



# Ductile iron castings of Catalogue

## About the factory

Xiamen Hadron Import and Export Co., Ltd is located in Xiamen China. As a participant of the Global Supply Chain, we are specialized in coming drawing processing, mainly for European truck industry.

Our cooperation factory was established as a traditional foundry with Cupola smelting in 2004.

There are new induction furnaces and several imported automatic machines have been introduced in our new plant. The new induction furnaces hugely solve the environmental restriction and temperature control accuracy. New equipments such as SPECTROMAXX spectrometer helps us improve products quality control and inspection speed. The new flask less molding machine significantly improves our capacity to over 100 moulds per hour or 10,000 tons per year and also high accuracy from its automation system. Moreover, the sand preparation system with Europe technology can provide us high and stable molding sand. To summarize, our new plants and current professional staffs can provide very high quality casting products and services for customers worldwide.

Furthermore, our factory also owns a machining plant with over 9 NC and CNC machining centers. The one-stop service from molding design and casting production to precision machining is a current practice which brought us a satisfaction and trust so far from our customer worldwide. Most of our products are exported to Canada, USA, Switzerland, Sweden and other European countries.



## Casting Plant



Steel structure metal casting plant owns three electric induction furnaces, Tokyu automatic molding line, go-through type shot blasting machine, Spectro Max spectrometer and so on. Our main product materials are ductile iron and grey iron. Production process covers green sand cast, self-cured resin sand, pre-coated sand cast with capacity more than 10000T per year. The sand preparation system with Europe technology can provide us high and stable sand quality.

▼ 自动造型线 AUTOMATIC FLASKLESS MOULDING LINE



◀ 自硬树脂砂/覆膜砂生产流水线  
FURAN NO-BAKE  
/SHELL MOLD PRODUCTION LINE

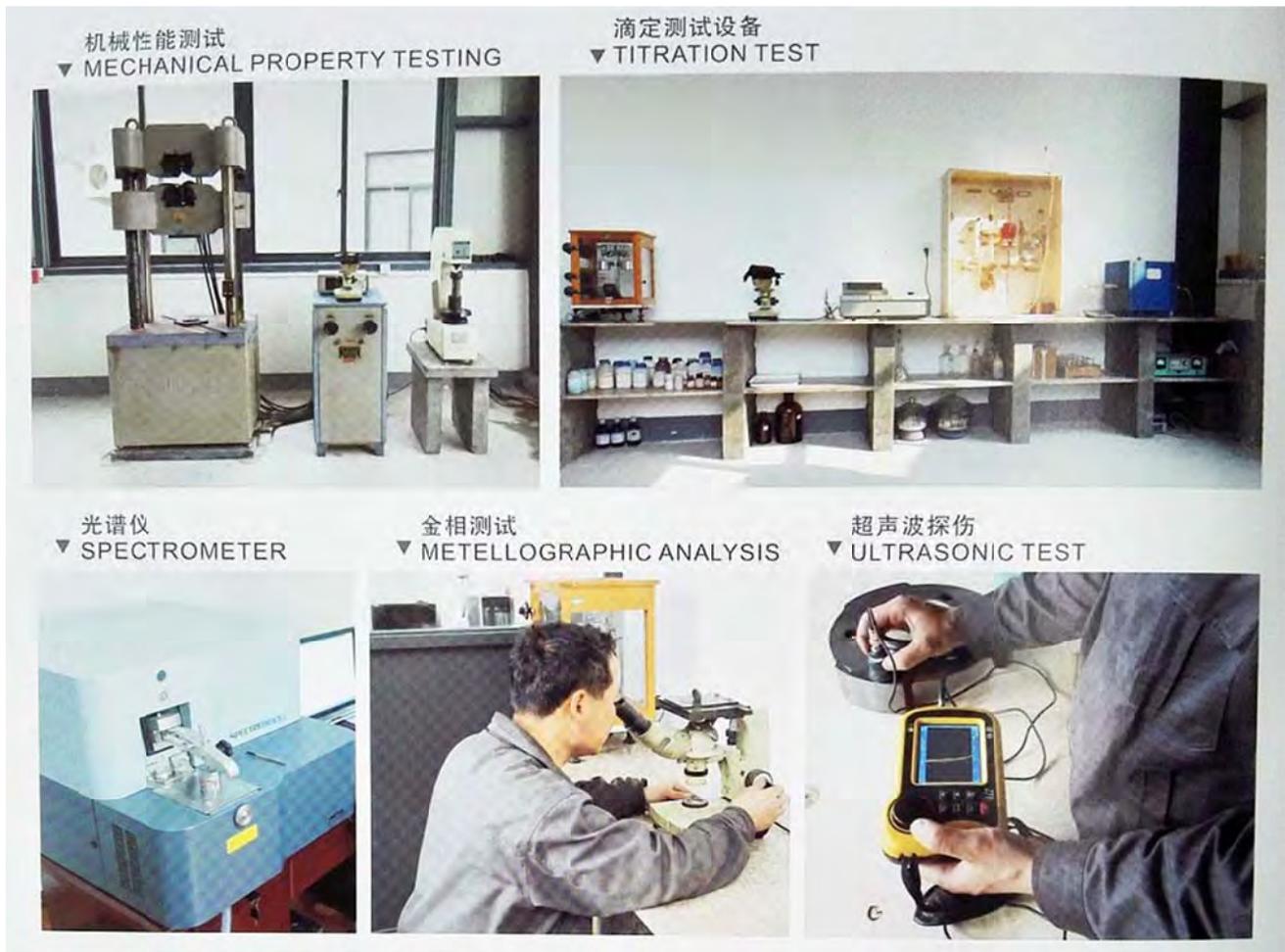
吊抛/通过式抛丸机  
THROUGH TYPE SHOT-BLASTING MACHINE



射芯/制壳机  
CORE/SHELL SHOOTING MACHINE

▼ 模具仓库 PATTERN WAREHOUSE





## Equipment List

1. AMF-III auotmatic moulding line
2. Resin sand cast line
3. Precoated sand cast line
4. Electric induction furnace
5. Core shooting machine
6. Shell shooting machine
7. Sand blasting machine –through type
8. Tensile testing machine metallographic microscope
9. 5-10t crane
10. Ultrasonic flaw detection
11. Spectromax spectrometer
12. Brinell hardness testing machine

## Machining Plant

To fulfill more requirements from customers and ensure products quality, we has established a machining plant in the year 2011 with over 9 NC and CNC machining centers. There are moulds & tools developing, products casting and precision machining, combining to one stop service which not only improves our working efficiency but also bring convenience and benefits to our customers.

In capability aspect, there are available precision machines such as 3 & 4 axis machining centers from FEELER, horizontal machining centers from HISION, CNC turning machines and gantry type milling machine, and so on. There is also precision measurement equipment, such as CMM and so on.



# Equipment List



1. HISION HORIZONTAL MACHINING CENTER HTM-80H
2. HISION VERTICAL MACHINING CENTER HTM-850G
3. FEELER VERTICAL MACHINING CENTER VB-715A-THREE AXLE
4. FEELER VERTICAL MACHINING CENTER BT-1000A- FOUR AXLE
5. GANTRY MILLING MACHINE
6. SEREIN CMM (CROMA)
7. BENCH DRILLING AND RADIAL DRILLING MACHINES
8. CNC TURNING MACHINES CA6150 / CK520B/CK61000
9. MILLING MACHINE XQ6225

1. 海天卧式加工中心HTM-80H
2. 海天立式加工中心HTM-850G
3. 友嘉立式加工中心-三轴VB-715A
4. 友嘉立式加工中心-四轴NBT-1000A
5. 龙门铣
6. 思锐三坐标仪
7. 摇臂钻Z3050-16等
8. 数控车床CA6150-1000、CK520B/1000、CK61000/1500等
9. 数显铣床XQ6225等

## 三坐标 Coordinate Measuring Machines - CMM



机型型号 CMM Types		Croma 8106	
行程 Strokes (mm)		x	800
		y	1000
		z	600
测量空间 Measuring Range (mm)		Dx	934
		Dz	144
		Dz1	794
平台 Working Plate (mm)		Ph	805
		Py	1555
支撑 Support (mm)		Sy	1178
		Sy1	379
外形尺寸 Overall Size (mm)		Lx	1350
		Ly	1935
		Lz	2729
承重 Max. Part Weight (kg)		500	
机器重量 Machine Weight (kg)		1074	
MPEe (μm)		3.0 + L/300	
MPEp (μm)		3.5	
光栅分辨率 Scales Resolution (μm)		0.078	
空间移动速度 Max. 3D Speed (mm/s)		520	
空间移动加速度 Max. 3D Acceleration (mm/s)		1730	
流量 / 供气压力 Air Pressure		120 NI/min, 0.45 Mpa	
温度 Temperature		20±2°C	
湿度 Humidity		45%-75%	

# PRODUCT RANGE

## Heavy Engineering Parts



名称：工程机械配件  
( 绞桶、齿轮箱等 )

材质：球铁500

重量：5-200KG

P/N: HEAVY ENGINEERING PARTS  
(DRUM, GEAR HOUSING ETC.)

MATERIAL: QT500

WEIGHT: 5-200KG



Hydraulic Parts





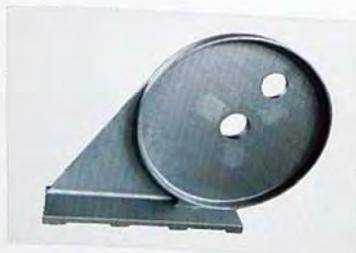
**Air Compressor Parts**



Auto Parts



其他 OTHERS



名称：汽车配件（转向节、三角臂、后摆臂等）  
材质：球铁450  
重量：2-30KG

P/N: AUTO PARTS (ARM TRIANGLE, STEERING KNUCKLE, SUSPENSION ARM, ETC)  
MATERIAL: QT450-10  
WEIGHT: 2-30KG

Machining Parts







**Material Comparison Table**

DUCTILE CAST IRON (球墨铸铁材料对照)					
EN 1563	GERMANY DIN1693	CHINA GB	FRANCE NF	ENGLAND BS	USA ASTM A536
	DIN	GB	BS	JIS	AISI/SAE
EN-GJS -400-18-LT	GGG40.3	QT400-18			60-40-18
EN-GJS -400-15	GGG40	QT400-15	FGS400/12	420/12	60-40-18
EN-GJS -450-10	GGG40	QT450-10		420/12	65-45-12
EN-GJS -500-7	GGG50	QT500-7	FGS500-7	500/7	65-45-12/ 80-55-06
EN-GJS -600-3	GGG60	QT600-3	FGS600-3	600/3	80-55-06
EN-GJS -700-2	GGG70	QT700-2	FGS700-2	700/2	100-70-03
EN-GJS -800-2	GGG80	QT800-2	FGS800-2	800/2	120-90-02

GREY CAST IRON (灰铸铁材料对照)					
DINEN1561	GERMANY DIN1691	CHINA GB	FRANCE NF	ENGLAND BS	USA ASTM A48
EN-GJL -150	GG15	HT150	FT15D	GRADE150	20B/25B
EN-GJL -200	GG20	HT200	FT20D	GRADE180/GRADE220	25B/30B
EN-GJL -250	GG25	HT250	FT25D	GRADE220/GRADE260	35B/40B
EN-GJL -300	GG30	HT300	FT30D	GRADE300	45B

**CONTACT**



**Xiamen Hadron Import and Export Co., Ltd**

**Web: <http://www.xmhadron.com>**

**Tel: +86-592-5168716**

**Fax: +86-592-5897879**

**Email: [linhongxin@xmhadron.com](mailto:linhongxin@xmhadron.com)**

**P.C.: 361006**

**Add: Unit 1106, Block 3, Anport International Business Center, No.1690 Gangzhong Rd., Xiamen, China**