

Jiangyin Eastern Valve

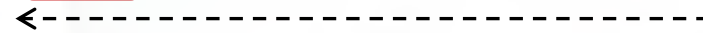
PARFECT STEEL

Since 1984



CATALOG

01 Brief Introduction

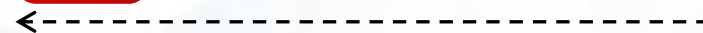


Product Display

02

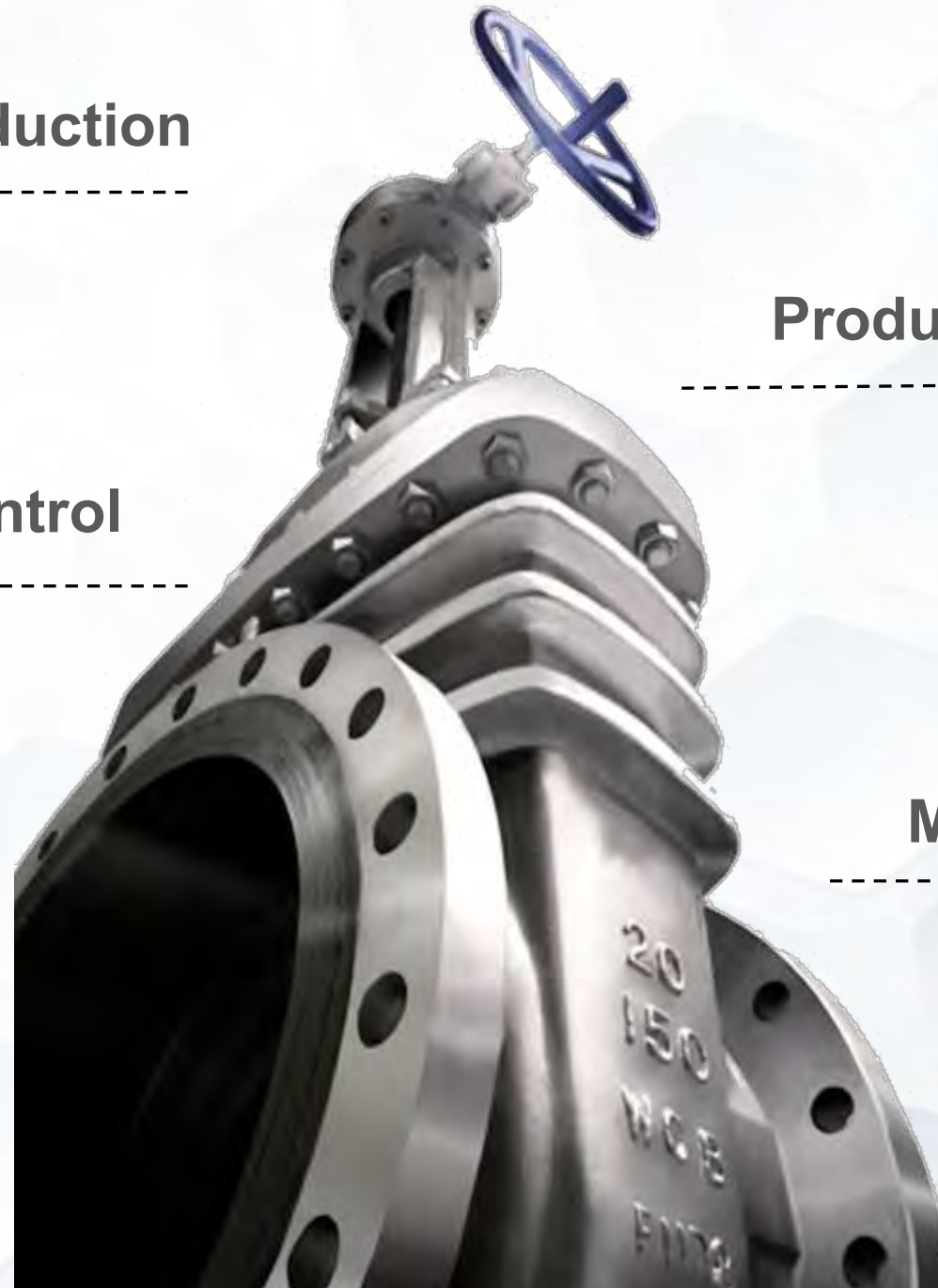
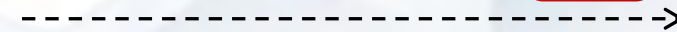


03 Quality Control



Main Clients

04



Brief

Introduction

01

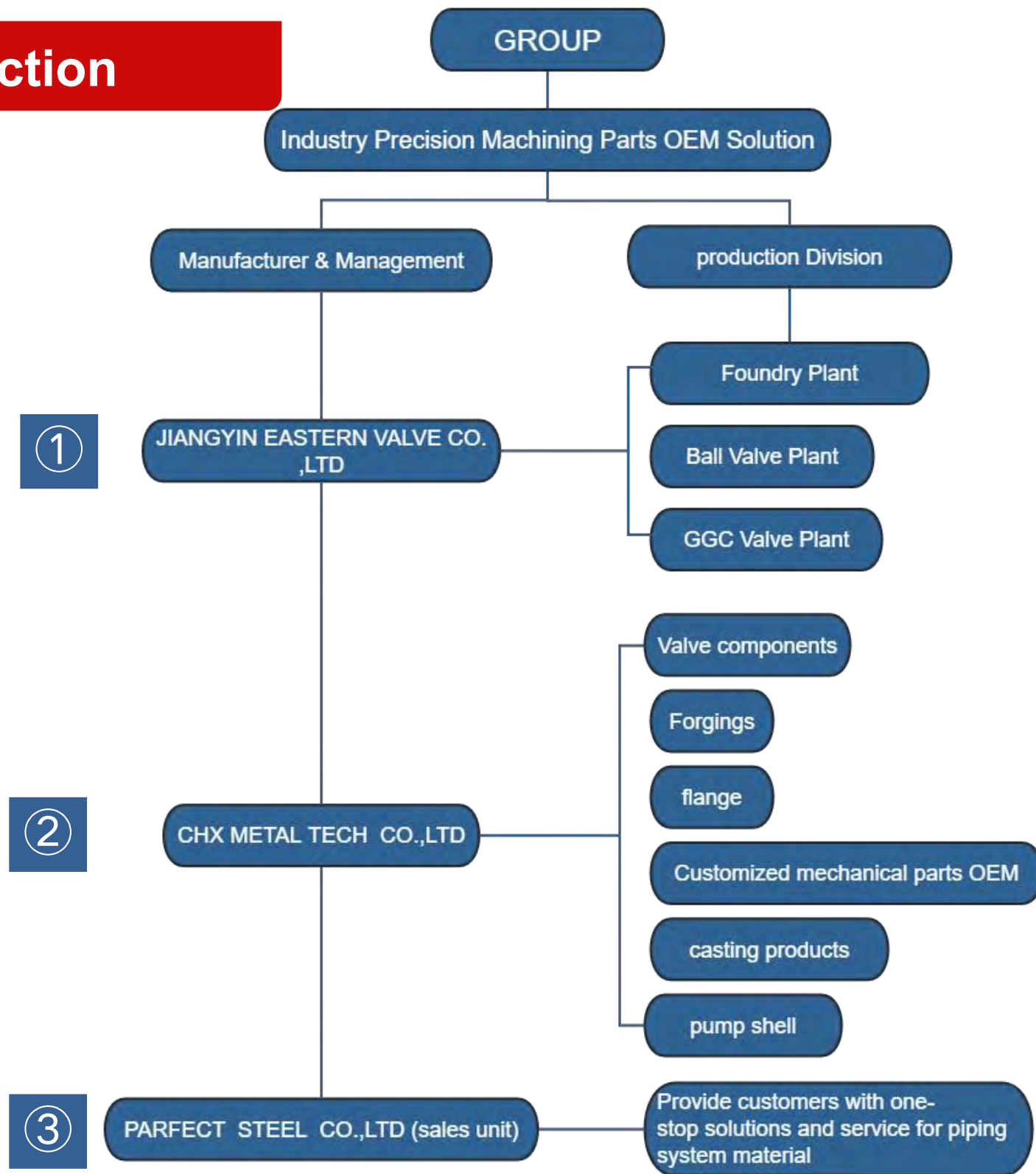


Brief Introduction

- ▶ **Group**
- ▶ **History and Capability**
- ▶ **Certificates**

Brief Introduction

Group



Material:

- Stainless Steel
- Duplex Steel
- Nickel Alloy
- Hastelloy Alloy
- Cobalt Alloy
- Titanium Alloy
- Carbon Steel

Application:

- Oil&Gas
- Engineering Machinery
- Mining Industry
- Marine Engineering
- Power
- Boilers

Brief Introduction

History and Capability



Jiangyin Eastern Valve Co., Ltd (JEV), established in 1984, Locating in Zhouzhuang Town, Jiangyin City, nearby Shanghai(2.5 hours by Driving). Three divisions invested and established by the JEV are Ball Valve Plant, GGC valve Plant, Foundry Plant.

Jiangyin CHX Metal Tech Co.,Ltd., which specialize in providing industrial precision machining parts or customized mechanical parts OEM.

In order to provide customers with one-stop solutions and service for piping system material, a sales division- **PERFECT STEEL** was established.



400
Employees

Staff

100,000
or 8,000T

Annual QTY(PCS) Capability

35M
USD

Annual Production Value

Brief Introduction

Main Certificates



The factory have full certificate, including:

- API 6D
- API 600
- API 20A
- ISO 9001
- ISO 14001
- ISO 45001
- LR CE Casting
- DNV CE Certificate
- TUV CE Quality Assurance

Product Display

02

Product Display

- ▶ General
- ▶ Production Division
- ▶ Engineering



Product Display

General

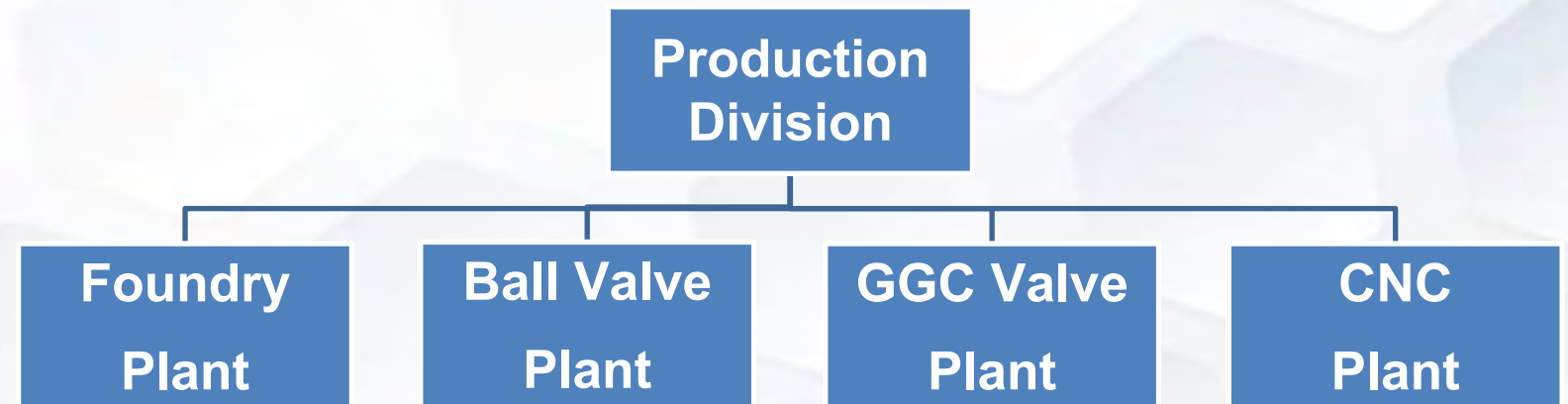
Jiangyin Eastern Valve Co., Ltd (JEV), is mainly focus on (with CS,SS,DSS, Alloy, Hastelloy,etc)

- Ball valves, size from 1/2"~50", class 150~2500, according API 6D, JIS, etc.
- Gate/Globe/Check valves, size from 2"~60", class 150~2500, as per API 600/ API 623/ API 594
- Precision Machining Parts,CNC customized products,Materials:Duplex Steel, Nickel Alloys, Hastelloy Alloys, Cobalt Alloy, Titanium Alloy,Carbon Steel, etc
- Casting products

With past years of rich production experience, JEV has a series of complete production lines, including **Raw Material Casting, Welding and Overlay, Components Machining, Assembling, Testing, Painting and Packing .**

Production Division

- **Production Division**



● Foundry Plant

3 sets of Electricity Furnaces & 3 sets of Gas Fired Furnaces 800Tons/Month

Internal Quality Control for Casting

- RT TEST **100%** TO CLASS 900 AND ABOVE , All 30" in Size and larger
- Chrome Alloy C12/C12A, do **100%** RT and MT
- Duplex S.S. A890 4A/6A, Austenite S.S. CF8C/CN7M, Ni-alloy CW-6MC
- With low S/P content, less than 0.020% for WCB/LCC material
- Resin sand casting, Lost wax casting, Shell Model, with nice surfacing looking



● Foundry Plant



Lost Wax Casting



Sand Casting



			Class					
Size	150	300	600	900	1500	2500		
2"	LOST WAX				Sand Casting process			
3"								
4"								
6"								
8"	砂铸/ 精铸混杂区，砂铸为先							
10"								
12"								
	砂铸/ 精铸混杂区，砂铸为先							

Shell Model Casting



Production Division

● Ball Valve Plant

Type	Size	Pressure Class
2-pc Casting Ball Valve	2"-50"	150-1500
3-pc Forged Ball Valve	2"-50"	150-2500

Body Material:

WCB/A105, LCC/LF2, CF8M/SS316, DUPLEX, INCONEL OVERLAY ,Chrome/C12

Seat Material:

PTFE/ NYLON/ DEVLON/ DERLIN/ PEEK

Special Design Available:

- 1) O-ring seal structure with 2 step sealing to make sure zero leakage at low pressure
- 2) DPE (DIB-1)
- 3) Metal seated
- 4) 3"-2500 floating ball valves

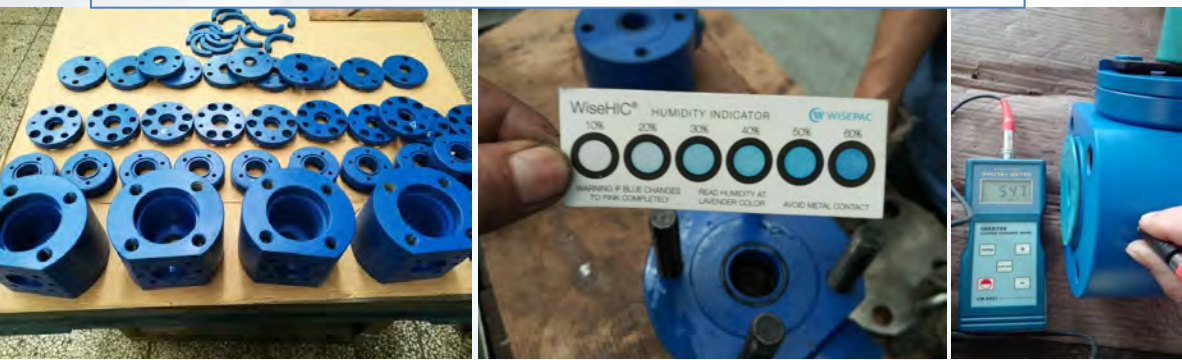


● Ball Valve Plant

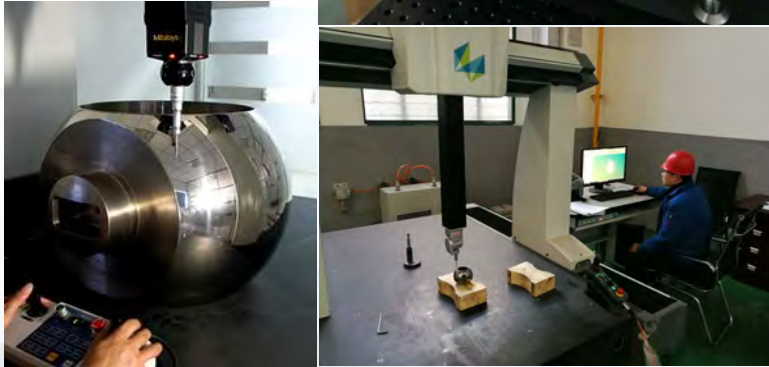
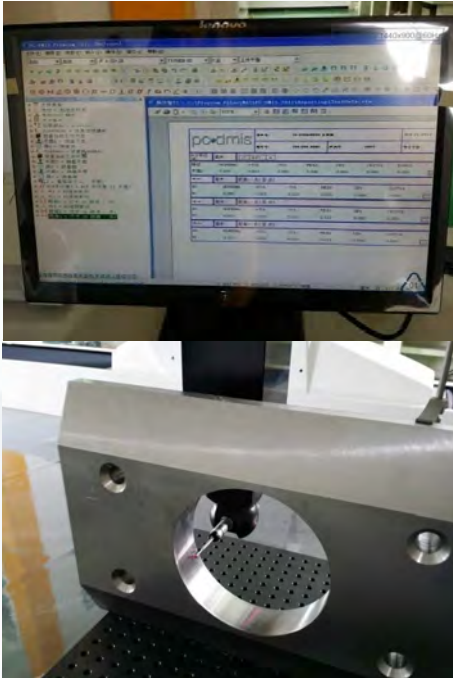
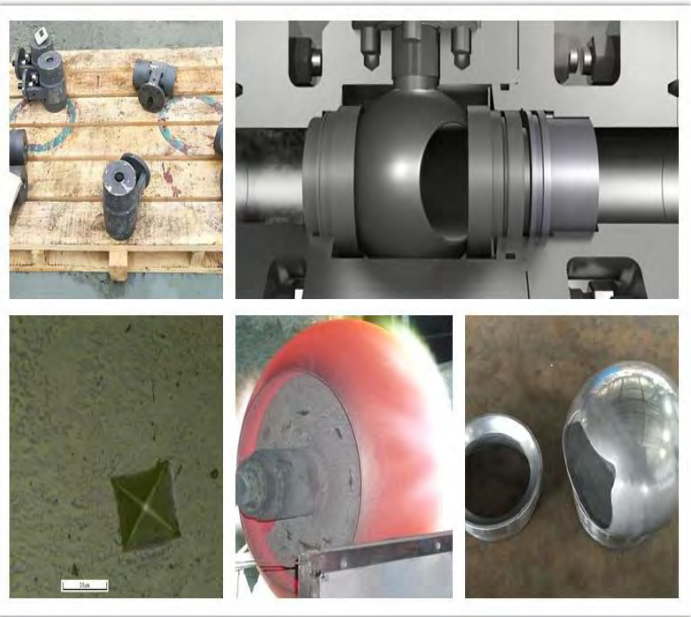
Large size ball valve, High pressure ball valve



Floating Ball valve available for subsea PTFE coating

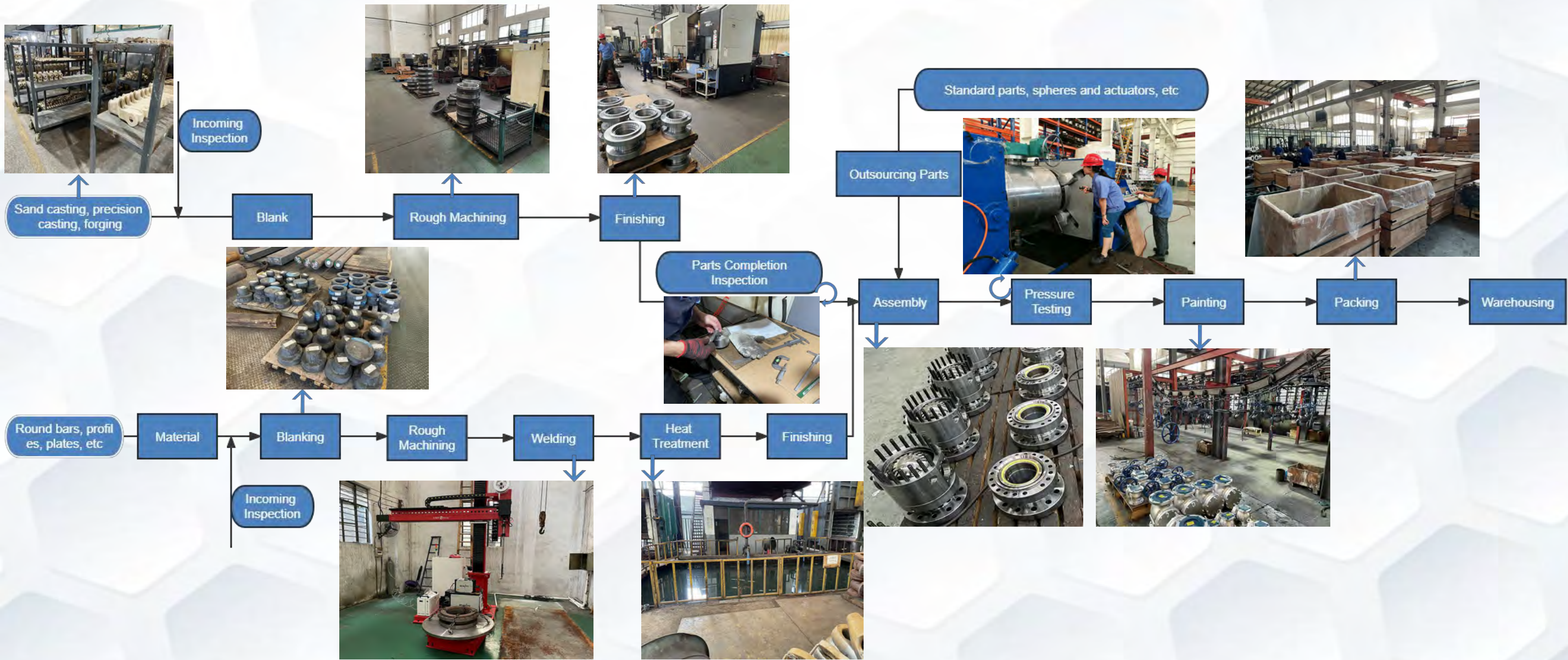


High Temperature, High Pressure floating ball valve



Coordinate Measuring Machine(CMM)

● Ball Valve Plant



● GGC Valve Plant

Type	Size	Pressure Class	Standards
Gate Valve	2"-60"	150-2500	API600
Globe Valve	2"-24"	150-2500	API 623
Check Valve	2"-48"	150-2500	API594/API16D/API607

Material:

- 1) **CS:** WCB/ LCC
- 2) **S.S.:** CF8M/ CF3/ CF8C/ CN7M/ DUPLEX S.S./ INCONEL / HASTELLOY
- 3) **Chrome Alloy:** WC6/ WC9/ C5/ C12/ C12A



● GGC Valve Plant



30"-150 GATE VALVE in mass production



Chrome Steel C5/C12/C12/CF8M



PSV LARGE SIZE GATE VALVE

Special Alloy Steel,
Hastelloy C-276,CN7M,
CF8C



CNC Plant

Industrial Precision Machining Parts		
Customized	Flange	Tube sheet, Tube Joint
Non-Standard	Pump Shell	Mechanical Part
Incoming material based on drawings	Marine Valve	Plug Valves, Butterfly Valve, Diaphragm Valve

Main Material:

1) NICKEL ALLOY:
Incoloy 800-825; Inconel 600-625-718; Hastalloy C276; Monel 400-K500

2) COBALT ALLOY:
AMS 5387 R3006; T800

3) STAINLESS:
S316/ S304/ S201/ S202/ S301/ S321

4) DUPLEX STAINLESS STEEL:
S31803/ S32205/ S32750/ S32760

5) TITANIUM ALLOY:
Gr1/ Gr2/ Gr5/Gr7/ Gr9/ Gr12/ Gr16

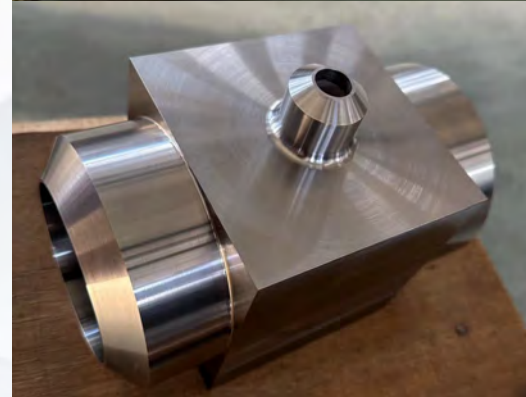


● CNC Plant

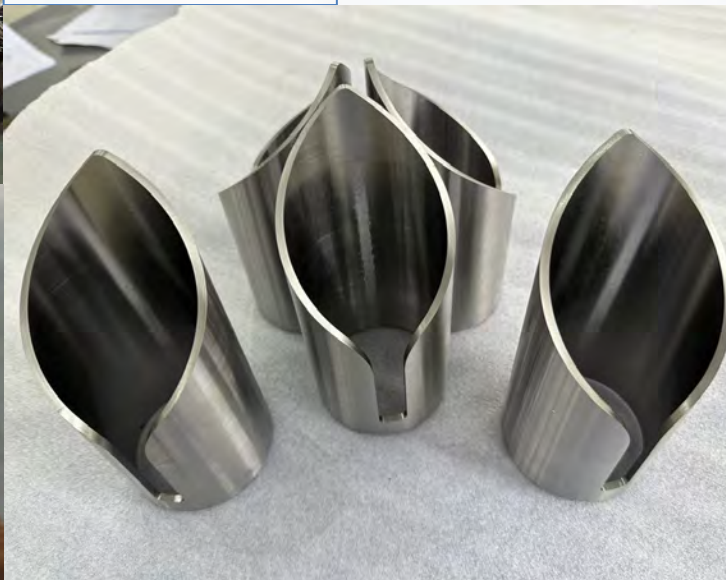
Mechanical Parts
In Process



Tube Sheet



Mechanical Parts

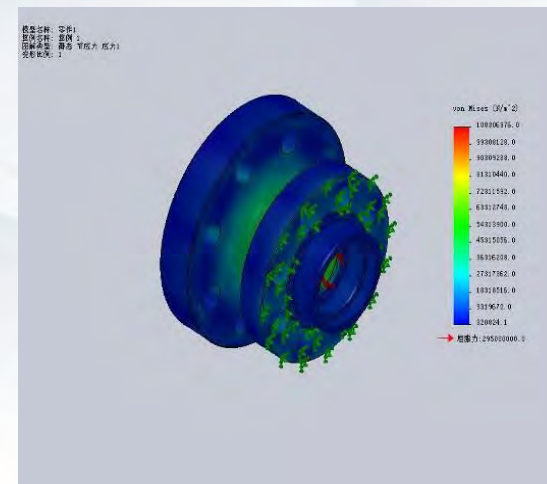
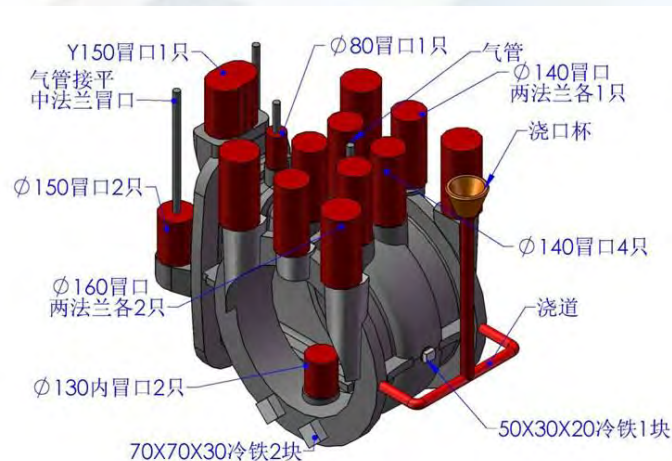
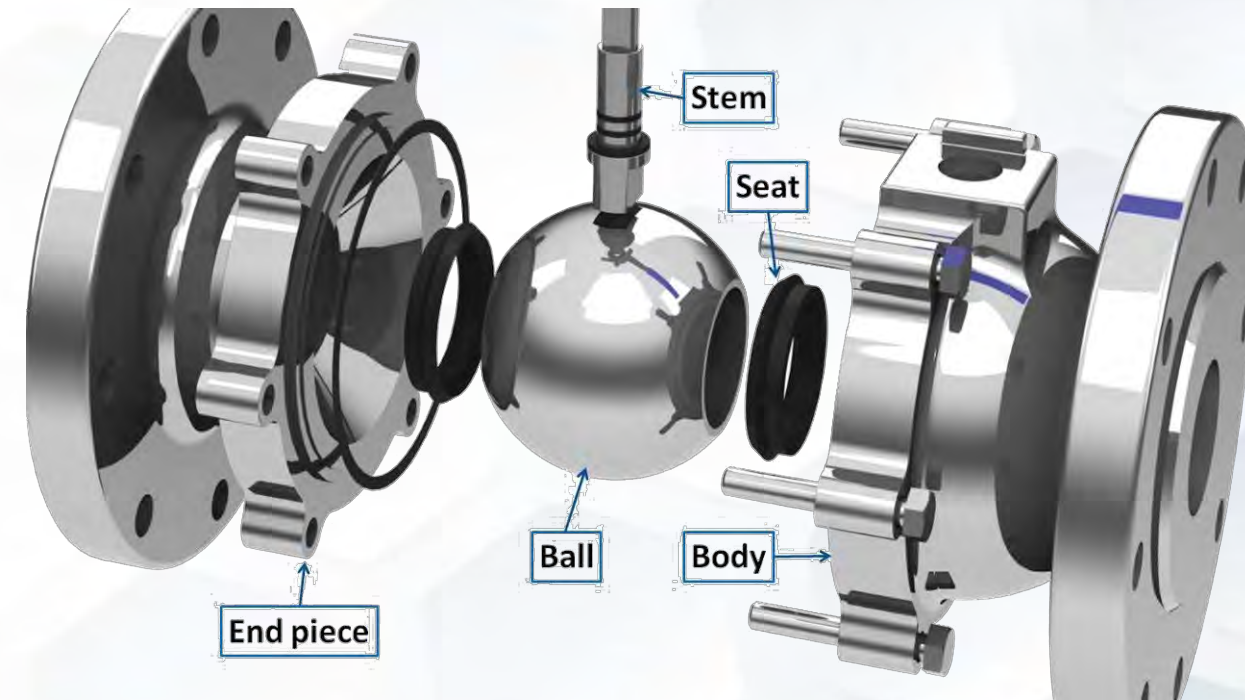


Marine Valve



Special Attention has been giving to valve Technical and Engineering research, since JEV first establishing.
The Team always provides the professional solution to client.

- Standard/Client's Specification Studying
- Solidworks & CAD Design
- Solidification Simulation
- Foundry Experience



Quality Control

03

Quality Control

- ▶ Full Time Control
- ▶ Laboratory
- ▶ Testing Equipment



All Steps conducted and controlled by JEV

Casting & Sample Test

Raw Material

Welding
&
Machining

Including NDE

Assembling

Testing

Including Painting Test

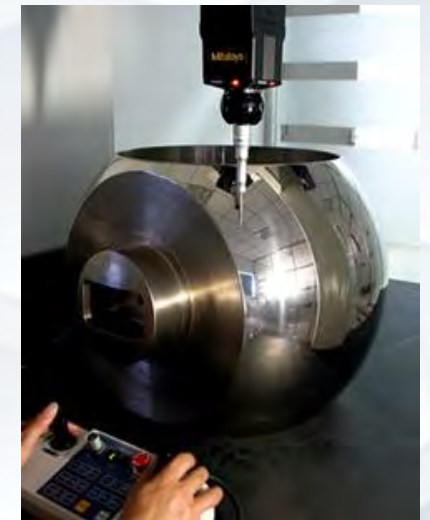
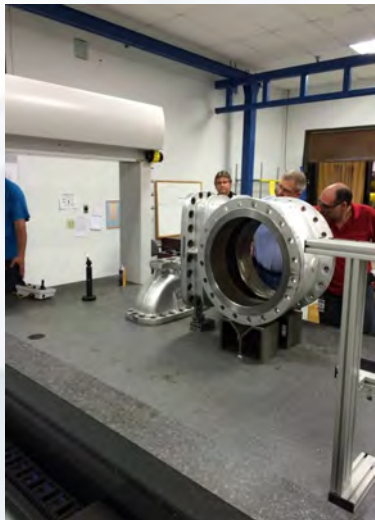
Painting

Packing

Suitable for Sea/Air way

As per Requirements

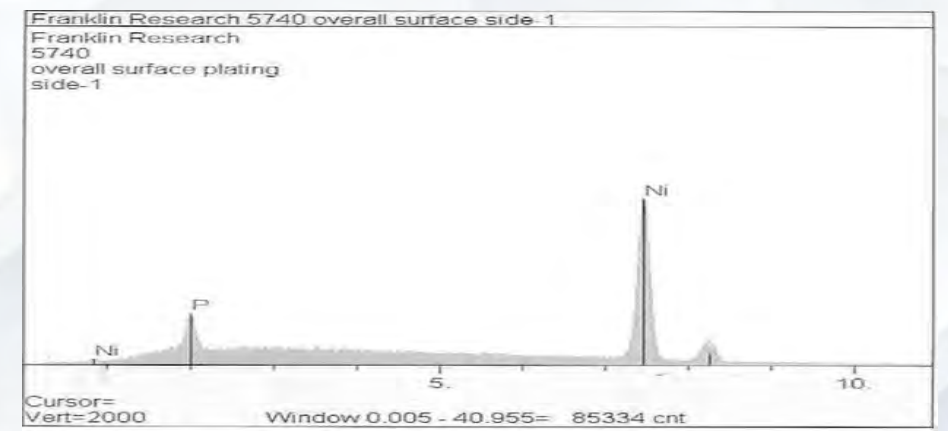
Documents



Quality Control

Laboratory

JEV invests own laboratory to do test for **Mechanical, Chemical, Metal Graphic, NDE Test, Painting Test, etc**, which ensure all products satisfy client's requirement.



Quality Control

Laboratory

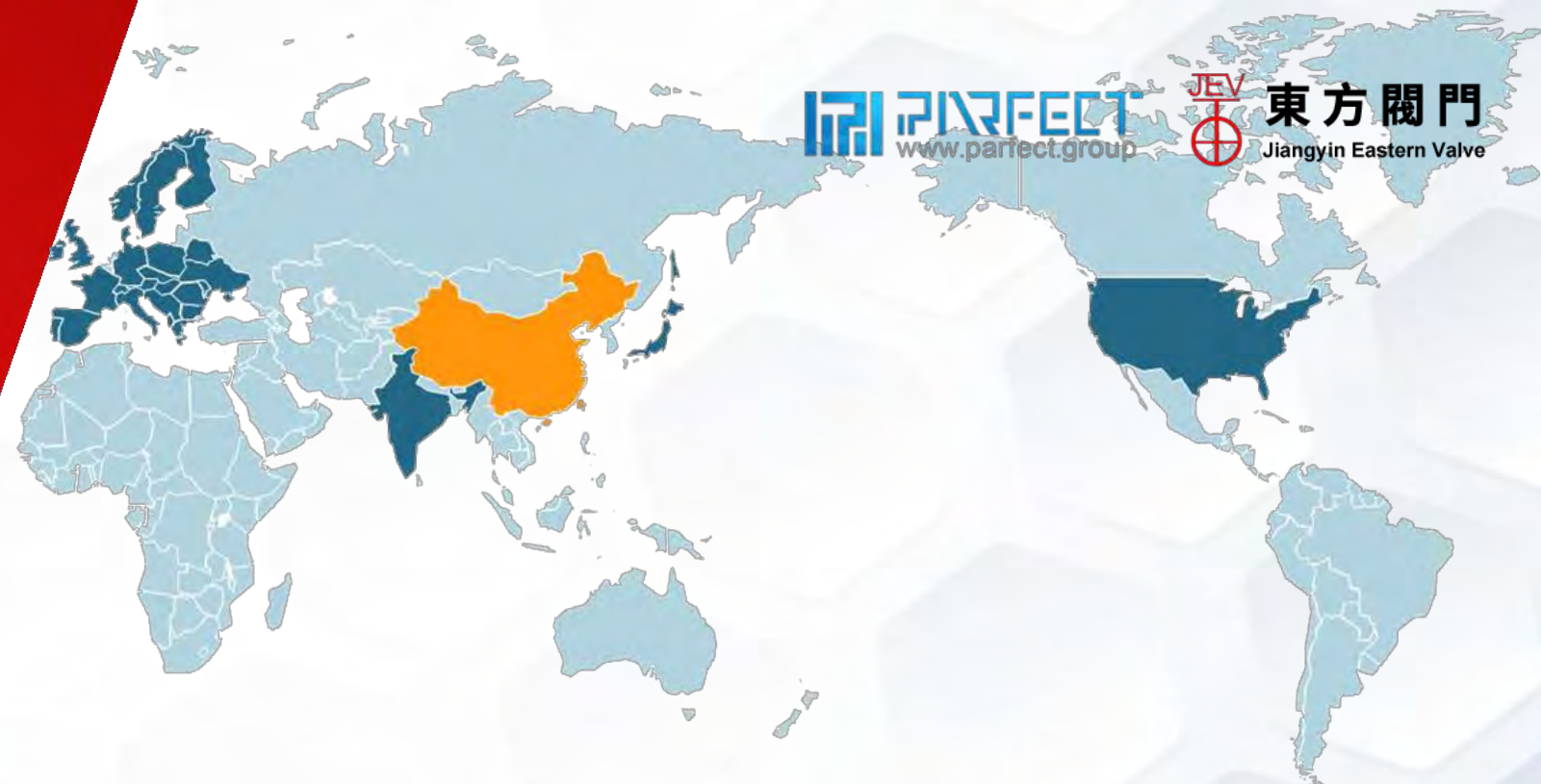
Mechanical, Chemical,
Metal Graphic, NDE Test,
Painting Test, etc.



Quality Control

Main Test Equipments

Production Equipment			Inspection equipment			Sand casting Foundry equipment				
No.	Equipment description	Specification	No.	Equipment description	Specification	No.	Equipment description	Specification	Qty	Status
1	CNC Vertical Turning	CA5112E*10/5	1	calliper, micro-calliper, etc	2 meter max	1	Induction furnace	1.5T	2	OK
2	Manual Vertical Turning	CA5116E*10/5	2	Tensile	600KW	2	Induction furnace	2T	2	OK
3	CNC Vertical Turning	CA5116E*14/5	3	Hardness HB tester	HB-300	3	ladle	5T	1	OK
4	Manual Vertical Turning	CA5225*16/10	4	Hardness HRC tester	HB-150A	4	ladle	3T	1	OK
5	Manual Vertical Turning	CA5225*20/12-1	5	Hardness HV tester	HV-10B	5	ladle	2T	2	OK
6	Vertical Machining Center	VM1000-DTC1370B-NPB-1000A	6	Charpy impact tester	JB-300B	6	gas-fired heat treatment furnace	10T	2	OK
7	Horizontal Machining Center	HM8000	7	Portable hardness tester	HLN	7	sand mixing machine	S3110	3	OK
8	Manual Lathe	CA6140*1000	8	Spectrometer	OBLF	8	shot-blasting	Q326	1	OK
9	Manual Lathe	C630/1500—C630*3000	9	PMI	OLYMPUS	9	shot-blasting	Q378	5	OK
10	Manual Lathe	CW6180—CW61190L-3000	10	RT(γ-Ray (Ir 192)	TS-IA	10	shot-blasting	Q3780	1	OK
11	CNC Lathe	CAK6150*890—HTC125140*1400	11	Microstructure microscope	400X	11	cranes	LD5T	8	OK
12	Drilling machine	Z3050*16/2	12	MT	TY- II	12	cranes	LD10T	3	OK
13	Drilling machine	Z3080*25*2	13	UT	PXUT-350	13	cranes	QD16T	1	OK
14	Drilling machine	Z3040*13/2	14	Surface roughness tester	MX-01	14	Electric Heat treatment furnace	RT3-380-10T	3	OK
15	Vertical mill	Z5140B—Z5180B	15	Low temperature tank for AKv	DWC-60	Lost-wax casting foundry equipment				
16	CNC Drilling	ZK5140B	16	sand mold strength tester	3 Mpa	No.	Equipment description	Specification	Qty	Status
17	Vertical Mill	X5032	17	CMM	Global Classic SR,Explorer 10218	1	Induction furnace	0.75T	2	OK
18	Horizontal Mill	XT2—XT45-D	Auxiliary equipment			2	Induction furnace	1T	2	OK
19	Multi-function Mill	X6120—X6132	No.	Equipment description	Specification	3	Induction furnace	0.25T	2	OK
20	Grinding machine	M7350	1	Special tool Grinder	MQ6025A-M7130	4	Gas-fired heating furnace	20T	2	OK
21	OD Grinding machine	M1332B*1000	2	sawing machine	GB4025—GW4265/70	5	Gas-fired heat treatment furnace	6*2.4*2.8M	3	OK
22	Boring	TSP619	3	CNC sawing machine	GE4230/35A	6	Gas-fired heat treatment furnace	3.8*2.4*2.8M	1	OK
23	CNC horizontal Boring	TK611B/1	4	vertical sawing machine	GA4545	7	wax recycling	LCE	1	OK
24	Planing machine	B690—BYS60100	5	compressor	SA60A-10.3M—SA37A-6.2M	8	sand mixing machine	S3110	2	OK
25	Slot hole machining	B5032	6	air drying	/	9	compressor	JM55 JE37A-3	2	OK
26	welding machine	ZB300-1000	7	high pressrue compressor	W 0.8/40—W 1.0/80	10	shot-blasting	Q378	4	OK
27	Plasma welding	/	8	cranes	LD2T-MH2T	11	de-wax box	2.1*1.6*1.4M	2	OK
28	FCAW welding overlay	No-standard	9	cranes	LD3T	12	de-wax box	2.2*2*1.6M	2	OK
29	SAW	DC600	10	cranes	LD5T	13	wax molding line		1	OK
30	hydro tester	YFB100—YFB600	11	cranes	LD10T	14	carne	LD5T	12	OK
31	Pama CNC boring and milling machining center machining centers	SPEEDMAT3000	12	cranes	LD20T	15	carne	LD3T	2	OK
			13	painting line	30T-50T	16	carne	LD5T	1	OK
			14	Painting house	/	17	shot-blasting	Q326	1	OK
			15	Fork truck	3.5T	18	Spectrometer	OBLF	1	OK



Main Clients

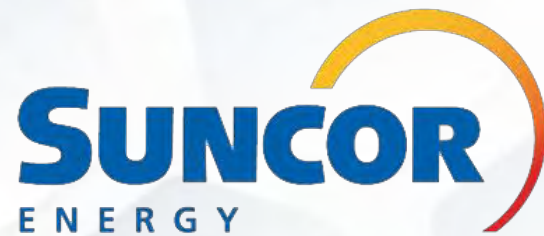
04

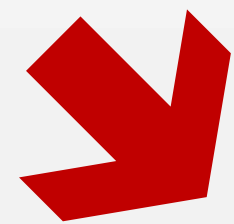
Main Clients

► Main Clients

Main Clients

OEM Valves are distributed to world famous clients.





THANKS
FOR WATCHING