



Dingjin has ability to design and manufacture

*Spinning unit and frame structure hydraulic press with various tonnage
for various specification of vessel heads.*

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Dalian Dingjin General Machinery Co., Ltd

Forging Ahead Honesty and Trustworthiness Win-Win

COMPANY profile

Dingjin is a professional manufacturer specialized in various vessel heads, spherical shell plates and the third classification pressure vessel. It was established in the year of 2000, its floor area is 74000m². Dingjin has got the special equipment manufacture license of Grade A3 and A2, ISO9001 Quality Certificate, and it has been identified as a national high-tech enterprise for continuous 9 years. Dingjin is the sub-committee on Boilers and Pressure Vessels, and China Forging Association. Dingjin is the governing unit of vessel heads branch and one of the editors of the national standard Heads for Pressure Vessel.

For more than a decade after starting business, Dingjin has already supplied foreign and domestic customers hundreds of thousands of various vessel heads. Product quality, delivery date and service all got good comments.

Quality Policy: Quality First, Customer Satisfaction.

Enterprise Tenet: Forging Ahead, Honesty and Trustworthiness, Win-Win.

Main Processing Features

Special Material

Dingjin can fabricate vessel heads not only with carbon steel, alloy steel and stainless steel, but also have mature process technology and experience with aluminum, copper, titanium, dual-phase steel, high nickel steel as well as clad plate.

Large Specification

Following production capacity is for all type vessel heads with integral forming technology: Diameter $\leq 10000\text{mm}$, Thickness $\leq 50\text{mm}$ (Spinning); Diameter $\leq 6000\text{mm}$, Thickness $\leq 350\text{mm}$ (Stamping).

Complete types

Elliptical head, torispherical head, hemispherical head, spherical crown head, toriconical head, flanged-bottom head, horn head, segment with edge, arc boiler furnace, furnace platform with outer flange, axisymmetric body head and spherical pressure vessel and so on.

Main Processing Equipment

Large Scale and Complete Production Equipment

Spinning Equipment

Dingjin possesses large, medium, small three spinning units which are separately model $\Phi 10000 \times 50\text{mm}$, model $\Phi 5200 \times 32\text{mm}$ (made in Germany), model $\Phi 2200 \times 22\text{mm}$.

Stamping Equipment

There are 7 sets of double acting hydraulic press with following tonnage: 16000t, 8000t, 2000t (2 sets), 1000t (2 sets), 630t.

Configuration Equipment

There are 7 sets of heat treatment furnace, such as one pit electric furnace with model $\Phi 8300 \times 2300\text{mm}$, one set of smaller electric furnace and 5 sets of gas furnace. There is an automatic temperature control gas furnace with model $\Phi 8000 \times 1350\text{mm}$ and a counter type automatic temperature control gas furnace with model $\Phi 7500 \times 7500 \times 2800$.

There are 28 sets of cranes and the maximum lifting capacity is 75t.

There are 2 sets of polishing machines, 1 set of shot blasting machine, and 2 sets of CNC cutting machines.

There is one set of 9-meter Gantry planning milling boring machine made in Japan, one set of 6.3-meter CNC vertical lathe machine, one set of 1.6-meter and 3.4-meter vertical machine, and twenty sets of corollary machining.

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Dalian Dingjin

Enterprise qualification



Dalian Dingjin Tenet

Dingjin adheres to the tenet "Forging Ahead, Honesty and Trustworthiness, Win-Win" and supplies qualified products with favourable prices, timely delivery, and considerate service to you. Dingjin have confidence in providing the better service and the better products during business cooperation.



Qualification



Invention Patent



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Dingjin Equipment

Spinning Equipment



Model DF10050 Spinning Unit

DN10000×50



Model 6030 Spinning Unit Made in Germany DN5500×32



Production Capacity
Diameter : Φ1900-5500
Thickness : 32mm (Maximum)

Production Capacity

Diameter: Φ219~10000mm (Integral Forming)

Thickness: 2~50mm

Type: Elliptical head, torispherical head, hemispherical head, conical head, toriconical head, flat bottom head, and arc bottom head and so on.

Material: All kinds of carbon steel , alloy steel, stainless steel, clad plate, cooper, aluminum and titanium.

Processing Method: cold Spinning, cold stamping, being split and pressed

Dingjin has rich experience to fabricate spherical head, large conical head and spherical shell plate. Each piece of petal could be switched position after grooving. The alignment tolerance for clad plate spherical head and conical head could be controlled under 1 mm.



Model DF22 Spinning Unit

DN2600*22



Production Capacity
Diameter : $\Phi 750\sim 2600\text{mm}$
Thickness : 22mm (Maximum)



2000t Three-cylinder Hydraulic Press

Stamping Equipment



16000t Hydraulic Press



8000t Hydraulic Press



2000t Hydraulic Press



1000t Hydraulic Press



630t Hydraulic Press

Model 7500*7500*2800 bench type automatic thermal control natural gas heat treatment furnace

Model 8000*1350 hood type natural gas heat treatment furnace



Dingjin also possesses following configuration equipment: 1 set of 6.3m CNC vertical lathe machine, 1 set of 3.4m CNC vertical lathe machine, 1 set of 9m milling planning boring machine made in Japan, 1 set of 6m milling planning boring machine, 1 set of 2m boring machine, 1 set of 4m cylindrical grinder, 14 sets of horizontal lathe machine involving the ones with specification of 10m/6m/5m; automatic submerged arc welding machine, manual welding machine, argon arc welding machine; plasma cutting machine, Co2 gas shield welding machine. Copying cutting machine, automatic cutting machine, magnetic cutting machine; ultrasonic thickness gage, infrared thermometer, X-ray flaw detector, ultrasonic flaw detector and many other auxiliary equipment.



Model CW6240 Horizontal Lathe Machine 800 X 10m



Single Beam 9m Milling Planning Boring Lathe Machine (made in Japan)



Model C543 CNC Vertical Lathe Machine



Model CW6263 CNC Vertical Lathe Machine



Gantry Planning Milling Lathe Machine (made in Japan)



03

我们的产品
Our products

Dingjin possesses a number of skilled experts, senior engineers and senior technicians who developed special processing technology for shell of revolution with spinning equipment on site.

Dinjin has fabricated vessel heads with following special types by far: flanged oblique conical head, flanged smaller edge of conical head, flanged horn head, vessel head for furnace, cap type vessel head, stern type vessel head applied to submarine and special type rotating body.

Dingjin also processes offshore oil platform, separator internals in oil or gas or water service, conical body for beer project, offshore oil skid base.





Dingjin has successfully fabricated vessel heads with following material specification

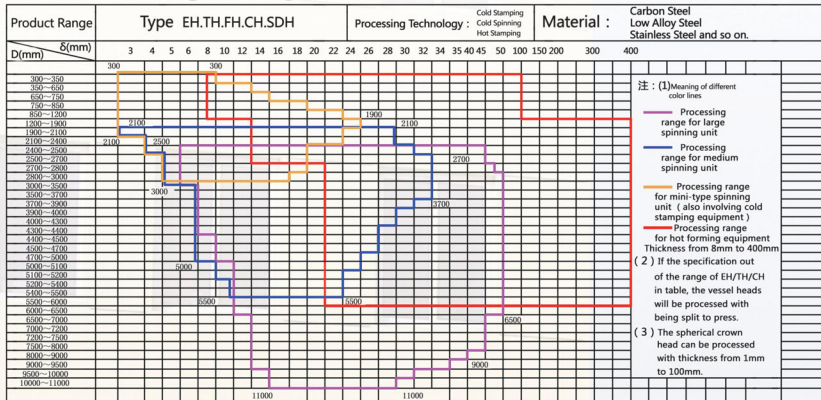
Ordinary Material Specification	Special Material Specification	Special Material Specification
Q235A	A283-C	SA516Gr.485
Q235B	A5454	SA516Gr.70
Q245R	2205	12Cr2Mo1VR
Q345	2665	15CrMoR
Q345R	5083-0	N0600
304	HastelloyC-276	Ni201
304H	A95803-0	SA533B-1
304L	1060(L2)	SM400ZL
316	L1	SuS316
316L	BFe30-1-1	20HR-B
06Cr19Ni10	LF2	Mone1400
12Cr13	TA1	20HR-B
06Cr13	TA2	NO8811
022Cr17Ni12Mo2 T2		P256GH
00Cr17Ni14Mo2 CCSA		L415MB

Dingjin has successfully fabricated vessel heads with following clad plate material specification

Q245R+S11348	TA+S30403
Q245R+S30403	N04400+Q345R
Q245R+S30408	N06600+S30408
Q245R+S31603	15CrMoR+S31603
Q345R+S11348	15CrMoR+S30403
Q345R+S30403	15CrMoR+S32168
Q345R+S30408	13MnNiMoR+S31603
Q345R+S31608	12Cr3Mo1R+S32168
Q345R+S32168	Q245R+022Cr19Ni10
Q345R+S22053	Q245R+06Cr19Ni10
Q345R+N6	Q245R+06Cr17Ni12Mo2
Q345R+N02201	Q245R+022Cr17Ni12Mo2
Q345R+N0400	Q235B+304
Q345R+NCu30	Q235B+Incoloy825
Q345R+Inconel625	14Cr1MoR+304L
Q345R+SAF2507	304+HastelloyC-276



Processing Scope



Typical Product



Name		Elliptical Head	
Type & Specification	Material Specification	Type & Specification	Material Specification
EHA2956*4	316L	EHA200*28	Q345R
EHA2412*14	A5454	EHA700*18	Q235R
EHA2300*18	15CrMoR	EHA5600*72	Q345R
EHA2300*8	Q235N120	EHA5000*18	Q235R
EHA2216*35	A1100	EHA4600*20	09MnNiDR
EHA2200*4	Hastelloy C-276	EHA4600*10	06Cr18Ni110
EHA2032*18	1060	EHA4588*16	304L
EHA1700*22	S31803	EHA4500*14	304
EHA1480*10	Incoloy825	EHA4200*30	Q345R
EHA1400*18	Inconel600	EHA4200*40	A5083-0
EHA1400*6	N6	00Cr17Ni14Mo2	
EHA500*9	Mone1400	EHA900*8	Fe30-1-1
EHA5400*18-33	Q245R+Q22Cr18Ni110	EHA5100*26	SM400B
EHA5000*120-4	Q245R+0Cr18Ni110	EHA5000*90	Q245R
EHA4200*25-33	Q345R+0Cr18Ni110	EHA3000*28	Q345R
EHA3600*14-33	Q345R+321	EHA3000*18	TA2
EHA3400*12-33	Q345R+N6	EHA6700*28	SA516-70
EHA3000*10-33	Q345R+Mone1400	EHA8500*32	Q345R (N)

Name		Hemispherical Head		
Type & Specification	Material Specification	Type & Specification	Material Specification	
HHA2000*82	Q345R (R-HIC)	HHA2813*100	14Cr1MoR	
HHA3300*170	2.25Cr1Mo4.25V	HHA2800* (25+3)	S32168+15CrMoR(0)	
HHA3740*130	2.25Cr1Mo4.25V	HHA9000*50	16MnDR	
HHA4113*124	SA387GR11CL2	HHA290*12	1Cr18Ni9Ti	
HHA3013*70	13Cr2Mo3R	HHA2050*(44+4)	14Cr1MoR+304L	
HHA2000*(24+3)	Q345R+06Cr13			
Name		Torispherical Head		
Type & Specification	Material Specification	Type & Specification	Material Specification	
THA3000*4	TA2	THA9500*16	Q235B	
THA8800*14	06Cr19Ni110	THA6200*10	S30408	
THA4324*26	Q345R	THA3454*20	SA516Gr. 70	
THA10000*33	304L	THA400*10	Q345B	
Name		Toriconical Head		
Type & Specification	Material Specification	Type & Specification	Material Specification	
CHT2000/1166*25	Q345R	CHS9000/5400*28-3	Q345R (N)+S30403	
CHA8000/7818*22	Q345R	CHS168/8000*22	Q345B	
CHA484/7654*85	SM400CL	CHS484/7654*85	SM400CL	
CHT5200/9000*12	S30408	CHT7800/5400*28-3	Q345R (N)+S30403	
CHA3860/1377* (3+30)	Q345R+Q345R (Normal Head)	CHS100/638* (3+30)	S30403+Q345R	
Name		Spherical Crown Head		
Type & Specification	Material Specification	Type & Specification	Material Specification	
SDH3500*232	20MnMoNb	SDH4600*116-3	Q345R+BD3	
SDH4500*5	TA2	SDH440*3	Red Copper	
SDH678*10	N08811	SDH5200*42	P265GH	
Name		Flanged Flat Bottom Head		
Type & Specification	Material Specification	Type & Specification	Material Specification	
FHA3000*32	Q235B	FHA2000*40	Q245R	
FHA5020*5	L2	FHA2600*22	Q245R	
FHA500*38	S30409	FHA3600*12	S30409	
Name		Special Vessel Heads and Products		
Type & Specification	Material Specification	Type & Specification	Material Specification	
Bo. Bottom Head	WDA2000*12	1 No. Spherical Head	Φ5000*32	Q235C
Bo. Head	Φ1824/1424*12	2 No. Spherical Head	Φ2135*14	S31603
Bo. Head	Φ2800*18	3 No. Spherical Head (Extra 100mm Crown Height)	Φ1150	06Cr19Ni110