
- Balance test
- Fatigue test
- Salt spray test
- Vision measuring
- Roughness test



3R INSPECTION BEFORE SHIPMENT

# ADVANCED MANAGEMENT

Turn-key Solution 5S 6 Sigma DFEMA/PFEMA/CP PPAP SGS,BV,TUV Eco-friend,RoHS  
ISO 9001/IATF16949/ISO14000 Project management 95% on-time delivery



Audit Results	
Area	Compliance
Manufacturing Plant	100%
Quality Dept	100%
Inventory Dept	100%
Technology Dept	100%
Other Dept	100%

# POWERFUL CAPACITY





# PACKAGING AND SHIPMENT



# CLIENTELE



# WESER KNOW-HOW

收件者: eva.liu <eva.liu@weser.co>  
抄送: aligthart <aligthart@weser.com>  
時間: 2017年6月3日 (周六) 04:49  
大小: 2 MB

Hi Eva,  
Today received the parts and they look great and the different finishes are all quite nice. Thank you for the variety. Tuesday will be at the customer (Monday).  
When you get a chance, I would love to have a picture of the mold tooling for this extruder.  
Only minor feedback are a few small issues. But other than that thanks for taking care of us. For sure when qty's are higher it is easier to address.  
Have a good weekend and will talk to you on Monday.  
Met vriendelijke groet / Best regards

**Paul Willems**  
AP2PM BV  
T: +31 89 200 0000  
E: pw@ap2pm.com  
W: www.ap2pm.com

From: Tom Shem  
Date: 2017-06-16 05:01  
To: Eva Liu From WESER QINGDAO  
CC: Mei Ting, Tim Costa  
Subject: Previous PO 1010550

Eva,  
Our customer on the 3 eyebolts, PO 1010550, like them and want to order 5,000 pcs of each. Please let us know if you can help.

Thanks

Tom Shem  
TNT Global USA  
15349 E. 127th St.  
Lemont, Illin 60439








发件人: Marc Gonfiotti <marcgonfiotti@gmail.com>  
收件人: sales <sales@weser.co>, Bryant Bertrand <bryantbertrand@gmail.com>, eva.liu <eva.liu@weser.co>, maggie <maggie@weser.co>  
时间: 2018年12月12日 (周三) 02:15  
大小: 12 KB

Everyone,  
The last batch of 100 Cinches we received have been perfect. They work great and assembly exactly how they are supposed to. Just wanted to thank you for correctly the issues we have had. Just wanted to say keep doing what your doing currently on the Cam Cinch and we should be smooth sailing. Thanks again getting the issue corrected, it is very much appreciated.

Best Regards,  
**Marc Gonfiotti**  
Ronin Revolution Corp. – CTO  
O: +1 657-444-2557 600 S. Jefferson Street  
M: +1 909-802-4083 Placentia, CA 92870 U.S.A.  
Email: marcg@changeyourelevation.com  
Website: www.changeyourelevation.com

- Daily offer to 30 RFQs.
- English, German speaking salesman 24H online
- Response any email within 12 hours.
- 5 exhibition worldwide annually
- Call on clients regularly
- Talk to us on Skype, Facebook, Twitter, Google+, Wechat, Weibo, QQ anytime
- Customer satisfaction: 98%
- PPAP

- Target for 2019
- Customer satisfaction: > 98%
- Customer complaints: 0-3
- Quality target: 100%
- One time qualification rate of samples: > 90%
- Qualified rate of batch production: 100%
- Quotation timeliness rate: > 90%
- VIP customers: 0-3 days, new customers: 1-5 days
- Quotation accuracy: > 98%
- Annual quotation error: within 3 times
- On time delivery rate: > 95%
- Continuous order delay: 0, new order delay: within 7 days
- Sales: US \$4 million
- Successful development of new customers: > 16
- Successful development of new suppliers: > 10

	 Standard Items & Non-standard Items	 DELIVERING ON TIME	 Refund or Replacement for Any Product faulty
 LOW PRICE HIGH QUALITY NICE SERVICE GREAT CREDIT	 New Product into Range Everyweek	 Comprehensive Production Lines	 100% Inspection Before Shipment

# CUSTOMER APPRAISAL