

# MYSCO Co.,Ltd



**MYSCO CO., LTD**

**[www.msmco.co.kr](http://www.msmco.co.kr)**

# COMPANY HISTORY

## VISION

**“ Leading Forging Supplier in the world”**

**Ethical  
Management**

**Best  
Quality**

**Mysco  
CORE**

**High profile  
Technology**

**Customer  
Satisfaction**

2006. Aug Company established as a BIM Co., Ltd. at Bonsan factory

2007. Dec Construction of factory completed  
Started Operating 500Ton press

2008. Jun ISO 9001 Certified  
Started Operating 1,800 ϕ Rolling Mill

2009. May Started operating 2,000Ton Press  
Jun Upgrading 500Ton press to 750 Ton press  
Upgrading 1,800 ϕ RRM to 2,000 ϕ RRM

2009. Oct Enterprise specializing in part material cert.

2010. Jul Establish Company R&D center

2012. Oct ABS class certified  
PED 97/23/EC certified

2013. Jun Company name and Corporate changed  
from BIM Co., Ltd.  
to Myung Sung Metal Co., Ltd.

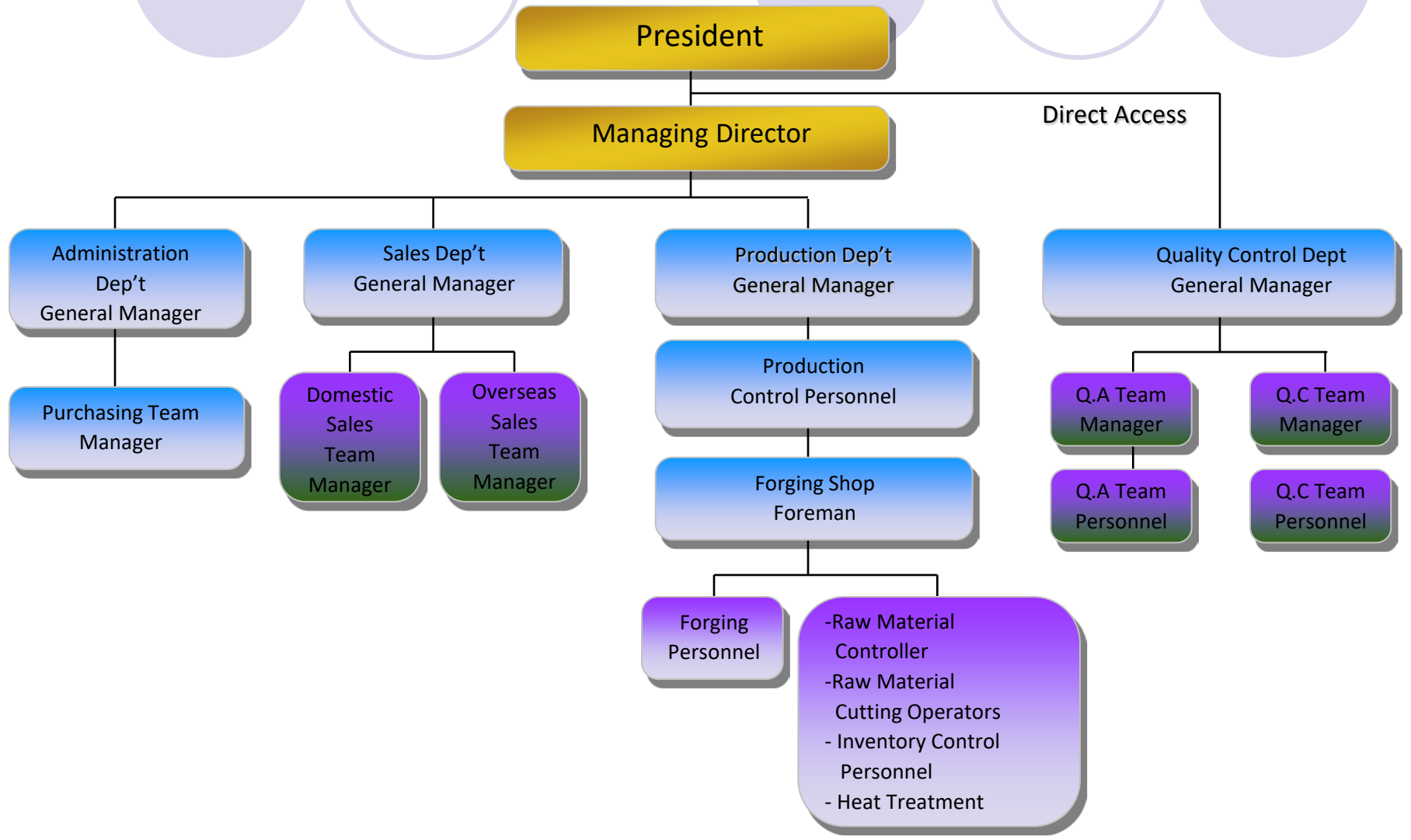
2015. Mar Move to new head office from Bonsan factory  
to Juchon factory

2017. Dec CPR certified

2018. Jan Company name changed from Myung Sung  
Metal Co., Ltd. to MYSCO Co., Ltd.

Company		MYSCO Co., Ltd	
<b>Est. Date</b>	Aug. 2006	<b>President</b>	Mr. H. D. KIM
<b>Capital</b>	USD 2.0 Mil.	<b>Employees</b>	40 persons
<b>Core business</b>	Oil and Gas /Wind Power/Power Plant/ Off-shore PJT		
<b>Location</b>	86-71 Seobu-ro 1541 beon-gil, Juchon-myeon, Gimhae-si, Gyeongsangnam-do, Korea		

# ORGANIZATION CHART



## FACTORY OVERVIEW

<Factories of **MYSCO** Co., Ltd.>

**Bonsan Plant**



**Juchon Plant**



**Press**

**5,000Ton**



**2,500Ton**



<b>Capacity</b>	<b>5000Ton</b>	<b>2500Ton</b>
<b>Max. OD</b>	<b>2,500mm</b>	<b>3,900mm</b>
<b>Max. Length</b>	<b>15 m</b>	<b>12m</b>
<b>Max. Weight</b>	<b>30Ton</b>	<b>16Ton</b>

**Ring Rolling Mill**

**6,000Φ**



- **Maximum OD : 6,000mm**  
**Maximum length : 1,200mm**  
**Maximum weight : 24Ton**
- **Ring Type equipment for Profile forging**

**Press**

**2,000Ton**



**750Ton**



<b>Capacity</b>	<b>2000Ton</b>	<b>750Ton</b>
<b>Max. OD</b>	<b>2,200mm</b>	<b>1,000mm</b>
<b>Max. Length</b>	<b>5 m</b>	<b>3m</b>
<b>Max. Weight</b>	<b>15Ton</b>	<b>4Ton</b>

**Ring Rolling Mill**

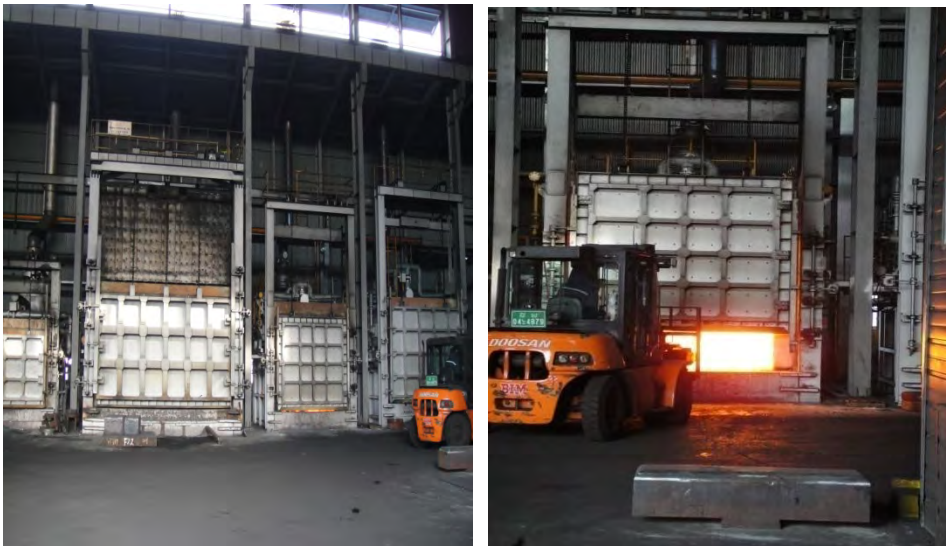
**2,000Φ**



- **Maximum OD : 2,000mm**  
**Maximum weight : 3.5Ton**
- **Ring Type equipment for Profile forging**

**Heating Furnace**

**Batch Type**



No	Description	Remark
1	15Ton, 20Ton, 30Ton, 50Ton - 1ea	Bonsan Plant
2	25Ton - 2ea	Juchon Plant
3	30Ton - 1ea	Juchon Plant
4	50Ton - 5ea	Juchon Plant

**Heat-treatment**

**Car Type**



No	Description	Remark
1	20Ton/ch(2400Wx1800Hx3500L)	Bonsan Plant
2	60Ton/ch(5500Wx3300Hx7000L)	Juchon Plant
3		
4		

## 1. Manufacturing Capacity

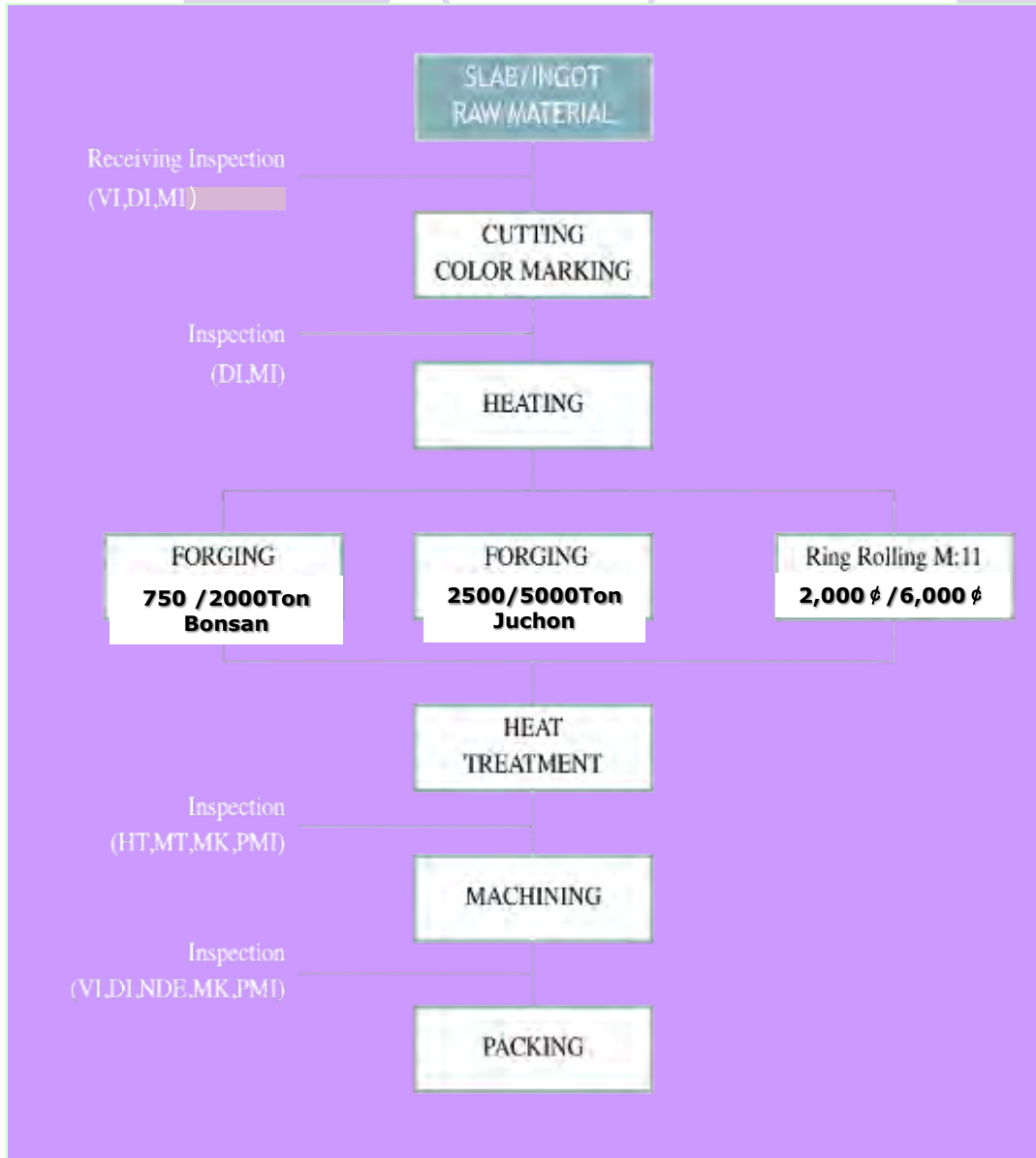
Type	Size(Max)	Weight(Max)	Remark
Tube sheet	OD3,900mm	30ton	
Ring	OD6,000mm	24ton	
Square	W1,500mm	30ton	
Bar & Shaft	OD1600mm	30ton	Max 15,000mm(L)

## 2. Material

Type	Applicable Standard	Supplier
Carbon steel	ASTM/ASME, JIS, DIN A105, A266, A350, A694, SF590	POSCO, Seah, Hyundai
Alloy Steel	ASTM/ASME, JIS, DIN A182, A336, Inconel625/825	POSCO, Hyundai, Seah
Stainless	ASTM/ASME, JIS, DIN A182F304/L, F316/L, F51, F53, F55, F91, F6a	POSCO, Outokumpu, Walsin



# MANUFACTURING PROCESS



VI : Visual Inspection

DI : Dimensional Check

NDE : Non Destructive Examination

MI : Material Identification

CA : Chemical Analysis

HT : Heat Treatment Record Review

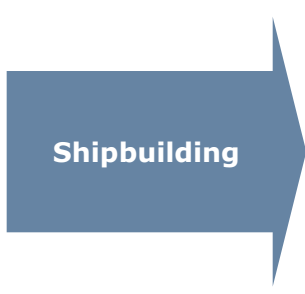
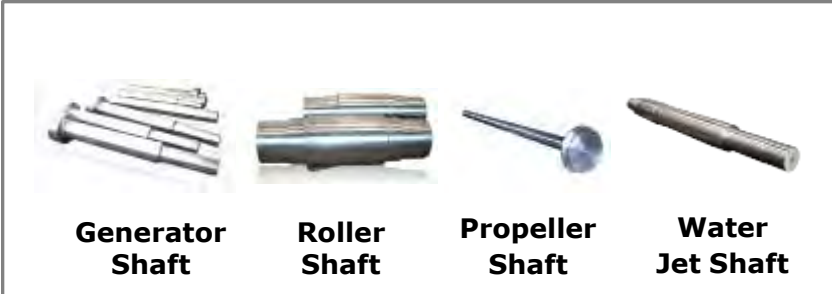
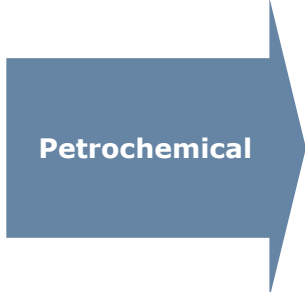
MT : Mechanical Test

MK : Product Marking

PMI : Positive material identification

**Main items**

**MYSCO Application**



# TEST EQUIPMENT



UNIVERSAL TESTING MACHINE



UT



CHEMICAL ANALYZER (FIXED TYPE)



CHEMICAL ANALYZER (PORTABLE TYPE)



BRINELL HARDNESS TESTER



IMPACT TESTER ASTM TYPE



METALLIC MICROSCOPE



METALLIC SAMPLE MOLDING MACHINE (MOUNTING PRESS)



PORTABLE X-RAY MATERIAL MEASURING INSTRUMENT



IMPACT TESTER JIS TYPE



SHORE DUROMETER



ROUGHNESS MEASURING INSTRUMENT

# CERTIFICATE STATUS

## ISO(9001:2008)



**MYUNG SUNG METAL CO., LTD.**  
 99-71, 1941boon-gil, Seodun-ro, Juseongmyeon, Gimhae-si, Gyeongsangnam-do, Korea

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below:

**ISO 9001:2008**  
 Scope of certification  
**Manufacture of Free Forging Products (Flanges, Nozzles, Shafts and Tube sheets)**

Original certificate start date: 13 March 2014  
 Entry date of previous option: 12 March 2017  
 Certificate / Recertification Audit date: 14 February 2017  
 Certification / Recertification cycle start date: 03 March 2017

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: 14 September 2018

Certificate No. 180431022      VERITAS 1, Boulevard de la Woluwe 62, 1200 Brussels, Belgium

UKAS logo

Page 1 of 2

## PED 2014/68/EU



**APPROVAL CERTIFICATE FOR QUALITY ASSURANCE SYSTEM OF MATERIAL MANUFACTURING**  
**CERTIFICATION D'APPROBATION DE SYSTEME DE SYSTEME DE QUALITE POUR LA FABRICATION DE MATERIAUX**

**N° CE-PED-MM-MSM-001-17-KOR**

BUREAU VERITAS S.A., hereby certifies that the below named material manufacturer has an appropriate Quality Assurance System that has undergone a Specific Assessment for Material according to:

The European Pressure Equipment Directive 2014/68/EU and its annex 1 §4.3

BUREAU VERITAS S.A., certifie que le fabricant de matériaux métalliques ci-dessous a un système d'assurance qualité approuvé qui a été l'objet d'une évaluation spécifique pour les matériaux conformément à:

La directive européenne 2014/68/CE et son annexe 1 §4.3

Manufacturer (name) / Fabricant (nom): **Myungsung Metal Co., Ltd**  
 Address / Adresse: **970, Bongsan-ro 241beon-gil, Jinyeong-eup, Gimhae-city, Gyeongsangnam, 50555, Korea**  
 Identification of material concerned (see annexes when necessary) / see Annex pages 2/3 & 3/3  
 Identification des matériaux concernés (liste en annexe le cas échéant) :

Quality Assurance system approval number: **10B061022**, Valid date: **September 14<sup>th</sup>, 2018**  
 Numéro d'approbation du système d'assurance qualité

This certificate is valid until: **March 23<sup>rd</sup>, 2020**  
 Cette attestation est valable jusqu'à :

The approval is conditional upon the manufacturer's audit, tests and certification to be carried out by Bureau Veritas KOREA, as per the provisions stated in the agreement signed by both the manufacturer and Bureau Veritas. La certification est conditionnelle à la réalisation par le fabricant par Bureau Veritas KOREA des audits, essais et certifications selon le contrat signé par le fabricant et Bureau Veritas.

This certificate shall be retained by the user and the manufacturer shall store their any correspondence pursuant to the user when the manufacturer fails to comply with the conditions of the agreement in respect of implementation of the approved quality assurance system. Ce certificat doit être conservé par l'utilisateur et le fabricant conservera leurs correspondances de son utilisation, si les assurances données par le fabricant ne sont pas conformes aux conditions d'approbation de son système qualité approuvé, et d'interaction et de communication avec le fabricant.

SIGNATURE	DATE	SIGNATURE	DATE
Seoul	March 24 <sup>th</sup> , 2017	Hwan PARK	Isabelle DAN

REVISIONS: 0001 / CORR. / ADDITIONNELLES: 001 / 002 / 003 / 004

This certificate is subject to terms of General Conditions of Service attached to the agreement signed by the applicant. Le présent certificat est soumis aux Conditions Générales de Service jointes à la demande d'approbation signée par le demandeur.

Bureau Veritas S.A. - Newtime - 52 Boulevard du Parc - Ile de la Jatte - 92200 Neuilly sur Seine

## CPR



**CERTIFICATE**

**CONCERNING FACTORY PRODUCTION CONTROL ACCORDING TO EN 10225-1:2006, ANNEX ZA**

The Certification Body for Structural Metals Products of TÜV NORD Systems GmbH & Co. KG hereby certifies in accordance with the Register EU Number 000211 of 08 March 2011 that the company:

**MYUNG SUNG METAL CO., LTD.**  
 70, Bongsan-ro 241beon-gil, Jinyeong-eup, Gimhae-si, Gyeongsangnam-do, Korea

has been certified with the construction product:

**Hot rolled products of structural steels**  
**Strength classes S235 to S355**  
 acc. to the EN 10225-2 and -3

- Materials and dimensions according to the mentioned product standard -

which was subject to an initial inspection of the products by the manufacturer and that the construction product is subjected to a continuous factory production control (FPC). The Technical Body conducted an initial inspection of the plant and of the FPC and performs continuous monitoring and conformity assessment of the FPC (Clause 24). The product is responsible for the quality of the CE-marked structural products etc. in the product specified and the Declaration of Performance (DoP).

**Certificate No.: 0045-CPR-2228**  
 Year of first certification: 2015

This certificate has been issued in accordance with the Construction Products Regulation and is valid provided the provisions of the technical national specification become in conformity with and the manufacturing conditions in the plant of the factory production control are not modified to a major degree.

DAAS logo

Hamburg, 06.12.2017

Valid until: 06.12.2020

221-10000 Hamburg, Germany  
 22100 Hamburg  
 22528 Hamburg  
 Germany

Personnel:  
 Tel.: +49 4103 2311  
 Fax: +49 4103 2270  
 E-Mail: info@tuv-nord.de  
 Tel.: +49 4103 2220  
 Fax: +49 4103 2212  
 e-mail: webmaster@tuv-nord.de

Certification Body  
 Structural Metals Products  
 of TÜV NORD Systems GmbH & Co. KG  
 notified body ID number: 0458

## MAJOR PERFORMANCE RECORD

No	Year	End User/Purchaser	Project	Description	Material	Weight (TON)
1	2011	ARAMCO/DAELIM	YANBU PJT	FLANGES	CS	300
2	2011	GASCO/ GS CONSTRUCTION	RRE PJT (UAE)	FLANGES	CS	290
3	2011	ARAMCO/ DOOSAN HEAVY IND	YANBU2 PJT	FLANGES	CS	350
4	2011	JULONG AROMATIC PTE /SK CONSTRUCTION	JURONG AROMATIC COMPLEX PJT	FLANGES & FORGINGS	CS	160
5	2012	LUKOIL-STATOIL / DAECHANG HRSG	IRAQ WEST QURNA-2 PJT	FLANGES & FORGINGS	CS/STS	210
6	2012	PETRONAS/ DAECHANG HRSG	SAMUR PJT	FLANGES & FORGINGS	CS/STS	120
7	2012	PETRON/DKME	PETRON BATAAN PJT	FLANGES & FORGINGS	CS/STS	210
8	2012	SK CONSTRUCTION/DKME	NEW PX PJT	FLANGES & FORGINGS	CS/STS	310
9	2012	PETRON /WOOYANG HC	PETRON BATAAN PJT	FORGINGS & FLANGES	CS/LAS	460
10	2013	DKME	VDU,DRU & HSU PJT	FORGINGS	CS	1,156

## **MAJOR PERFORMANCE RECORD**

<b>No</b>	<b>Year</b>	<b>End User/Purchaser</b>	<b>Project</b>	<b>Description</b>	<b>Material</b>	<b>Weight (TON)</b>
11	2013	DONGWOORI-TRADING	MHI PROJECT	FORGINGS	STS	163
12	2013	ZVU POTEZ a.s.	DOMINANTA PROJECT	FORGINGS	CS	150
13	2013	DOOSAN E&C	IRPC UHV	FORGINGS	CS & STS	95
14	2014	DKME	JAZAN REFINARY PJT	FORGINGS	CS/LAS	200
15	2014	SEWON CELLONTECH	THE DOW CHEMICAL PJT	FORGINGS	CS/LAS/STS	220
16	2014	TSM TECH CO.LTD	BAYTOWN PJT	FORGINGS	CS/LAS	105
17	2014	PETROBRAS	CESSAO ONEROSA AREA DEVELOPMENT	FORGINGS	CS	130
18	2014	HOANG LONG JOINT OPERATING COMPANY	TGT-H05 PJT	FORGINGS	CS	90
19	2015	PETRONAS / EXTERRAN BELLELI ENERGY S.R.L	RAPID PJT	FORGINGS	LAS/STS	190
20	2015	CHEVRON / GE	GORGON UPSTREAM	FORGINGS	CS	120

## MAJOR PERFORMANCE RECORD

No	Year	End User/Purchaser	Project	Description	Material	Weight (TON)
21	2015	HDGSK.J.V	KARBALA PJT	FLANGES	CS	400
22	2015	DAEKYOUNG M&E	TALARA REFINERY	FLANGES	CS & STS	200
23	2015	KNPC	KNPC CFP PJT	FLANGES	CS	50
24	2015	HYUNDAI OILBANK	MX PJT	FLANGES	CS	300
25	2015	PETRONAS / TOYO KANETSU	RAPID PJT	FLANGES	CS/LAS	520
26	2016	SASOL / FLUOR	Lake Charles Chemical PJT	BOSS & FLANGES	CS & STS	180
27	2016	Karbala Refinery / HYUNDAI	KARBALA PJT	BOSS & FLANGES	CS	220
28	2016	Shintec /HYUNDAI ENG	ETHANE CARCKER PLANT PJT	BOSS	CS	80
29	2016	SK ENERGY	2016 T/A	BOSS & FLANGES	CS & STS	70
30	2016	S-OIL / DKME	Residue Upgrading Complex	BOSS & FLANGES	CS & STS	290

## MAJOR PERFORMANCE RECORD

No	Year	End User/Purchaser	Project	Description	Material	Weight (TON)
31	2016	SHIN NIPPON MACHINERY	KNPC-47702,KNPC-47704	FLANGE	S32750	40
32	2016	EBARA	YANAN ACO PJT	FLANGE	A105,F304	20
33	2017	HYUNDAI OILBANK	HDO REVAMPING PJT	FORGINGS	SA266GR2, F51	389
34	2017	E-TECH E&C (DAEKYUNG M&E)	IMC Efficiency Enhancement PJT	FORGINGS	CS/LAS/STS	172
35	2017	E-TECH E&C (DAECHANG HRSG)	IMC Efficiency Enhancement PJT	FORGINGS	CS/LAS/STS	112
36	2017	MHI	UNF PJT	FORGINGS	CS & STS	85
37	2017	KOCH HEAT TRANSFER	KOCH HEAT TRANSFER / NO.3 PX PJT	FORGINGS	CS/LAS	54
38	2017	LG CHEMICAL	LG POE 200KTA PJT	FORGINGS	CS	89
39	2017	DODSAL/KOC	GC-31	FLANGES	CS	45
40						



# **FORGED PRODUCTS**



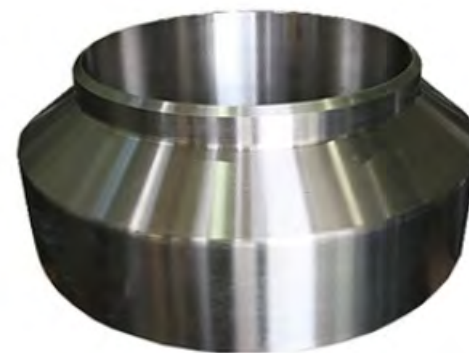
STANDARD FLANGE



LONG WELDING NECK FLANGE

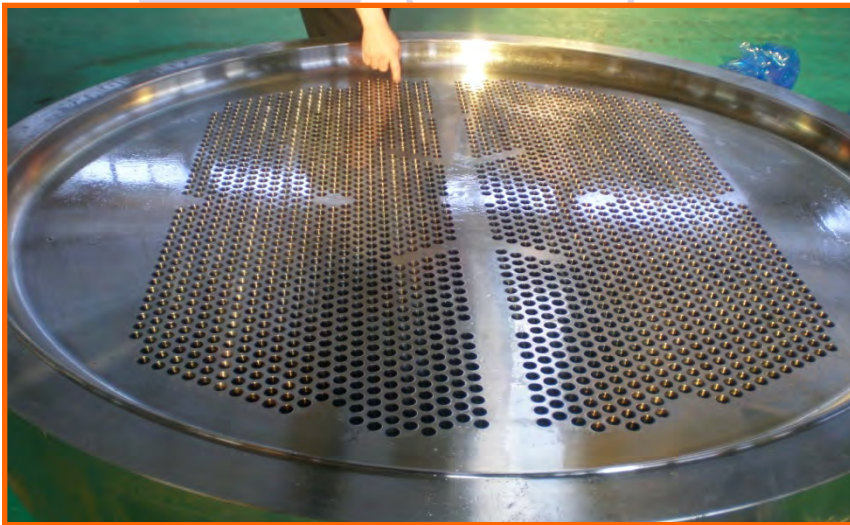


SWIVEL FLANGE



BOSS

# FORGED DISK (TUBE SHEET)



**Tube Sheet , Blind**



**Shaft, Round bar**

# **FORGED RING**



**SUS403,SUS410**



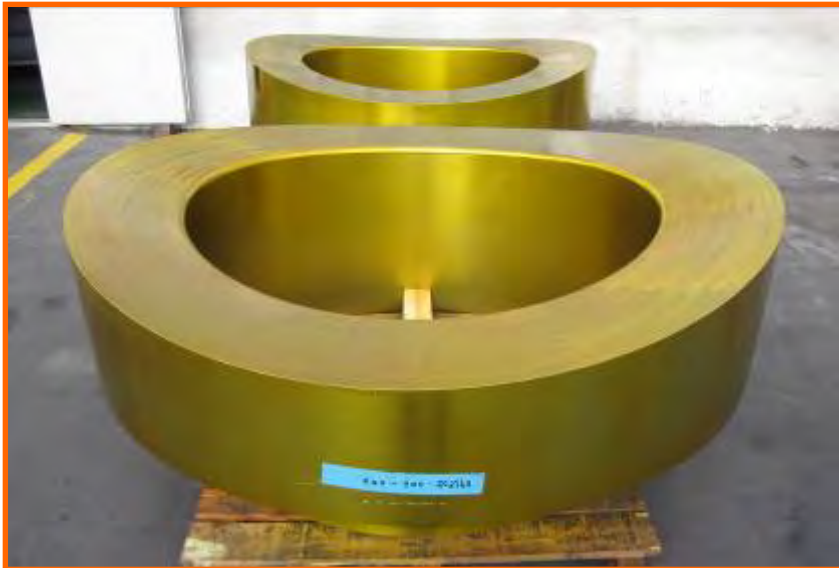
**A182F6NM**

**Flange, ring for petro chemical plant**

# FORGED PIPE



# **FORGED ITEMS**



# **FORGED ITEMS**



# FORGED ITEMS (NOZZLE, BLOCK)



# **MYUNGSUNG METAL MOTTO**

Delivering **Customer Satisfaction** with **the best quality** and **reasonable price** by making ceaseless efforts to improve the quality, cut back on the cost, apply efficient methods based on meeting ISO 9001 and **MYSCO Quality Management System** high profile production technology.

We deeply appreciate your time in seeing our company profile.

***Thanks a lot!***