DENSEN GROUP

Densen Group

To Be World Class Industrial Solutions Provider

Index

1 About Densen Group

2 What Densen Group can do for you

3 Densen Group’s sub-factories and Strategic partners

4 Densen Group’s reference customers

5 How Densen Group do quality control

6 Densen Group’s mission, version and values



About Densen Group

01

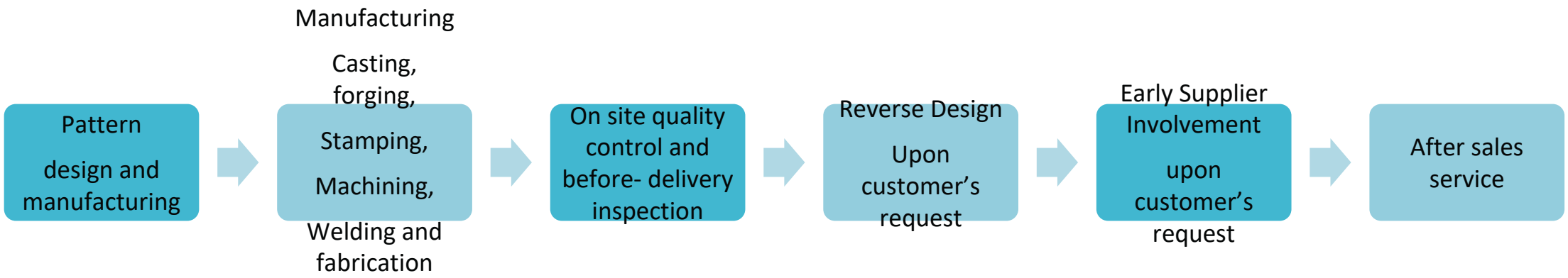
PART

About Densen Group

brief introduction

Until 2020, Densen Group (Registered code 91210106MA10BG811L, Registered capital 7M dollar, H.Q. located in Shenyang, China） has 5 sub-factories, and 1 marketing and sales company, is the leading supplier who can provide one stop purchase service in the fields of customized metal components in the north of China.

Densen Group’s service scope as below:



About Densen Group

brief introduction

Densen Group has more than 28 years manufacturing experiences and 12 years direct export experiences.

50% of Densen Group’s products have been sold to top 500 listed customers in the field of forklifts, agricultural, medical, aerospace, catering, automobile, train, oil & gas, construction, resources, etc. such as Bridgestone, GM, Siemens, CRRC, Toyota, Fastenal, Hyster-yale, Caterpillar…

Turnover of Densen Group in 2019 is 28M dollars. Total employees is around 800.







About Densen Group

brief introduction

With the business expanding, Densen Group also has more 50 sub-contractors widely located in different areas of China to support us to offer below services to customers:





What Densen Group can do for you

02

PART

Casting process

Inverstment casting







Sand casting







Permanent mold casting







Casting process

DENSEN GROUP

Main process	Description	Limit				Material				Manufacturers	
		Tol.	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Special (Cobalt base)	Sub-factories	Sub-contracto
Investment casting	silicon glue	CT4-6	0.05-100	ISO 8062	3.2-6.3	√		√		√	√
	water glass	CT7-9	0.1-100	ISO 8062	12.50	√	√			√	√
Sand casting	Green	CT11-14	0.5-1000	ISO 8062	50-100	√	√	√		√	√
	Resin	CT10-13	1-100000	ISO 8062	25-50	√	√	√		√	√
	Water glass	CT10-13	1-500	ISO 8062	25-50	√					√
	Lost foam	CT8-10	5-5000	ISO 8062	6.3-25	√	√				√
	ESR	CT12-14	500-10000	ISO 8062	50-125	√					√
	Shell molding	CT8-10	0.1-100	ISO 8062	6.3-12.5	√	√			√	√
Permanent casting	Die casting	CT6-8	0.05-50	ISO 8062	3.2-6.3			√		√	√
	Gravity casting	CT8-10	0.1-20	ISO 8062	6.3-12.5			√		√	√
	Low pressure casting	CT8-10	5-500	ISO 8062	6.3-12.5			√		√	√

Forging process

Open die forging









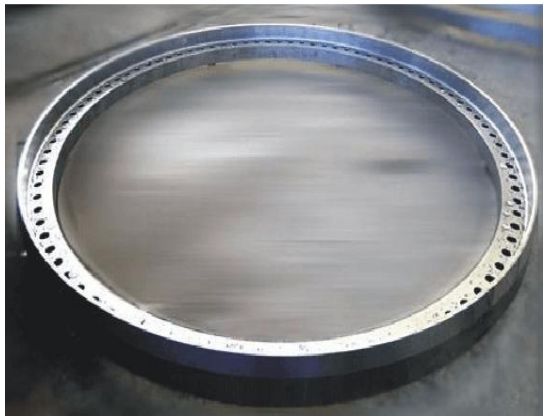


Closed die forging











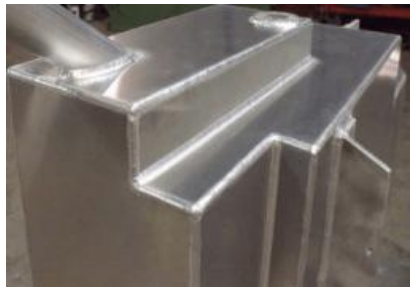
Forging

Main process	Description	Limit				Material				Manufacturers	
		Tol.	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Special (Cobalt base)	Sub-factories	Sub-contractors
Forging	Open die forging	Grade E	1-50000	GB/T 15826	25-50	√		√		√	√
	Closed die forging	Precision grade	0.1-100	GB 12362	12.5-50	√		√		√	√

Welding & Fabrication process

Welding



















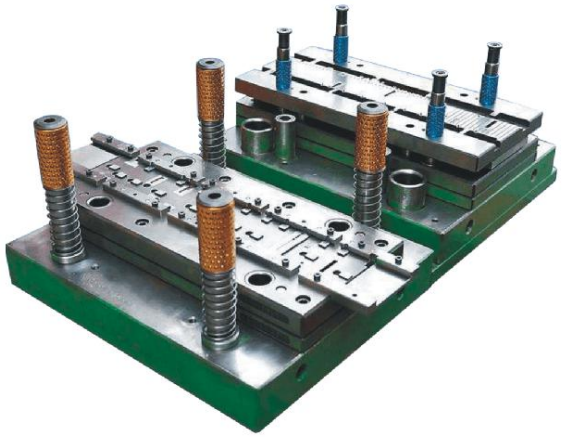
Welding and fabrication

Main process	Description	Limit				Material				Manufacturers	
		Tol.	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Special (Cobalt base)	Sub-factories	Sub-contractors
Welding and fabrication	Manual welding	B	5-20000	GB/T 19804		√				√	√
	Robert welding					√				√	√

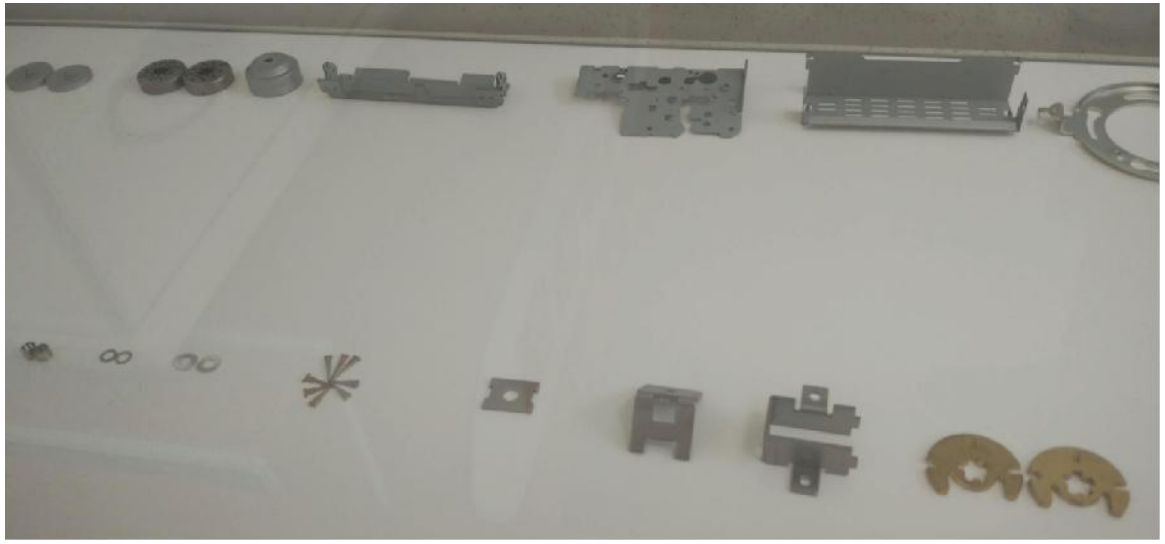
Stamping process

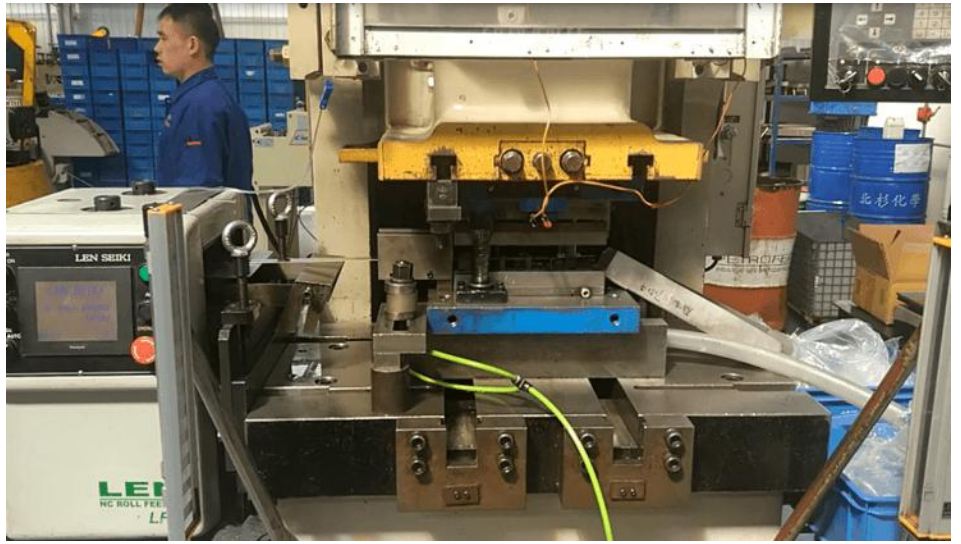
Stamping









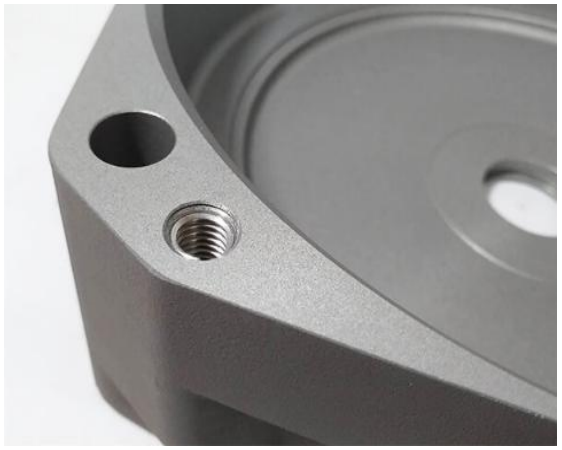


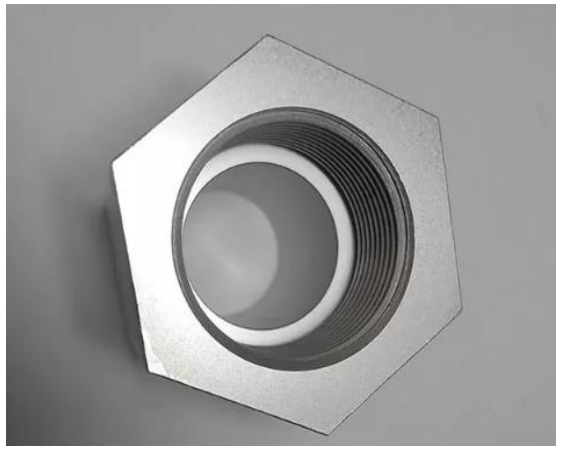
Stamping

Main process	Description	Limit				Material				Manufacturers	
		Tol.	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Special (Cobalt base)	Sub-factories	Sub-contractors
Stamping	Stamping	ST6	0.01-50	GB 13914		√					√

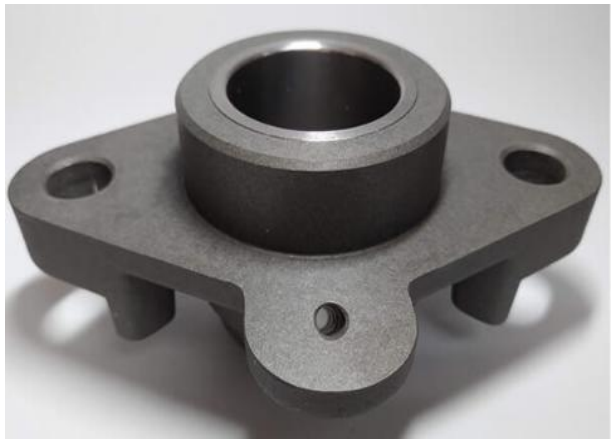
Machining process

Machining











Machining

Main process	Description	Limit				Material				Manufacturers	
		Tol.	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Special (Cobalt base)	Sub-factories	Sub-contractors
Machining	Proof machining	0.01	0.001-100000		0.10	√	√	√		√	√
	Precision machining						√			√	√
	Various cutting	0.5	0.1-1000		1.6-12.5	√	√	√		√	√

Other processes

Main process	Limit				Material			Manufacturers	
	Tolerance	Single part weight Kg	Tolerance standard	Roughness(Ra)	Steel	Iron	Non-ferrous alloy	Sub-factories	Sub-contractors
Innner hydraulic pressuring	Special shape pipes	1.0-20			√				√
Sinering	±0.1mm	0.01-0.1		0.4-1.6	iron based alloy, copper based alloy, nickel based alloy, cobalt based alloy				√
Heat treatment					√	√	√	√	√
Surface treatment					√	√	√	√	√

Heat treatment processes incl.: Annealing, quenching, tempering, normalization, aging, solution treatment, case hardening, induction heating, nitriding, nitrocarburizing, etc.

Surface treatment processes inc.: Zinc, Nickel, Chrome, Zinc-chrome base plating, blackening, oxidation treatment, polishing, pickling, blasting, grinding, painting, etc.



Densen Group's Sub-factories

03

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Densen casting

brief introduction

Reference customers: Bridgestone, Fukuyama, Cascade; 100% products sold to overseas.

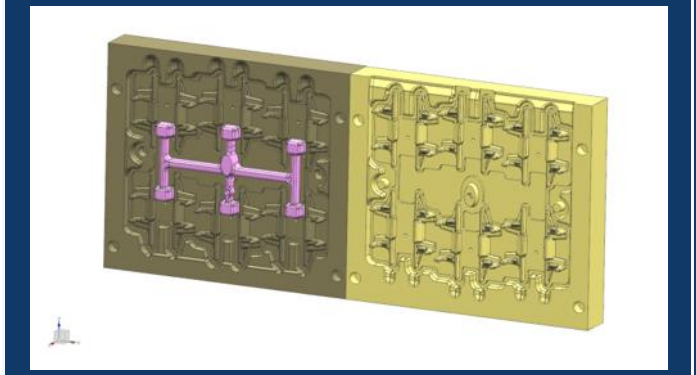
Features:

1. The only foundry in China who can provide qualified iron casting core metals which take place of steel castings for Bridgestone.
2. Production line was set up by Japanese team.
3. 3 casting processes: shell molding casting with sand box, shell molding with steel box, resin sand casting.
4. Good at overlaying shell molding casting, suitable for products with bigger quantity and simple shape such as lower hooks of forklift attachment, metal cores for rubber track. Surface and tolerance better than green casting auto line; cost lower than traditional shell molding process.
5. In-house Pattern design, and manufacturing. Lifetime for pattern.
6. Nodularity rate 90-95% for regular products.
7. Established in 1992, plant area 14,000 m2, workers 150.
8. Annual capacity: annual capacity 6,000 tons
9. Certificates: ISO9001-2008
10. Location: Shenyang

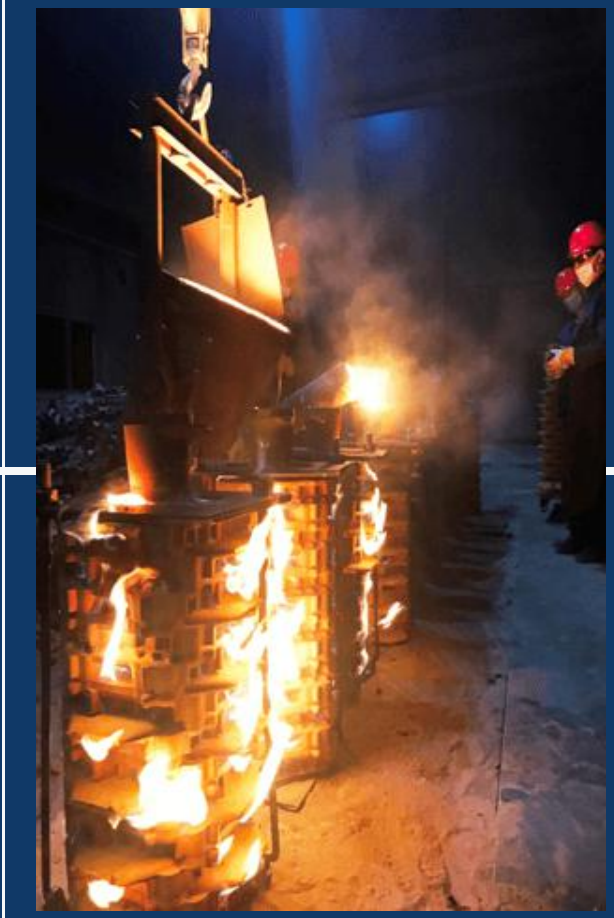


Densen casting

Pattern making, shell molding, and pouring











* Shell moldings can be surrounded by sand box, or steel box in Densen Casting

Densen casting

Blasting, heat treatment, and inspection







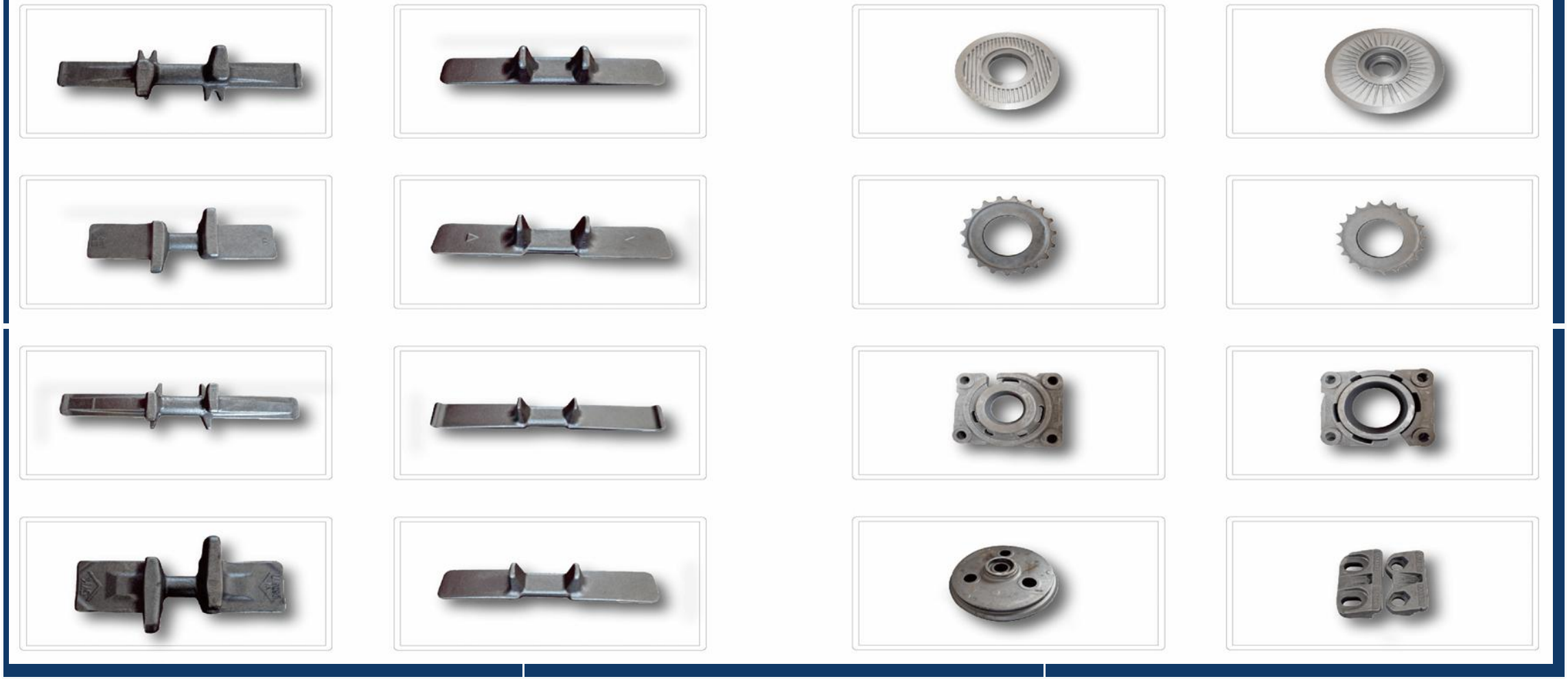




* Material controlled by pre-furnace analysis instrument & spectrometer; dimensions controlled by gages & CMM

Densen casting

Reference products



Densen-Lantian

brief introduction

Complete processes from pattern design/making, casting, heat treatment, machining, surface treatment made by self; 100% products sold to overseas.

1. **Established in 1997, annual capacity 600 tons for investment casting (silicon sol), 4000 tons for lost wax casting (water glass).**
2. **Complete investment casting processes in house to satisfy different customers' request, such as silicon-sol casting, water glass casting, silicon-sol and water glass mixed casting.**
3. **Has manual molding and auto wax injection & molding line separately to satisfy different products' request water glass casting process.**
4. **Rich experiences in machining and shape correcting flat/complex products.**
5. **Material handled incl. carbon steel, alloy steel, stainless steel. Weights handled from 0.05Kg-100Kg.**
6. **Material warranty lifetime includes properties and inside quality.**
7. **ISO certificated.**



Steel casting-silicon sol casting factory



Steel casting-water-glass casting factory

Densen-Lantian



Wax injection



shell—coating



drying



dewaxing



pouring



material testing

* Lantian provide silicon sol casting with middle temperature only, water glass process with ammonia chloride, aluminum chloride separately. Wax injection & shell molding process operated by auto or manual separately.

Densen-Lantian



Blasting



heat treatment



machining



defects detection



Dimensional inspection



Visual inspection

* Lantian: PT, MT, UT can be done in house, RT will be done by 3rd party.

Densen-Lantian





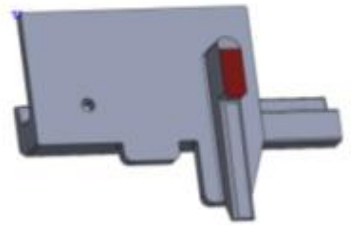


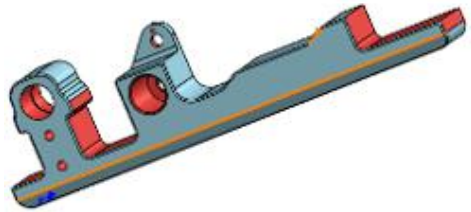



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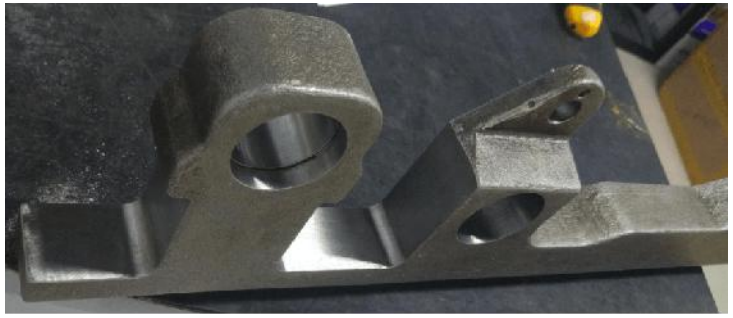
Densen-Lantian









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Densen-Mingdao

brief introduction

- Original from YH Jiche, has 150 employees, and 25 years experience.
- Strong R&D capability
- Specialize in aluminum metal mold gravity casting, high/low die casting, and precise machining
- Annual Production around 5000 tons. Casting range from 0.1kg to 100kg
- Audited by expertise from CRRC, designated supplier of aluminum casting components for Air Braking System.
- Reference customers: CRRC, Honeywell
- Certificated By ISO9001

Die casting
Gravity casting
Low pressure casting
machining



Densen-Mingdao













Machining Machine: CNC centers (12 sets), CNC Lathe (25 sets), CNC Milling Machines, Meter Lathes, Drilling Machines, Milling Machines, Sawing Machines, Grinding Machines, Polishing Machines, shape correcting machines, pressure test equipment…

Densen-Mingdao

Color label and heat number used the same time to identify raw material.







Casting Machine: Melting furnace, casting machine,
Automatic Robot casting platform, heat treatment hardening furnace, aging furnace, etc.

Densen-Mingdao













Inspection facilities: Spectrum analyzer, X ray machine, Universal tensile machine, Brinell hardness, Metallographic Analyzer, CMM, 3D scanner, various measure & checking tools, etc.

Densen-Mingdao



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MC casting



Caliper casting



suspension arm casting

Densen Forging

brief introduction

<u>Designated supplier of Bridgestone for 12 years. Production line was set up by Japanese team. 100% products sold to overseas.</u>

Established in 2007, annual capacity 5000 tons, workers 50.

Equipments: 3 tons closed die hammer, 1 ton closed die hammer, 500Kgs open die hammer, 300Kgs open die hammer, quenching and tempering system.

Certificates: ISO9001-2008

Closed die forging quenching & tempering



Densen forging—Heat treatment



Densen forging--Inspection













Densen-Wanrun

brief introduction

- **Established in 2002, has workers 80.**
- **100 sets precise machining machines incl. 28 sets CNC centers, 45 sets CNC lathes, CNC millings, etc.**
- **100% products sold to overseas. Main markets are Japan, Israel, Germany, USA.**
- **0 complain from customers within recent 3 years.**
- **ISO9001:2015 certificated.**



Densen-Wanrun Workshop







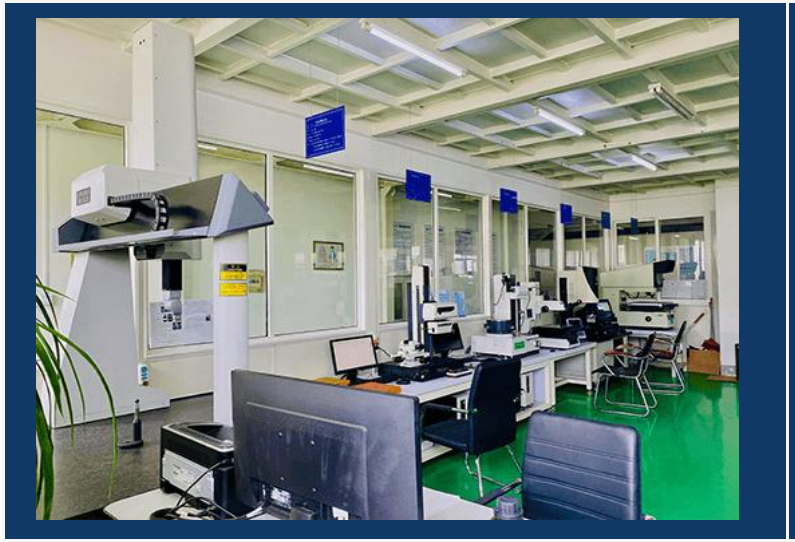


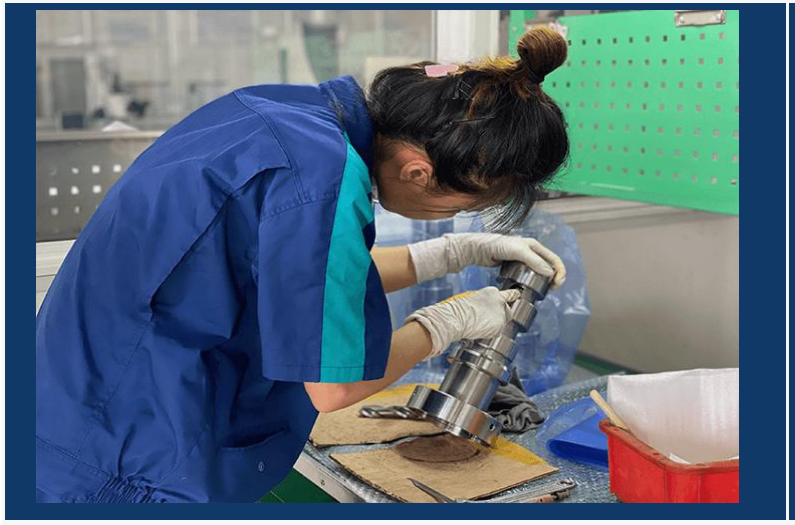




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Densen-Wanrun Inspection



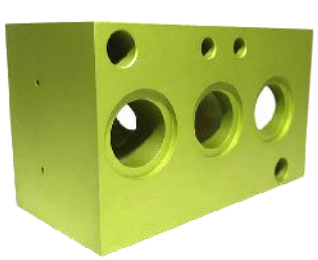





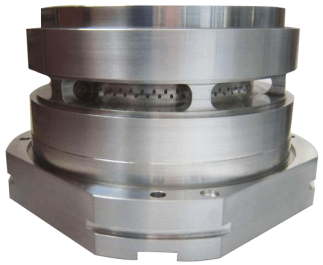
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Densen-Wanrun

















To Be World Class Industrial Solutions Provider



Densen Group’s Strategic partners

02

PART

Hongyang—Strategic cooperation factory

brief introduction

<u>Regular products more than 1000 types. Good at iron machining. Reference customers GE, Cascade, etc.</u>

Established in 1993, factory area 10,000 square meters. Yearly casting capacity 3,000 tons. Employees 180.

Machining ability: Turning/milling CNC center, horizontal CNC center, Vertical CNC center, Boring, turing, milling, drilling, etc.

Has 4 workshops: **coated sand casting, hand made green/resin sand casting, auto green sand casting production line, machining.**

100% products sold to overseas market

Certificates: ISO9001-2008

Iron Sand casting Machining



Hongyang--Workshop



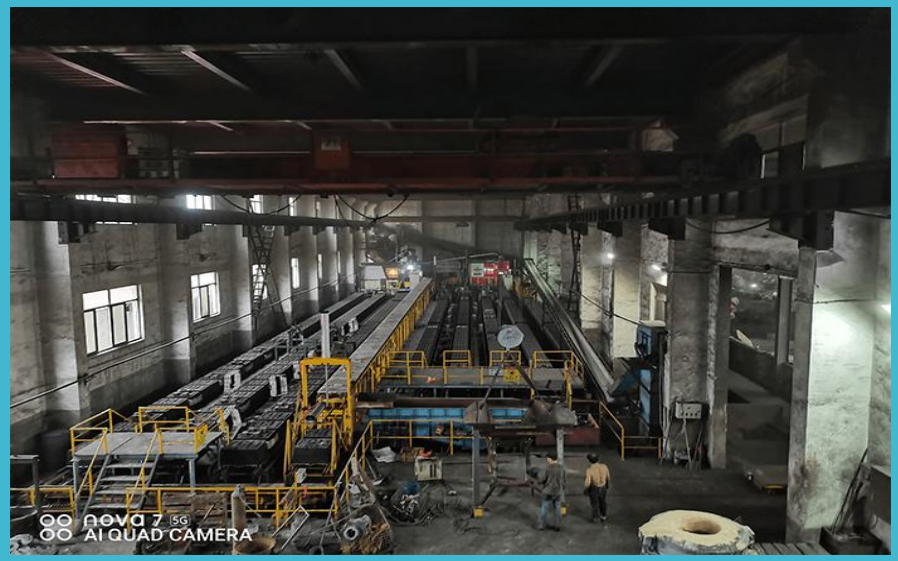






Hongyang—Workshop









Xinbaolu—Strategic cooperation factory

brief introduction

- **<u>Repeat tolerance can be maintained is 0.02mm.</u>**
- Established in 1997, factory area 58311.3 m^2, registered capital 12 million dollars.
- Has 3 workshops: big parts machining shop, precision machining workshop, stamping workshop.
- More than 60 precision machines incl. CNC center, boring, milling, lathing, etc. More than 300 inspection instruments incl. 3 sets CMM with grade μm.
- Certificates: ISO9001-2008; ISO/TS16949

Stamping
machining



Xinbaolu—Strategic cooperation factory

Big parts machining workshop

Densen-XBL has more than 60 precision machines incl. CNC machining center, boring, milling, lathing, etc., and more than 300 inspection instruments incl. 3 sets CMM with grade μ. Repeated tolerance can be maintained as 0.02mm. Specialized in high precision machining and stamping for small-middle-big metal components. Products widely used in aviation, metallurgy, automobile, wind turbine, machine tool fields, etc.

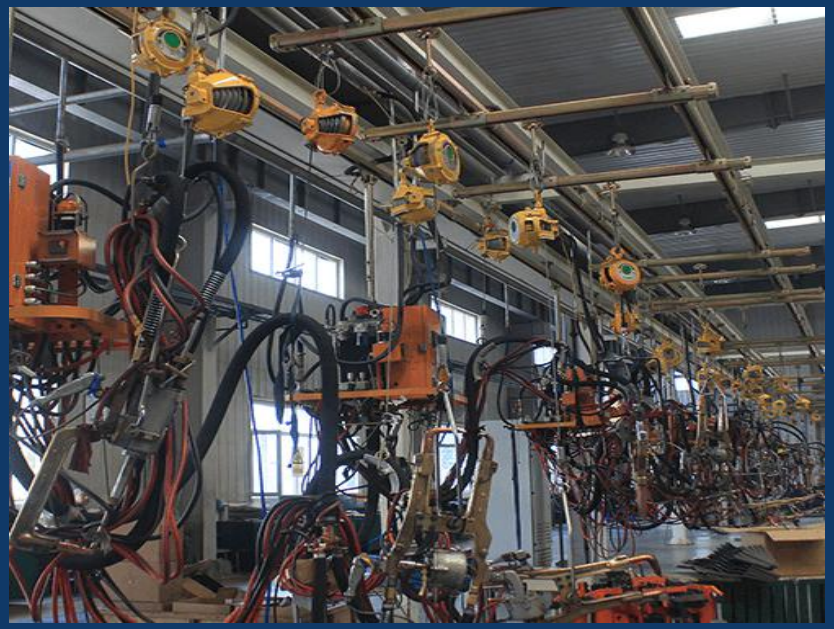






Middle-small parts machining workshop, stamping workshop

Xinbaolu—Precision machining workshop





Middle-small parts machining workshop

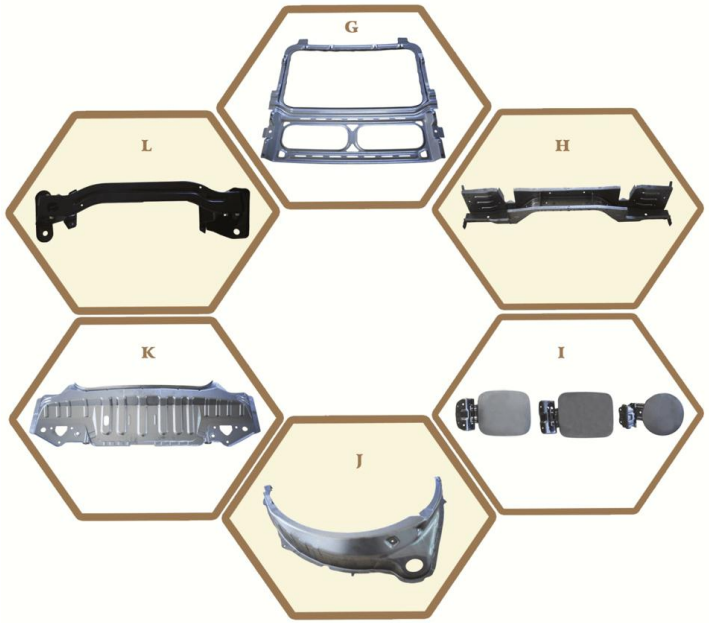






Xinbaolu—products collection







Zhuduan—Strategic cooperation factory

brief introduction

- **Country grade steel sand casting factory**
- Established in 2007
- Single parts weight range can be handled: 50Kg to 240 tons.
- Has AOD furnace and country grade lab
- Material can be handled: carbon steel, alloy steel, duplex stainless steel, heat-resistant alloy steel, etc.
- Certificates: ISO9001-2008

Steel sand casting
1st grade heat treatment ability
Country grade lab



Zhuduan—Workshop and Lab



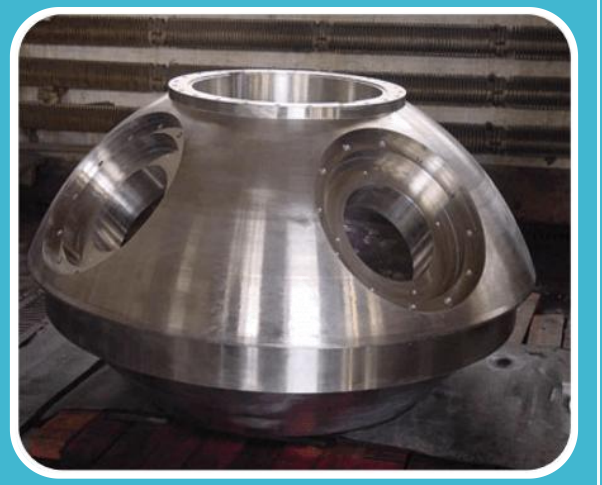


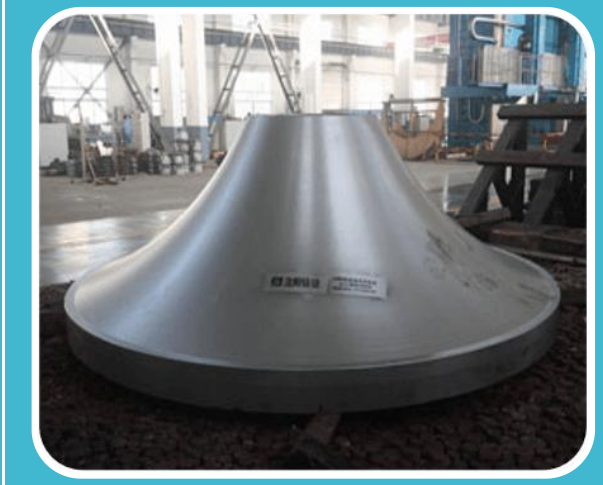




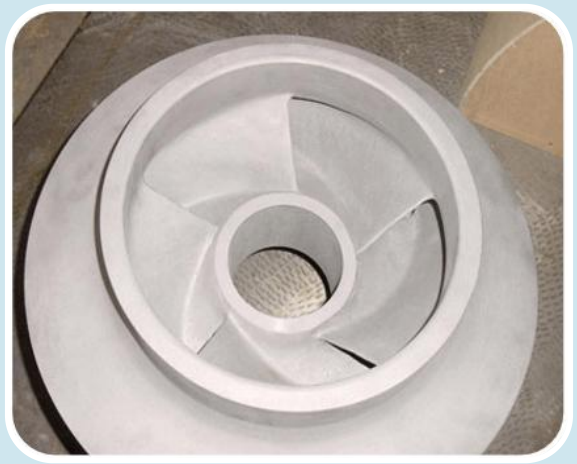


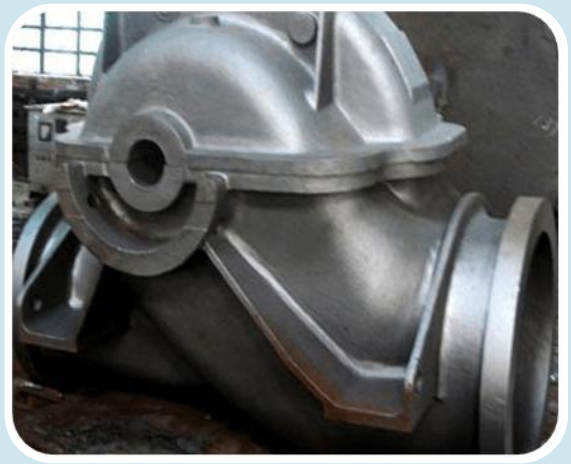
Zhuduan--products collection













Kailong—Strategic cooperation factory

DENSEN GROUP

brief introduction

- Established in 2006 with Factory area 55000 m^2, registered capital 5 million RMB. **Annual capacity 60 thousand tons.**
- Biggest hydraulic pressure 3600 tons, smallest hammer 400 Kg.
- Biggest unit weight can be handled 20 tons. Biggest unit length 15 meter.
- Certificates: ISO9001-2008

Open die forging
Machining
Fabrication



Kailong--Forging Workshop

Densen-KL Forging factory has complete equipments, including gas producer, heating furnaces, hydraulic presses, hammers, ring rollers, and correspondent machining equipments. Biggest single forgings made can reach 30T or 15m length for shaft type parts, and 8m diameter for ring type parts







3600T, 2000T, 800T, hydraulic pressure foring equipments

Kaillong-- products collection

Axles and Shafts










Wangda—Strategic cooperation factory

DENSEN GROUP

brief introduction

- **Best welding and fabrication skill factory in Shenyang**
- Established in 1992 with Factory area 40000 m2, fixed assets 16 million dollars. Annual capacity more than 10 thousand tons.
- Have independent blanking, welding, fabrication, machining, heat treatment, blasting, painting workshops. Machining workshop have various CNC milling, turning, boring, grinding, drilling machines, etc.
- Certificates: ISO9008-2001

Welding Machining



Wangda--Workshop













Wangda--Workshop









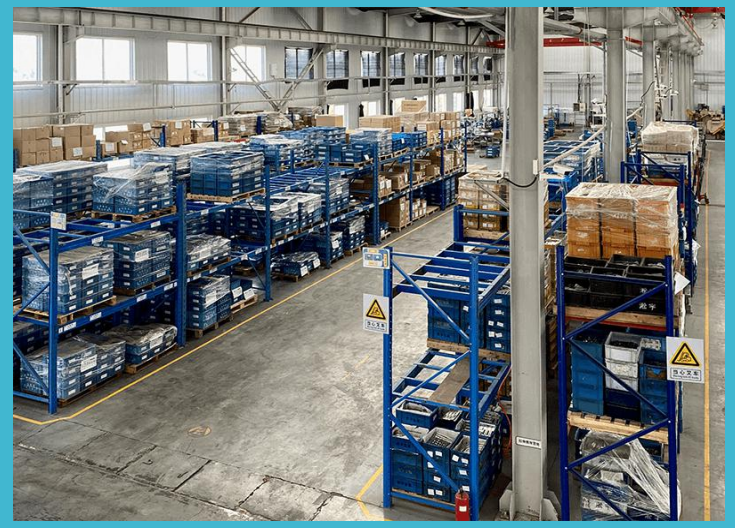




KSL-stamping factory for smaller size parts













DZ-shell molding sand casting and machining factory







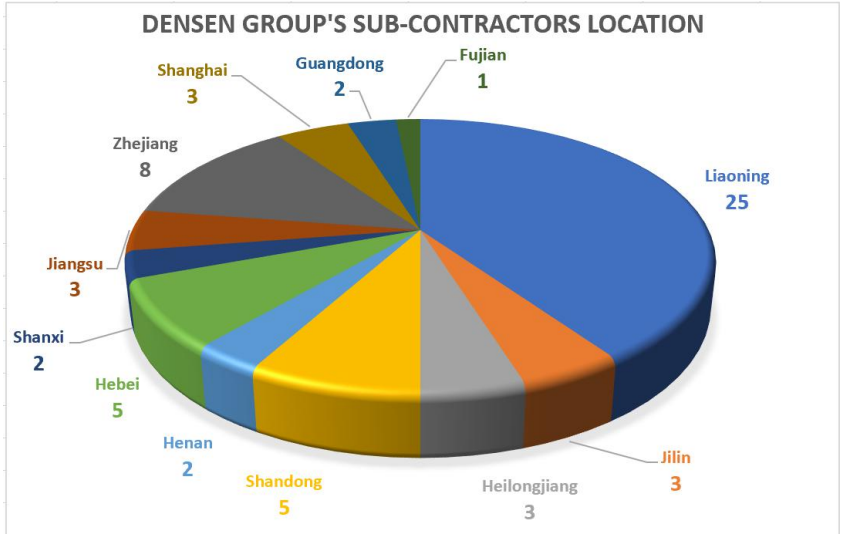


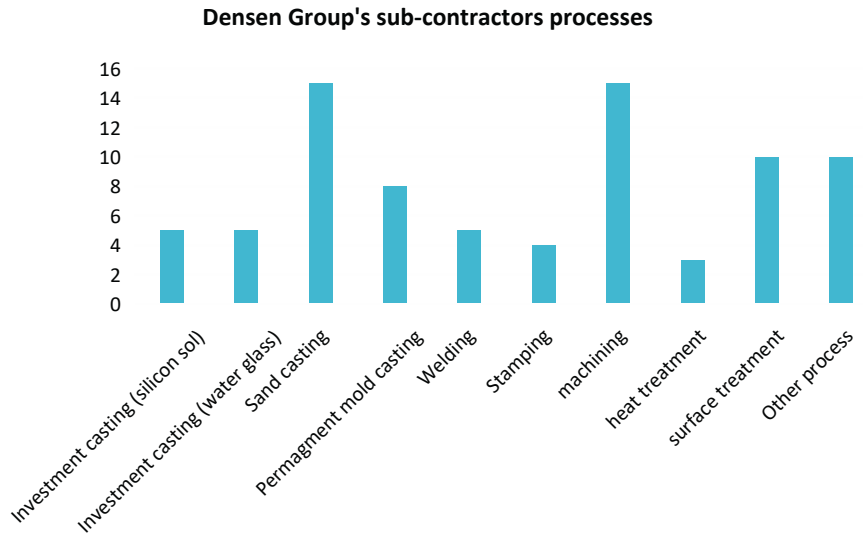




Map of Densen Group's 50+ sub-contractors







Aim to be customer's one stop purchasing supplier in the world of OEM metal parts



Densen Group’s reference customers

04

PART

Reference customers



Locomotive Parts



Mining Machinery Parts



Excavator Crawler Parts



Car parts



Agriculture Machinery Parts



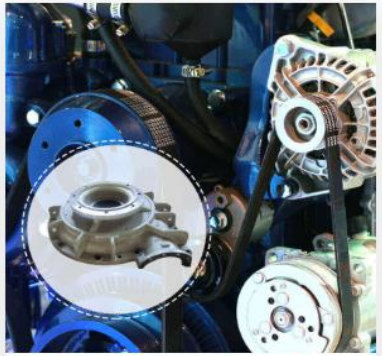
Swimmingpool System Parts



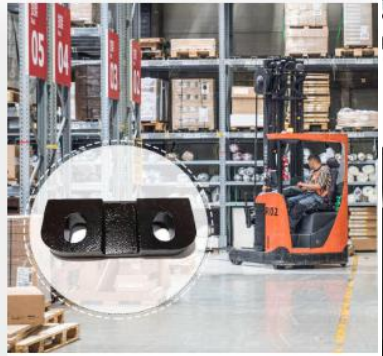
Couplings



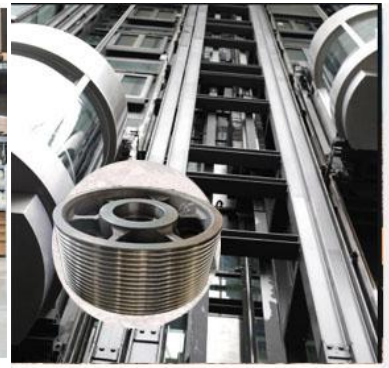
Medical Equipment Parts



Pump&Valve and Parts



Forklift&Forklift Attachments



Elevator Accessories



Solar Industry Parts

customers in various fileds: anyWhere needs the customized metal parts

Reference customers



Total customers of Densen Group: 300+, widely located in North America, Europe, Asia.



How Densen Group do quality control

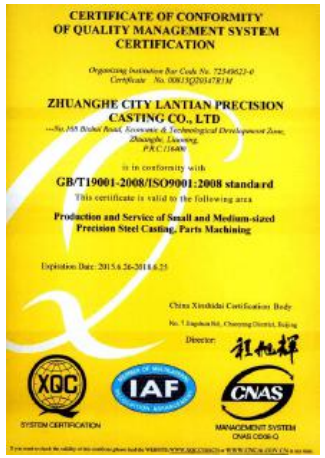
05

PART

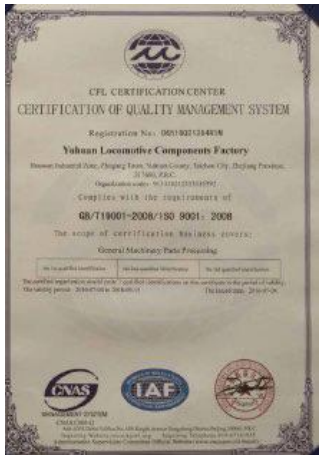
Quality control system

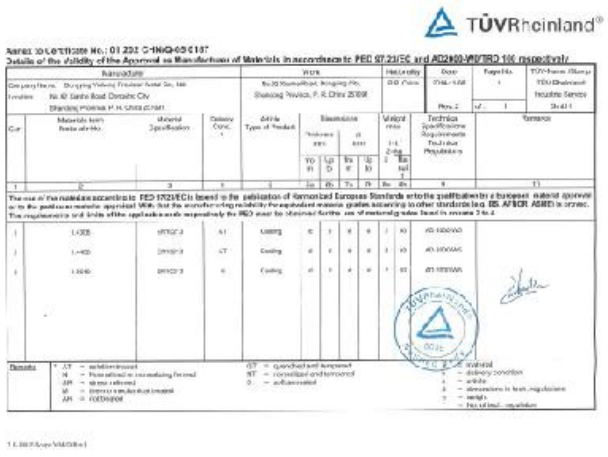
All 50+ factories are ISO 9001:2015 certificated
5 factories are TS16949 certificated





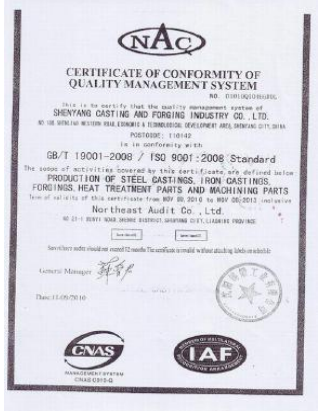












Quality control system

Shenyang New Densen Casting and Forging Co., Ltd.
www.sydensen.com

Address: Floor 14, New Fortune Mansion, No. 30 Xinghua Bei Street,Tiexi District., Shenyang, 110021, China
Telephone: +86 25154286 Fax: +86 25133976 Email: diana@sydensen.com;echo.huang@vip.163.com

Quotation Sheet

Reference Number: QT/SDS/DIA/TC201705 Customer's Ref. No.:00054557GA
Date: 2017/4/25 Quoted by: Diana

With reference to your recent enquiry,we hereby quote as follows:

S.N	Drawing No.	Description	Material	Material wt. Kg	Finished wt. Kg	Material+Making cost Per Kg	Material+ Making cost Per Pc	Machining cost Per pc	Surface treatment cost per pc	Packing+inl and trans. per Pc	MOQ pcs/batch	Unit price FOB	Jigs/fixtures/gages cost	Pattern cost	Pattern Material	Process
1	PSPITS630A00040001	End fitting cap ball forging	45# Steel	-	0.73	-	-	-	-	-	8500	US$0.00	111.9402985	US$2,216	Steel	die forging+machining
2	009215-00	End fitting，ANSI DENVER SOCKET #274043-4100	60-40-18 ductile iron	0.70	-	US$1.49	US$1.04	US$0.94	US$0.31	US$0.11	2000	US$2.41	111.9402985	US$5,821	Iron	Coated sand casting+surface hot galvanizing+machining
3	PSPITP2CUBE004001	CAP TUBE 250		6.40	-	US$1.44	US$9.23	US$6.27	US$2.82	US$1.00	10000	US$19.32	111.9402985	US$5,597		
4	PSPIVP700034001	BASE HORZONTAL SERIES175		5.90	-	US$1.44	US$8.51	US$4.39	US$2.51	US$0.92	1200	US$16.33	111.9402985	US$5,821		

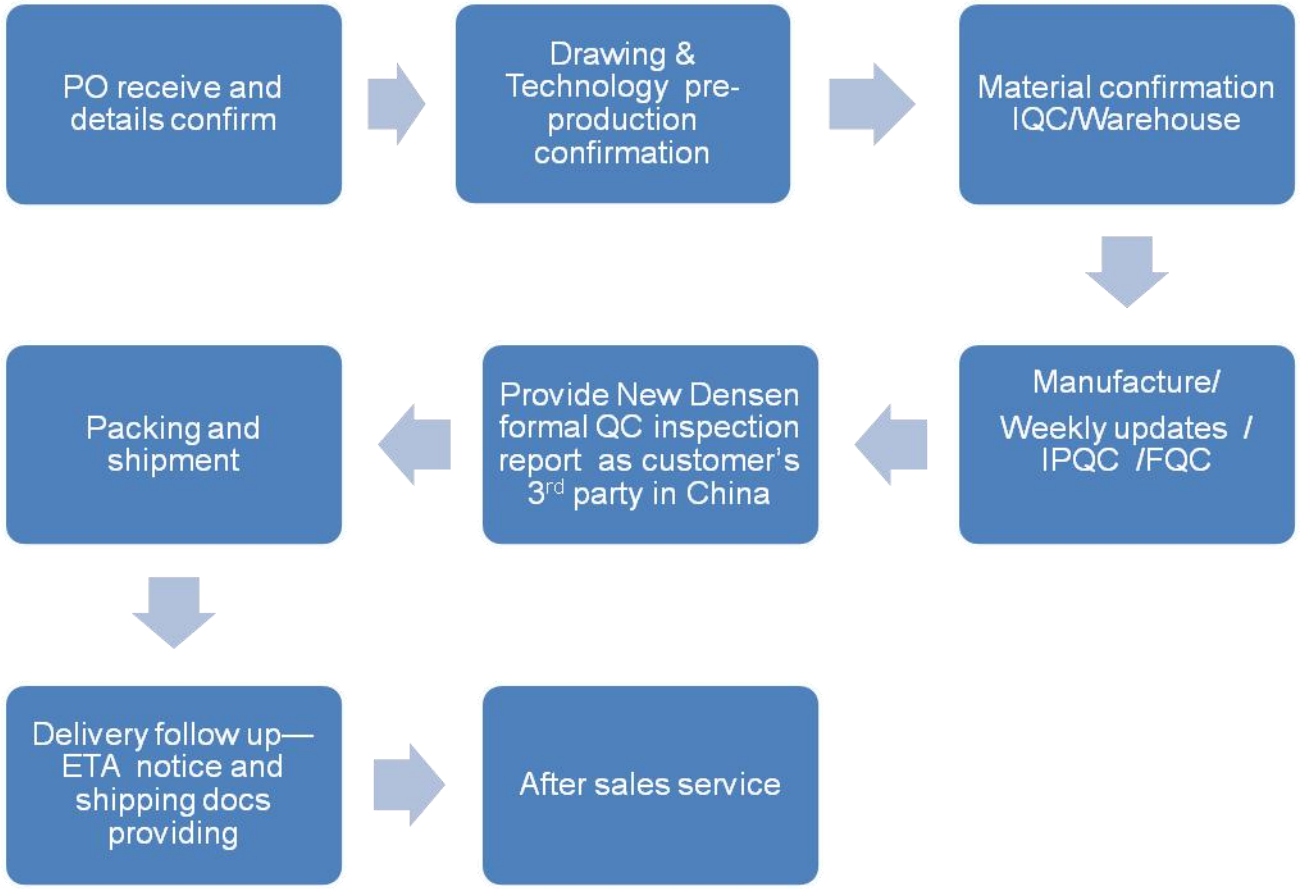
Remarks:
1. The quotation based on:
1.1 Currency rate: 6.8
1.2 Raw material cost: N/A Per Kg
1.3 Actual material adoption weight (before machining)
1.4 Sea freight: N/A Per CBM/Ton
1.5 Price term: FOB Qingdao/Tianjin Port, China
2. Sample lead time: 50 days
3. Payment term:
4.1 Pattern and tooling: 50% prepaid as order deposit; balance 50% paid within 10 days after samples approved.
4.2 Samples: 50% prepaid as order deposit; balance 50% paid within 10 days after samples approved.
4.3 Products: 30% prepaid as order deposit; 70% paid before shipping.
4. Packing: Standard export packing
5. The quotation is valid for: 30 days.
6. For bulk production if the delivery amount less than US$3000, we have to charge US117 as port handling cost.
7. Final prices should be calculated by actual samples' weights when dimensions correspondent with drawings. Samples' weights/before machining herewith refer to raw material weights unless specified note.
8.For Item 2,3,4,The casting tolerance of non-machined area will be maintained as per ISO 8062-CT9.
9.The Min thinkness of hot galvanizing surface would be 65μm

Approved by: Echo Huang
General Manager

Signature:_____

Quality control system

Densen Group's Order Chart



Quality control system

Let customer keep informed

Weekly updates for orders status -- Shenyang New Densen

Updated on Jan 19, 2016 by Riancy

Remarks: The below production plan was scheduled as per usual, we will try best to complete as soon as we can.

S.N.	PO date	PO No.	Part No	Desc.	Material	Qty pcs	Current Status	Next process	Estimated time of ready for dispatc	ETA date	Production Plan
3	2015/12/9	15007420	CAS143-0003	Leg Base for Horizontally, Casting (Dwg# 004T20-1200 Rev.02)	SA351 CF8	1500	**clean up&grinding**	Start solution heat treatment from Jan 20,2016	27-Jan-16		1. Wax molding 2. Making shell 3. Pouring 4. Clean up & grind 5. Solution heat treatment 6. Finish grinding 7. Final inspection 8. Provide QC documents for approval 9. Packing and dispatch
4	2015/12/17	15007752	CAS143-0004	Locking pin holder,for 40×40 &50×50, Casting (Dwg# EA0T23-2110 Rev.01)	SA351 CF8	10	**Making patterns**	Start wax molding from Jan 20	4-Feb-16		1. Make patterns/moulds 2. Wax molding 3. Making shell 4. Pouring 5. Clean up & grind 6. Solution heat treatment 7. Machining 8. Final inspection 9. Provide QC documents for

Quality control system

DENSEN GROUP

Self-check, in process check, final inspection



Test method	• NDE: RT, UT, MT, PT, visual • Material: Spector meter, Chemical analysis, tensile Strength, hardness, metallographic analysis, etc. • Dimension: CMM, Scanner, gages, contour-graph, projection, gages, etc. • Other test: Pressure test, Balance test, film thickness, Salt spray test, adhesion test, roughness test, etc.
Reports format	• Chemical report * Mechanical report * Dimensional report * PPAP 3 *Work instruction * checking list * QP quality procedure * CAR or 8D report

Quality control system

DENSEN GROUP

Shenyang New Densen Casting and Forging Co., Ltd.
www.sydensen.com

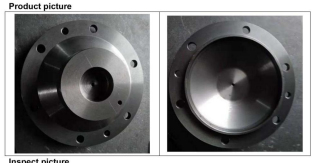
Inspection Reports



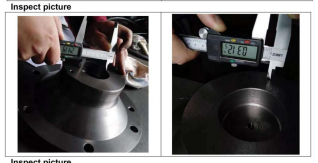
Order No.:	4191250
Part Description:	PLATE,DRIVE,PILOT,FOR C300 TORQUE CONVERTER
Part No.:	2035-0002-2121
Quality:	25pcs
Material:	60-40-18
Date of Inspection:	Dec.11, 2019
Inspected by:	Zhang Hongfei (QC Engineer)
Merchandisers:	Lalay (sales) sales02@sydensen.com Marina(sales manager): marina@sydensen.com
Vendor	Shenyang New Densen Casting and Forging Co., Ltd.

Shenyang New Densen Casting and Forging Co., Ltd.
www.sydensen.com

Product picture



Inspect picture



Inspect picture



Shenyang New Densen Casting and Forging Co.Ltd.
沈阳茂通对外贸易有限公司
MATERIAL TESTING REPORT
材料检验报告

PO No. 订单号: 4191250 — Apply to ASTM Standard(适用于标准): ASTM:A395/A395M

rt NO#（12 digit）位零件号	2035-0002-2121	Heat No 炉号	2019-11-18-1
terial 料	QT60-40-18		

CHEMICAL ANALYSIS（化学成份）:

	C	Si	Mn	P	S
Spec.（规定）	3.4-3.8	2.2-3.0	≤0.4	≤0.10	≤0.04
Actual（实测）	3.71	2.46	0.28	0.036	0.015

MECHANICAL PROPERTIES (机械性能):

		Tensile Strength 抗拉强度(Mpa)	Yielding Strength 屈服强度(Mpa)	Elongation % 延伸率(%)	Reduction 截面缩率 (%)	Hardness(HB) 硬度(HB)
Heat No (炉号)	Specified 要求	≥400	≥250	≥18		130-180
019-11-18-1	Tensile Bar 试棒	433	266	20		166

HEAT TREATMENT（热处理）

Heat treatment No（热处理炉号）	Heat Treatment Describing（热处理描述）	Temperature. ° C（温度° C）	Hold time.h（保温时间.h）	Cooling way（冷却方式）

I hereby certify that the goods specified on this report were produced in compliance with all applicable requirements of the governing standards and specifications stated above.
Supplier（供 货 方）:Shenyang New Densen Casting and Forging Co.Ltd.
Signature(签名)：张洪飞
Date（日期）2019-12.11
Notes：According to Special parts ,If the column in this list is unnecessary, it should be blanked.
注意：对于特殊的产品，如果有的栏目是不需要，那么这个栏目应该被空着。

Testing Result 测试结果

Report No.：US-03/201909

订单号：4191250 Customer PO No.	采购合同号：US-03/201909 PO No.	零件号：2035-0002-2121 Part No.	检验时间：2019-12-11 Testing time	

Part Description 零件描述	Testing Item 测试项目	Testing Specification 测试规范	Testing Equipment/Method 测试工具/方法	Tester 测试方	Result Judgement 结果判定	Remarks 备注
PLATE, DRIVE, PILOT, FOR C300 TORQUE CONVERTER	Material（材料）	CLASS30	MTR（材质报告）	MTR/3rd party（材质报告/第三方）	Pass/合格 （√） Fail/不合格 （ ）	
	Sampling ratio（抽检比例）	(ISO 2859 I Class) ISO 2859 I级	Sample size (样本容量)：25	Sampling quantity (抽检数量)：10 40%	Pass/合格 （√） Fail/不合格 （ ）	
	Critical dimension（关键尺寸）	Per print（依据图纸）	Callipers/卡尺：（√） CMM/三座标：（√） Scaner/扫描仪：（ ） Gages/检具：（√） Others/其它：（√）	Engineer（工程师）	Pass/合格 （） Fail/不合格 （√）	
	Non-Critical dimension（非关键尺寸）	In addition to critical dimension（除关键尺寸外）	Callipers/卡尺：（√） CMM/三座标：（ ） Scaner/扫描仪：（ ） Gages/检具：（ ） Others/其它：（ ）	Engineer（工程师）	Pass/合格 （） Fail/不合格 （ √ ）	侧面油孔外测偏大 The oil hole on lateral side is oversized.
	Appearance（外观）	No burr, rust,No knock against,No defects.（无毛刺，无锈，无磕碰，无缺陷）	By visual（目测）	Engineer（工程师）	Pass/合格 （√） Fail/不合格 （ ）	
	Quantity (数量)	Order request/合同数量：（25） Actual quantity/实际数量：（25）	By visual（目测）	Engineer（工程师）	Pass/合格 （√） Fail/不合格 （ ）	
	Packing (包装)	Packing description/包装描述：	By visual（目测）	Engineer（工程师）	Pass/合格 （√） Fail/不合格 （ ）	
	Final result（最终判定）	合格				

供应商:沈阳茂通对外贸易有限公司
Vendor:ShenYang New Densen Casting and Forging CO.,ltd

质检员：张洪飞
Quality Inspector:

复核员：赵帅
Report reviewer:

REGULAR INSPECTION REPORT

US-03

PO No:
Ref. No:
Revision:
Print No:图号 2035-0002

J&B Part No: 2035-0002-2121
Part No: 2230502
Material: 球铁DI 60-40-18, A395

Part Desc: PLATE, DRIVE, PILOT, FOR C300 TORQUE CONVERTER
Supplier:
Total Lot:
Sampled:

项目号 Item #	尺寸/标准 Dimension/Standard	Tolerance Limits 最大 Max - Min 最小		Inspection Results 检测结果 Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	Sample 7	Sample 8	Sample 9	Sample 10
1	2.148	2.153	2.143	2.148	2.148	2.149	2.148	2.149	2.148	2.147	2.148	2.149	2.148
2.1	Ø 9.688 B.C.	9.693	9.683	9.689	9.689	9.688	9.689	9.689	9.684	9.688	9.684	9.688	9.689
2.2	0.688	0.693	0.683	0.685	0.685	0.686	0.686	0.685	0.686	0.686	0.685	0.685	0.686
2.3	5/8-11 UNC THRU	VERIFY		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
3.1	Ø 0.257	0.262	0.252	0.256	0.257	0.256	0.257	0.255	0.257	0.254	0.254	0.256	0.257
3.2	5/16-18 UNC THRU ALL	VERIFY		OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
4.1	Ø 0.313	0.323	0.303	0.318	0.319	0.318	0.319	0.320	0.319	0.320	0.320	0.320	0320
4.2	∓ 1.464	1.469	1.459	1.462	1.462	1.463	1.463	1.463	1.463	1.462	1.463	1.463	1.463
5	30.00°	30.500	29.500	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
6	Ø 8.433 | 8.431	8.433	8.431	8.431	8.432	8.431	8.431	8.431	8.431	8.431	8.432	8.431	8.431
7	Ø 8.375	8.380	8.370	8.372	8.372	8.373	8.373	8.372	8.373	8.373	8.375	8.372	8.372
8	Ø 5.103 | 5.102	5.103	5.102	5.102	5.102	5.102	5.103	5.102	5.102	5.102	5.103	5.102	5.102
9	Ø 11	11.002	10.998	11.000	10.999	10.999	10.999	11.000	11.000	11.000	10.998	10.999	10.999
10	Ø 5.40	5.430	5.370	5.37	5.37	5.39	5.38	5.38	5.38	5.37	5.38	5.38	5.38
11	Ø 5	5.005	4.995	4.998	4.998	4.999	4.998	4.998	4.999	4.998	4.998	4.999	4.999
12	35.00°	35.500	34.500	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
13	R .44	0.470	0.410	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
14	.476 | .474	0.476	0.474	0.475	0.475	0.475	0.475	0.476	0.476	0.476	0.476	0.476	0.476
15	(.613)	REF	REF	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615	0.615
16	Ø 8	8.002	7.998	7.999	7.999	8.001	8.001	8.001	8.001	8.001	7.999	7.999	8.001
17	Ø 7.636	7.641	7.631	7.636	7.635	7.636	7.635	7.635	7.634	7.636	7.636	7.636	7.636
18	2.125	2.135	2.115	2.118	2.118	2.118	2.118	2.118	2.118	2.118	2.119	2.119	2.119
19	138.00°	138.500	137.500	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
20	0.100	0.130	0.070	0.090	0.090	0.090	0.100	0.100	0.100	0.090	0.090	0.090	0.090
21	30.00°	30.500	29.500	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
22	1.000	1.005	0.995	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998	0.998
23	.06 X 45.00	0.090	0.030	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
24	Ø 2.420	2.425	2.415	2.422	2.422	2.423	2.422	2.422	2.423	2.422	2.422	2.422	2.422
25	Ø .313 ±0.01(.254)	0.323	0.303	0.324	0.323	0.323	0.312	0.318	0.323	0.323	0.313	0.318	0.322
26	0.950	0.955	0.945	0.946	0.946	0.948	0.948	0.948	0.947	0.948	0.947	0.948	0.949
27	1.200	1.230	1.170	1.201	1.201	1.202	1.202	1.201	1.200	1.200	1.201	1.201	1.202

Discrepancies

To Be World Class Industrial Solutions Provider



Densen Group’s mission, version and values

06

PART

Mission, vision, and values

Densen Group's Mission:	1. Focus on customer needs, provide the best industrial product solutions, continue to create good value for customers 2. Committed to upgrade the global level of casting and forging industry, to provide the best quality casting and forging products for customers.
Our Vision:	1. Become the first brand of casting and forging OEM products provider 2. Be the most employee happy enterprise
Our values:	1. Customer comes first, employees come second, shareholders come third 2. Embrace change 3. Team work 4. Integrity 5. Passion 6. Dedicated
Our philosophy:	Quality and customer service is everything
Our focus:	High mix, low volume Quality, cost, quick delivery

Key words of Densen Group

DENSEN GROUP

Trusted supplier of steel, iron & non-ferrous components

Extensive documented Quality program in place

Castings, forgings, stamping, machining, welding & fabrication services

Has 5 sub-factories, over 50 sub-contractors

50% of customer base is Fortune 500 companies

Over 28 years of manufacturing experiences, over 12 years direct exportin experiences

Keep Quality, cost, and quick delivery on mind all the time

Experienced in high mix, low volume

Provide Quality Assurance service to protect customers

Act as Quality and Customer service comes first!

Declaration

Products shown herewith are made to the requirements of specific customers and are illustrative of the types of manufacturing capabilities available within Densen Group of Companies. our policy is none of these products will be sold to 3rd parties without written consent of the customers to whom tooling, design and specifications.

THANKS

Densen Group

To Be World Class Industrial Solutions Provider

www.sydensen.com; info@sydensen.com