



GISAN FORGING CO., LTD.

www.gisan-forging.com



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[Head Office & Factory]

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[Second Forging Factory]

26, Dasan-ro 175beon-gil, Saha-gu, Busan, Republic of Korea

2020.01.29

Overview

Company History

Major Products

Organization

Manufacturing Equipments

Quality Policy

Test/Inspection Equipments

Certifications

Main Customers



C.E.O_ Young-Duck, Chung

As a result of utmost effort of all staffs and workers to make qualified forged products, GISAN Forging Co., Ltd. is now on its way to one of the best enterprises in free forging field only after 15 years of company establishment.

On the basis of extensive knowledge and experience acquired up to now, we intend to play a critical role as a leader in free forging industries by extending our endeavor into the manufacturing of forged products utilized in Shipment, Chemistry Plant, Wind Power, Power Plant and so on.

GISAN Forging Co., Ltd. promises not only to pursue in making a profit, but also to contribute to the advance of society's welfare by sharing our growth with our neighbors as well as our employees and our customers.

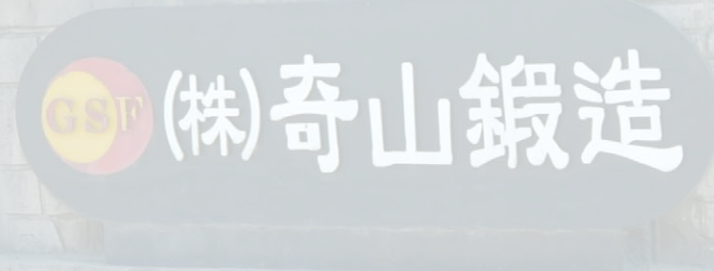
Founded : Aug 26, 1996
C.E.O / Founder : YOUNG-DUCK,CHUNG

Location
[Head Office & Factory]
 #303-3, SINCHEON-RI, HANLIM-MYEON, GIMHAE-SI, GYEONGNAM, KOREA

[Second Forging Factory]
 #1504-9, DADAE-DONG, SAHA-GU, BUSAN, KOREA

[Machining Factory]
 #303-3, SINCHEON-RI, HANLIM-MYEON, GIMHAE-SI, GYEONGNAM, KOREA

No. of Employee : 34 Persons



- 1996.8** Established GISAN RING FORGING CO., LTD.
- 1996.11** Installed 1,000ton Press
- 1997.1** Installed Heating and Heat Treatment Furnace
- 2006.7** Obtained ISO9001:2000 Certification from ABS QE
- 2008.3** Extension of 2ndFactory in GIM-HAE-SI city
Installed 4,200ton Press, Heating and Heat Treatment Furnace at GIMHAE factory
Installed Ø3,200mm Ring Rolling Mill Machine
- 2008.4** Approved by ABS as a forging manufacturer of carbon and carbon-manganese steel
- 2008.5** Approved by DNV as a forging manufacturer of carbon and carbon-manganese and alloy steel
- 2008.6** Conversion of company name from GISAN RING FORGING CO.,LTD to GISAN FORGING CO., LTD.
- 2008.7** Moved Head Office and Factory to GIMHAE factory.
- 2008.9** Approved by GL and KR as a forging manufacturer
- 2011.8** Approved by LR as a forging manufacturer
- 2014.3** Installed 2,500ton Press
- 2014.6** Approved by NK as a forging manufacturer
- 2014.8** Approved by BV as a forging manufacturer
- 2015.1** PED (Pressure Equipment Directive), Certification from ABS Group Ltd.
- 2017.12** Installed Smart-factory (MES, HMI)
- 2018.12** Installed Electronic Heat Treatment Furnace at Gim-hae factory

- ISO9001: 2008 Certification from ABS QE
- PED(Pressure Equipment Directive) Certification from ABS Group Ltd.
- ABS Certification as a forging manufacturer (U.S.A)
- DNV Certification as a forging manufacturer (Norway)
- GL Certification as a forging manufacturer (Germany)
- KR Certification as a forging manufacturer (Korea)
- LR Certification as a forging manufacturer (U.K)
- NK Certification as a forging manufacturer (Japan)
- BV Certification as a forging manufacturer (France)



Manufacturing Equipments

No.	Name	Capacity	Q'ty	Remark
1	Ring Rolling Mill	Ø3200 mm	1	
2	Press	1000 Ton	1	Second Factory
		2500 Ton	1	
		4200 Ton	1	
3	Heating Furnace	20, 15 Ton/Charge	2	Second Factory
		40 Ton/Charge	3	
4	Heat Treatment Furnace	20 Ton/Charge	1	Second Factory
		80 Ton/Charge	1	
5	Band Saw	Ø600 mm	1	Second Factory
6	Fork Lift	20,16,10 Ton	5	
7	Manipulator	10 Ton	1	
		5 Ton	2	Second Factory
8	Vertical Lathe	Ø1600, 1800 mm	2	Machining Factory
9	Horizontal Lathe	Ø500 mm	1	Machining Factory
10	NC Milling / MCT	#8 / #20	2	Machining Factory



Ø3200 Ring Rolling Mill

Weight : Max. 7 Ton
Outer Dia. : Max. Ø3200
Height : Max. 800mm

This is facility for the optimum manufacturing of ring product by Ring Rolling Process.Advanced ring rolling equipment can roll contours in both the inner and outer diameter of the ring, allowing for excellent weight reductions, material savings, and reduced machining cost.



4200 Ton Press

Weight : Max. 15 Ton
Outer Dia. : Max. Ø2800 (for Blind)
Length: Max. 7,000mm (for Bar)

This is four-column open-die forging press.
This is able to flexibly produce forgings with complex forms.



2500 Ton Press

Weight : Max. 15 Ton
Outer Dia. : Max. Ø2,000 (for Blind)
Length: Max. 6,000mm (for Bar)

This is four-column open-die forging press.
This is able to flexibly produce forgings with complex forms.



Heating Furnace

Weight : Max. 40 Ton / Charge
SIZE : 2,000(W) x 4,500(L) x 2,800(H)

This is facility for material heating before forging process. Heating temperature is automatically controlled by computer program as per material grade.
And step-by-step heating is also available which is suitable especially for the heating of special steel.



Heat Treatment Furnace

Weight : Max. 80 Ton / Charge
SIZE : 3,000(W) x 8,000(L) x 2,800(H)

Its car type Heat Treatment Furnaces are suitable for performing heat treatment processes such as Normalizing,Normalizing & Tempering, Annealing and Stress Relieving. It uses LNG for energy resource so that it can achieve inside temperature uniformly to improve the quality of raw materials

Test & Inspection Equipments

No.	Name	Capacity	Q'ty	Remark
1	Spectrometer	Metal LAB	1	G.N.R Italia
2	Universal Testing Machine	50 Ton	1	Korea
3	BRINELL Hardness Tester	3,000 kgf	1	Korea
4	CHARPY Impact Tester	30 kg f.m	1	Korea
5	Ultrasonic Tester	USK-7B	1	Germany
6	Ultrasonic Tester	USM-GO	1	U.S.A
7	Magnetic Particle Tester	YOKE	1	Korea



Spectrometer

Capacity : 32 Channel

This is facility to analyze chemical substances of carbon steel, alloy steel, stainless steel and other materials.



Universal testing machine

Capacity : 50 Ton

This is facility to test mechanical properties of materials. (Tensile, Yield Strength, RA etc.)



Spectrometer

Capacity : 30 kgf.m
Facility to test Joule energy value of materials.



BRINELL Hardness Tester

Capacity : 3000 Kg
Facility to test hardness of materials.



NDE Tester (UT, MT, PT)

Ultrasonic Tester, Magnetic Tester and Liquid Penetrant

Quality Policy

*Better Quality,
Best Products !!!*

-  Continuous Improvement of Quality.
-  Speedy and Precise Control of Quality.
-  Exceed Customers' Expectations and Needs.

Business Area

Major Products

Shipbuilding Items

PINTLE, Generator/Motor Shaft
Propeller/Intermediate Shaft
Connecting/Piston ROD
Crank Throw, Rudder Stock
Crane Wheel, Impeller Hub
Forge Shell

Chemistry Plant Items

Nozzle, Self Reinforced Nozzle
Hydraulic Main Shaft
Welding Neck/Blind Flange
Tube Sheet, Channel Cover

Wind Power & Power Plant Items

Door Frame, Yaw Ring
Tower FLG, Motor Shaft
Inner/Outer Ring for Pitch Bearing
Gear Rim, Distance/Lock Plate
Diaphragm Ring
Strip Holder, Packing Casing/Ring

Others

Bolt, Nut, Nut Jack, Wheel
BRG/Internal Gear, Flat Cover
Slewing Ring/Hub BRG/Boss
BRG Housing, Pump Plug
Round/Square Bar
Sole/Hook Plate, Gear/Slip Ring

Petrochemical Plant

TUBE SHEET



FORGING NECK



WELDING NECK FLANGE
(Free Forging & Ring Rolling Mill)



FORGING BLIND



Industries & Shipbuilding Plant Items

CRANE WHEEL



SHAFT



FORGING NECK



FORGING BLIND



Power Plant Items



DIAPHRAGM RING



DOOR FRAME
(for WIND TOWER)



Slewing Ring

Supplying Experiences

[Domestic]

No.	Item Name	Project Name	Customer Name	Delivery
1	BOSS	HANWHA Storage Vessel	ILJIN E&C	2005
2	BOSS	TAEAN Thermal Power Plant	JM	2005
3	WHEEL		DAEDONG Heavy Ind. Co.	2006
4	NOZZLE	YOUHUNG Thermal Power Plant	JM	2006
5	FORGED NECK	HOPKING UNIT HP2A	SEDAE ENERTECH	2006
6	FLANGES	High Pressure BRAKER	HYUNDAI Heavy Ind. Co.	2007
7	FLANGES	STD FLANGE	ILSIN PRECISION CO.	2007
8	NOZZLE	PRP PJT	ILSIN PRECISION CO.	2007
9	TUBE SHEET	10 TDP DME Demo Plant TPE	TAERYANG PRECISION	2007
10	BOSS / NOZZLE	HP PROJECT	TAEBANG	2007
11	NOZZLE	QUATAR Gas 3&4 On-shore	ILJIN	2007
12	NOZZLE	BORSIG NANHAI 3"	DAEKYUNG TECHNOS	2008
13	FLANGES	KUMHO Petrochemical H/EX Plant	YUHAN TECH	2008
14	TEST RING / FLANGE	VGO Plant Refinery EX	SUNGJIN GEOTEC	2008
15	FLANGES		DAECHANG Machinery Co., Ltd.	2008
16	SHAFT / FLANGE	CHAN 1679	DOOSAN ENGINE	2008
17	FLANGES	Green Diesel PJT	SE-A E&T	2009
18	FLANGES	ENECOGEN Steam Drum	DAEKYUNG TECHNOS	2009
19	PLATE	HOT LEVELLER CASSETTE	TAECHANG	2010
20	PLATE	POSCO PLATE	SMS EEMAG	2010
21	FLANGE / NOZZLE	OIL UNIT	DONG HWA ENTEC	2010
22	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	BD BOTTOM H/C PJT	LG CHEMICAL	2010

No.	Item Name	Project Name	Customer Name	Delivery
23	TUBE SHEET / BAFFLE	JUBAIL EXPORT REFINERY PJT	SAMSUNG ENG.	2010
24	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	ESMERALDAS PJT	SK CON.	2010
25	FLANGE / NOZZLE	KPA REVAMP PJT	DAEWOO CON.	2011
26	TUBE SHEET / BAFFLE	Group IIIBase Oil Production PJT	HYUNDAI ENG.	2011
27	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	DOW FALCON PROJECT	SAMSUNG ENG.	2011
28	TUBE SHEET / BAFFLE	JUBAIL EXPORT REFINERY PJT	SAMSUNG ENG.	2011
29	FLANGE / NOZZLE	SOUTH PARS 12	HYOSUNG	2011
30	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	YANBU Export Refinery Package #216 PJT	DAELIM IND.	2011
31	FLANGE / NOZZLE	RUWAI LBO PJT	HYUNDAI ENG.	2011
32	TUBE SHEET / BAFFLE	KISCO PJT	HYOSUNG	2011
33	TUBE SHEET / BAFFLE	MECELLOSE F-PLANT	SAMSUNG FINE CHEMICALS	2012
34	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	DAESAN BRA PJT	LG CHEMICAL	2012
35	TUBE SHEET / BAFFLE	BPA PROJECT	LG CHEMICAL	2012
36	FLANGE / NOZZLE / TUBE SHEET / BAFFLE	H PROJECT	SK ENERGY	2012
37	TUBE SHEET / BAFFLE	PETRON BATTAN PJT	DAELIM IND.	2012
38	TUBE SHEET / BAFFLE	MATIX PJT	HYOSUNG	2012
39	NOZZLE STF 13 & 14	MIRAFI PJT	DKME	2015

[Overseas]

No.	Item Name	Project Name	Customer Name	Delivery
1	STD FLG A182F304	ARUN LNG RECEIVING HUB & REGASIFICATION TERMINAL	INDONESIA	2015
2	TUBESHEET SA765GR2 FLANGE SA350LF2 +INCONEL625	TERENGGANU GAS TERMINAL(TGAST) DEVELOPMENT PJT	CAMERON / CARIGALI /SAMSUNG ENG	2015
3	STD FLG A182F304 / 304L	ESI CCI PJT & DODSAL ENG &CONSTRUCTION PTE LTD.	MASDAR / ADNOC, ABU DHABI	2015
4	STD FLG A105	TOYO. INDOORAMA ELEME FERTILIZER AND CHEMICAL LTD PJT	N/A	2014
5	STD FLG A105	PUSRI-IIB PJT2000 MTPD AMMONIA & 2750 MTPD UREA	PT. PUPUK SRIWIDJ AJA PALEMBANG	2014
6	NOZZLE SA105N	AGUADA PICHANA, PILOT FOR APXP-1001 GEOLOGICAL CELL 12DRY GAS SHALE WELLS CONNECTION	TOTAL AUSTRAL	2014
7	NOZZLE SA182F316	MALIKAI TLP PJT	MALAYSIA	2014

No.	Item Name	Project Name	Customer Name	Delivery
8	TUBESHEET SA182F51	SAGAR PRAGATI CONVERSION PJT	OIL & NATURALGAS CORP. LTD INDIA	2014
9	STD.BAFFLE T/S SA266GR2 A36 FLG	E-270A/B TUBE BUNDLE FABRICATION	LOTTE CHEMICAL TITAN(H) SDN BHD	2014
10	STD. FLG	PGE Kamojang	INDONESIA	2014
11	TUBESHEET INCOLOY800	HEATSOL SYSTEM PJT	EXXON MOBIL	2014
12	T/S SA266GR2+SB171 C70600 CLAD	REPLACEMENT HELIX BUNDLE : TOP CONDENSER	ODFJELL TERMINALS ROTTERDAM BV	2014
13	STD. FLG SA105	N/A	SABIC	2014
14	TUBESHEET & STD. FLG SA789 S31803 & SA105	ARCTIC GAS PJT	BERNHARO SCHULT SHIP MANAGEMENT (UK) LTD	2014
15	TUBESHEET & STD. FLG SA105, SS400 & SA516GR70N	TEN Development PJT : EPSO Package	TULLOW GHANA LTD	2013
16	TUBESHEET & STD. FLG SA516GR70	MANILDRA PJT	UNIQUIP ENG	2013
17	FVC FLANGE SA105N	Cilacap Resid Fluidcatalytic Cracking (RFCC)	PT. PERTAMINA	2013

Main Customers

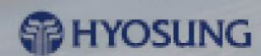
DOMESTIC



DOOSAN

DK (주)동국S&C

DONGKUK S&C



HYOSUNG & Hyosung EBARA Co., Ltd.

posco plantEC

(주)포스코플랜텍



WOORIM MACHINERY CO., LTD. | 祐林機械株式會社

OVERSEAS

TOSHIBA

Nippon Steel Corporation

ExxonMobil



National Petroleum Construction Company

Abu Dhabi - UAE



- TOSHIBA CORPORATION NIPPON

- MITSUBISHI HEAVY INDUSTRIES

- STEEL CORPORATION

- CAB INCORPORATED (USA)