DARIN STEEL
다린스틸테크(주)

DARIN STEEL TECH Co.,Ltd.

다린스틸테크(주)

OVERLAY/HARDFACING WELDING
METAL FABRICATION PRODUCTS
(HEAT EXCHANGER, PRESSURE VESSEL, ETC.)

이종육성용접, 오버레이, 특수재질용접
열교환기 등 제관품

www.darinsteel.co.kr

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회사 소개 COMPANY INTRODUCTION

We, Darin Steel Tech are specialized in overlay/hardfacing welding and customized metal fabrication products, i.e. heat exchangers, pressure vessels, tanks, etc.
We've performed various projects successfully according to ISO9001, ASME U2 & PRT.
We will always do our best to be a good partner as we supply quality products at competitive price and we keep faith.

저희 다린스틸테크㈜는 이종육성용접과 열교환기, 압력용기 등의 제관품 주문 제작 전문 제조업체이며, ISO9001, ASME U2, PRT에 따라 많은 프로젝트를 성공적으로 수행했습니다.
좋은 품질과 경쟁력 있는 가격, 신의로 항상 고객들의 좋은 파트너가 되도록 최선을 다하겠습니다.

Company motto 사훈

Management policy 경영방침

- We settle matters smoothly through Communication between employees, with customers & suppliers.
  직원, 거래처, 고객 간의 소통을 중요시한다.
- We improve the quality and reduce costs by innovation.
  혁신을 통한 원가절감 및 기술개발에 힘쓴다.
- We contribute to society by efficient management.
  효율적인 경영으로 이윤을 창출하고 사회에 공헌한다.

Organization 조직도

01 Certificate 인증서

CERTIFICATE OF REGISTRATION

QUALITY MANAGEMENT SYSTEM

DARINSTEEL Co., Ltd.

28, Gadal 2 ro 55beon-gil, Gangseo-gu, Busan, Korea

KSC Registrar certifies that
the Quality Management System of the above organization has been
assessed and found to be in accordance with the requirements of the standards below.

Certi.No. : KSQA-191292

Standard

KS Q ISO 9001 : 2015 / ISO 9001 : 2015

Scope of Certification

Overlay Welding and Production of Industrial Machinery and Steel Structures

Certification Date : 18 Mar 2019 | Valid Date : 17 Mar 2022 | Issue Date : 18 Mar 2019

Authorized By : Kyeong Ho Nam
President

KOREA SYSTEM CERTIFICATION BODY
Tel 02-2009-7272 Fax 02-2009-7273 www.kscqb.com

CERTIFICATE OF REGISTRATION

품질경영시스템

다린스틸테크주식회사

부산광역시 강서구 가달2로 55번길 28(안내리)

한국시스템인증원은 상기 회사의 품질경영시스템이 아래의 표준
요구사항에 적합함을 인증함

인증번호 : KSQA-191292

인증표준

KS Q ISO 9001 : 2015 / ISO 9001 : 2015

인증범위

오버레이 용접과 산업기계류 및 철구조물의 생산

인증일자 : 2019년 03월 18일 | 만료일자 : 2022년 03월 17일 | 발급일자 : 2019년 03월 18일

한국시스템인증원
KOREA SYSTEM CERTIFICATION BODY

KOREA SYSTEM CERTIFICATION BODY
서울특별시 영등포구 영중로 20, 307호 (우편번호 07223)
Tel 02-2009-7272 Fax 02-2009-7273 www.kscqb.com

CERTIFICATE OF AUTHORIZATION

U2

The American Society of Mechanical Engineers

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Darin Steel Tech Co., Ltd.
28, Gadal 2-ro 55beon-gil
Gangseo-gu, Busan 46729
Republic of Korea

SCOPE:

Manufacture of Class 1 and Class 2 pressure vessel parts (without design responsibility) at the above location only

AUTHORIZED: **September 4, 2018** REVISED: **June 19, 2019**
EXPIRES: **September 4, 2021**
CERTIFICATE NUMBER: **56,560**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment

CERTIFICATE OF AUTHORIZATION

PRT

The American Society of Mechanical Engineers

The named company is authorized by the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the certification mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this certification mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Darin Steel Tech Co., Ltd.
28, Gadal 2-ro 55beon-gil
Gangseo-gu, Busan 46729
Republic of Korea

SCOPE:

Fabrication of parts without design responsibility for ASME Section VIII, Div. 1 at the above location only

AUTHORIZED: **September 4, 2018** REVISED: **June 19, 2019**
EXPIRES: **September 4, 2021**
CERTIFICATE NUMBER: **56,553**

Board Chair, Conformity Assessment

Managing Director, Conformity Assessment

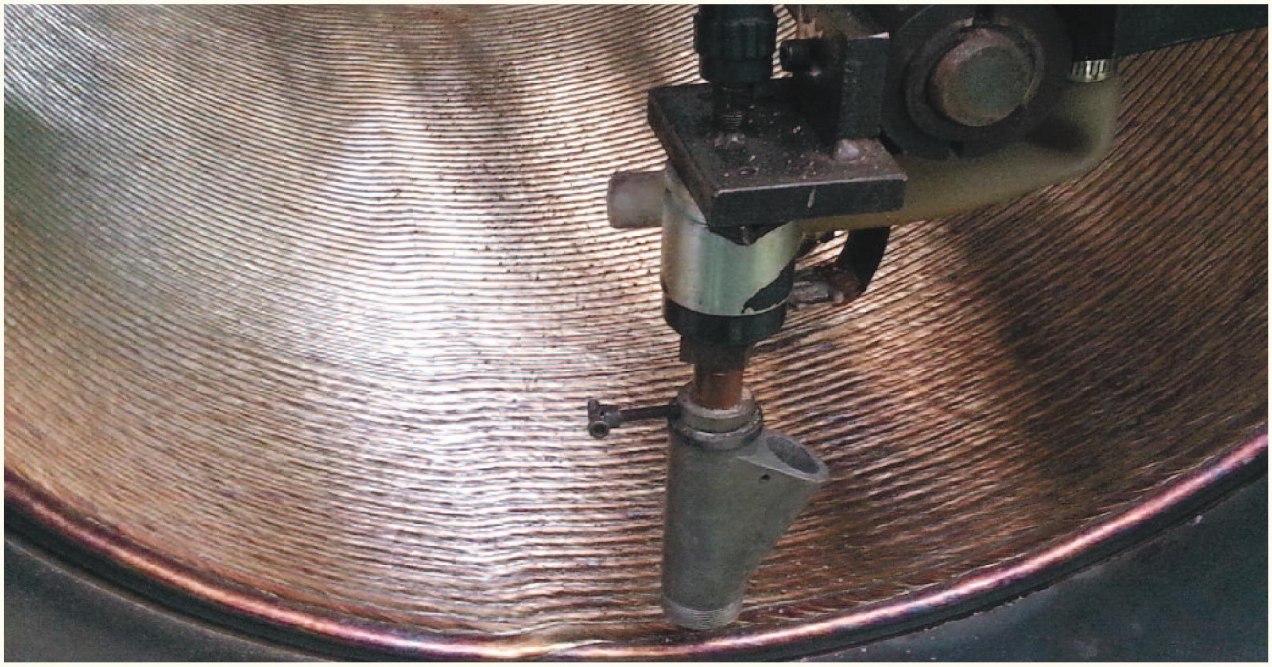
02 Overlay/Hardfacing welding 이종육성용접

Overlay/Hardfacing welding reduce cost up to 50% comparing to making parts of heat exchanger, pressure vessel, etc. with solid material.

열교환기, 압력용기 등의 부식이나 마모가 많이 되는 부분을 이종육성용접으로 보완할 경우, 단일 재료로 제작할 때보다 최대 50%까지 제작비용을 절감할 수 있습니다.

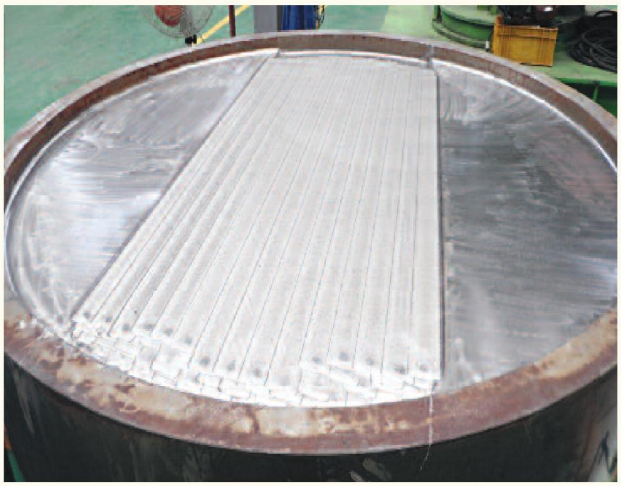
- ⦿ Application : SHELL, TUBE SHEET, HEAD, PIPE, FLANGE, NOZZLE, etc.
- ⦿ Welding consumable : SUS304L, SUS316L, INCONEL, MONEL, HASTELLOY, CuNi, STELLITE, etc.
- ⦿ Welding type : ESW, SAW, PAW, GTAW, GMAW, FCAW
- ⦿ Certificate : ASME U2 & PRT stamp

Cost Reduction up to 50%

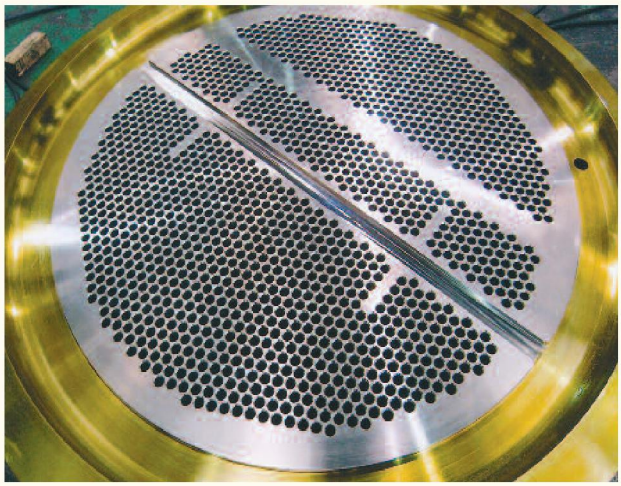


02 Overlay/Hardfacing welding 이종육성용접

| PRODUCTS OF OVERLAY/HARDFACING 이종육성용접품 |



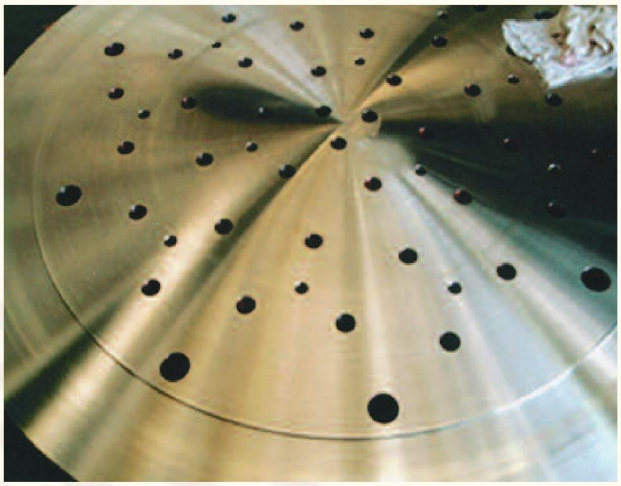
Tube Sheet(ESW, Inconel 600)



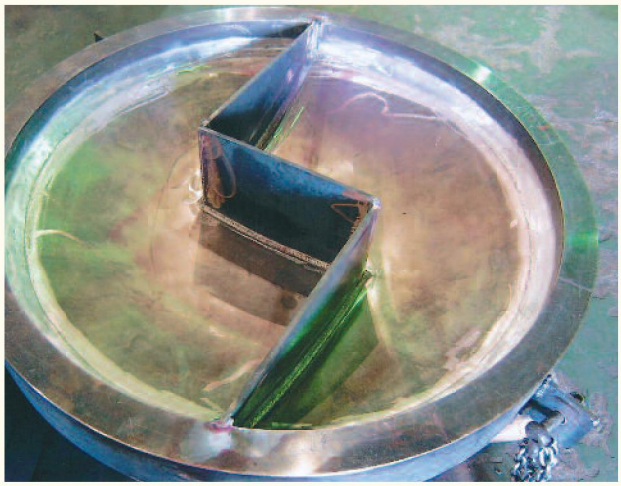
Tube Sheet(ESW, Monel)

Tube Sheet(ESW, SUS316L)

Tube Sheet(SAW, SUS308L)

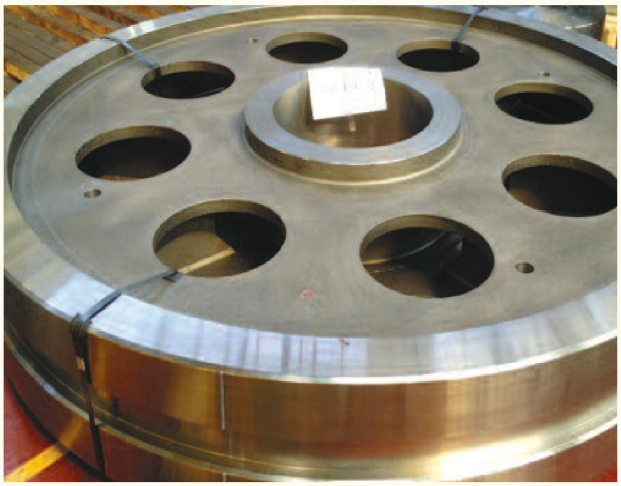


Steel Cover(ESW, Inconel 625)



Floating Head(GMAW, CuNi)

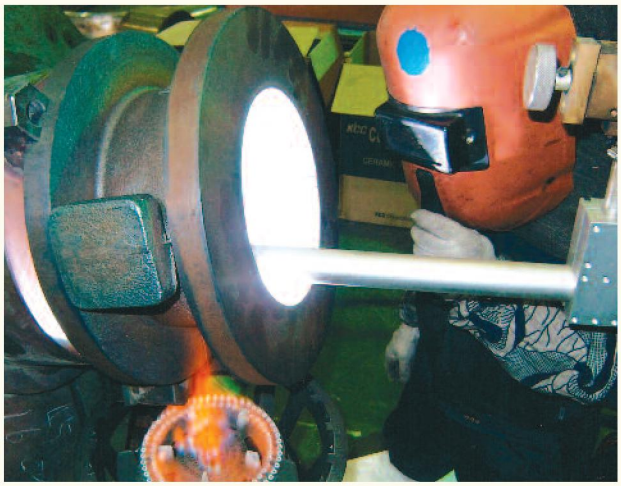
Head(SAW, SUS316L)



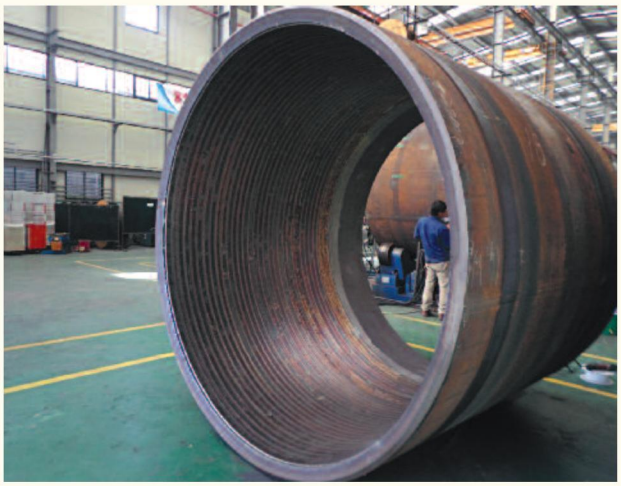
Main Gear Wheel
(Butt welding, 32 CrMo12+SM490B+C50E)

Channel Cover(SAW, SUS316L)

Channel Cover(SAW, SUS316L)



Butterfly Valve(SAW, Hardfacing, Stellite #6)



Shell(SAW, SUS304)

02 Overlay/Hardfacing welding 이종육성용접

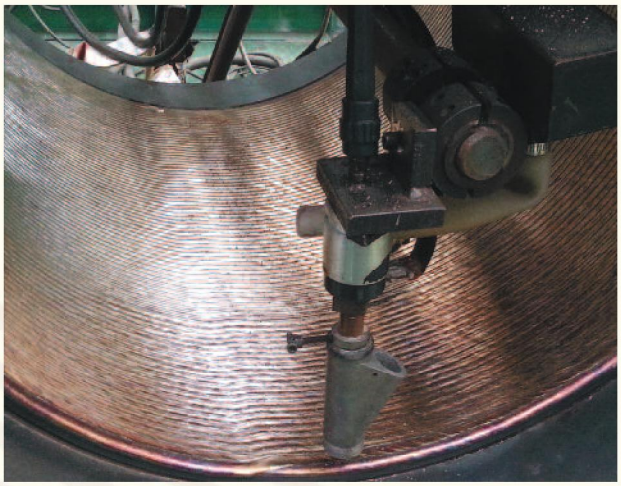
| PRODUCTS OF OVERLAY/HARDFACING 이종육성용접품 |

Ball Valve(GMAW, Inconel 625)

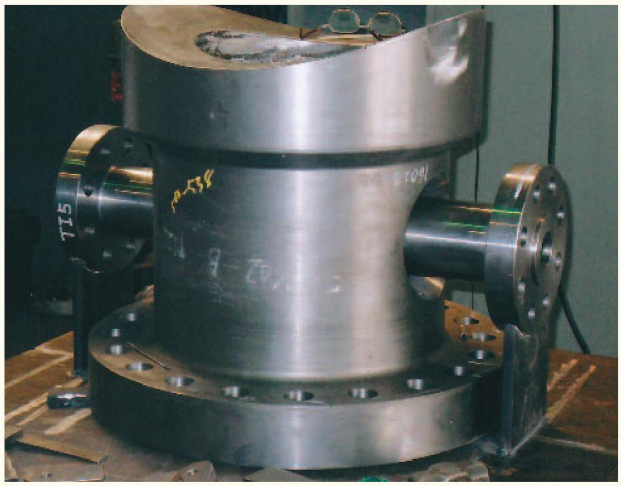
Ball Valve(GMAW, Inconel 625)

Ball Valve(GMAW, Inconel 625)

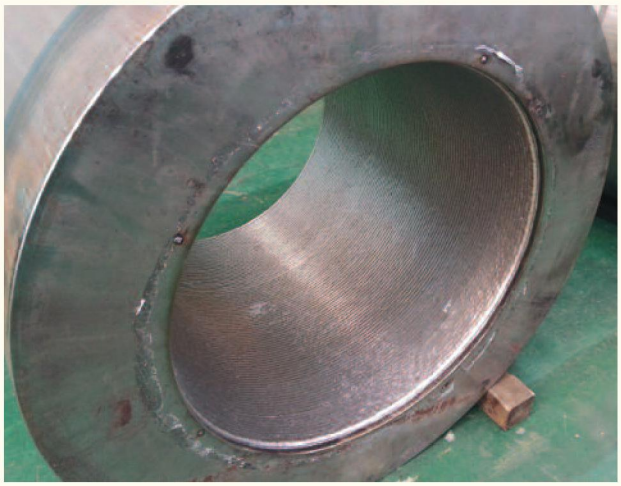
Ball Valve(GMAW, Inconel 625)



Nozzle(SAW, SUS347)



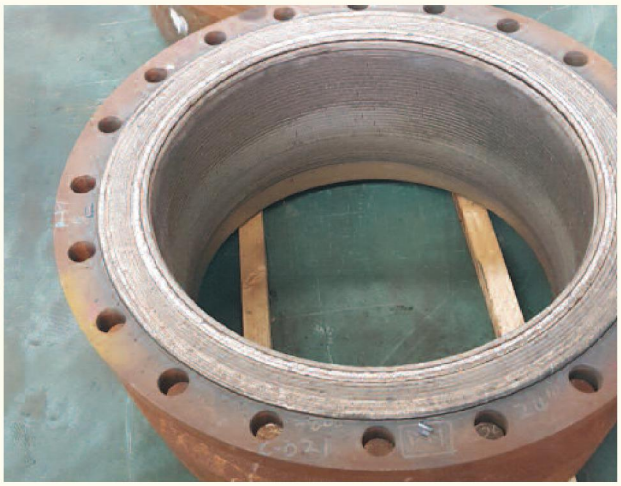
Nozzle Flange(SAW, Monel)



Nozzle(SAW, Monel)

Nozzle(SAW, SUS316L)

Flange(GTAW, SUS316L)



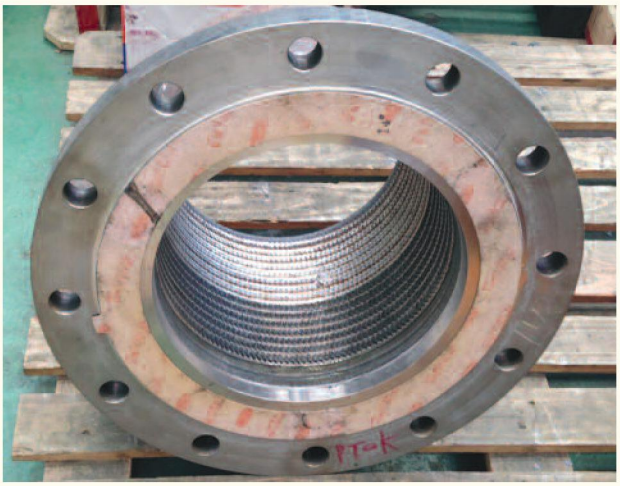
Flange(FCAW, SUS304L)

Flange(GTAW, SUS316L)

Suction tube(SAW, Inconel 625)

02 Overlay/Hardfacing welding 이종육성용접

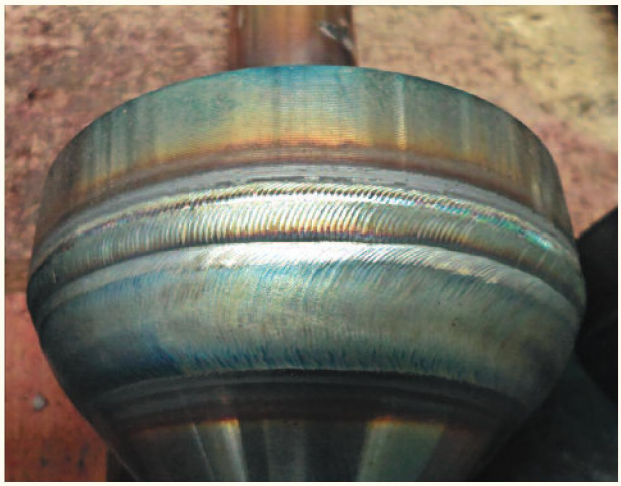
| PRODUCTS OF OVERLAY/HARDFACING 이종육성용접품 |



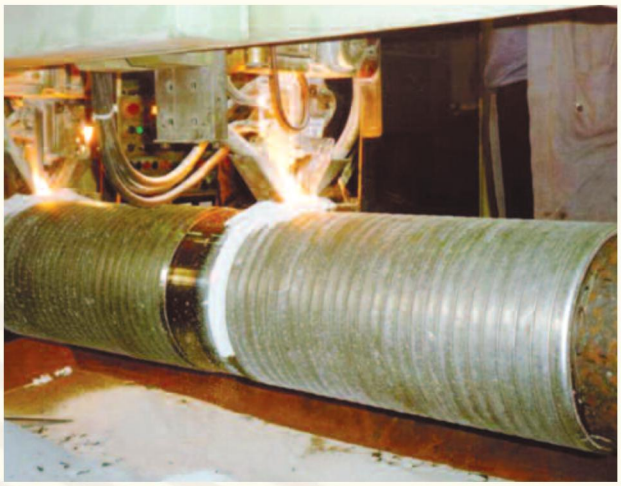
Flange(GTAW, SUS316L)

Flange(SAW, Hastelloy)

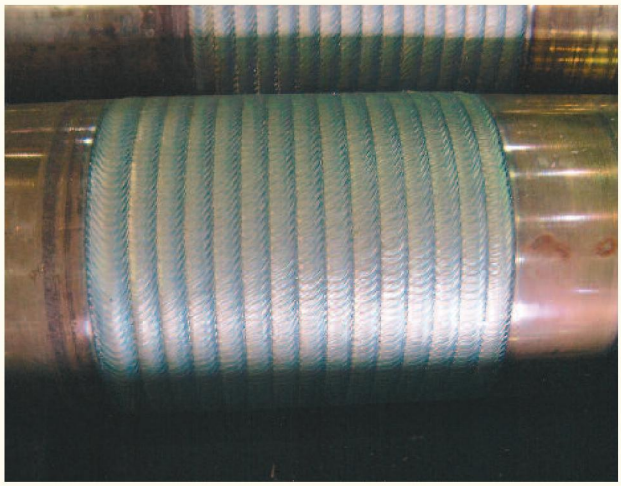
Flange(SAW, SUS316L)



Shaft(PTA, Hardfacing, Stellite #6)



Shaft(PTA, Hardfacing, Stellite #6)



Shaft(PTA, Hardfacing, Stellite #6)

| PRODUCTS OF OVERLAY/HARDFACING 이종육성용접품 납품 실적 |

Client	Project Name	Description	Material	Date
PIDMCO (Iran)	Kharg Meg Plant	Channel Overlay Flange Overlay	SA105+3t Clad SUS321 Overlay	2005.02
LURGI (Germany)	Petronas Methanol	Tube sheet Overlay	SA266 Gr4+7t Clad SUS321 Overlay	2005.07
I.T.T Corporation (USA)	Nuclear Energy #2, 3	Pipe Overlay Flange Overlay	SA105+8t Clad SUS316L Overlay	2006.08
Zeballos Lake Hydro Limited Partnership [DTL Canada]	Zeballos Lake Hydro	Turbinehead Cover	SA266 Gr4+7t Clad SUS316L Overlay	2007.08
Olayan Descon (Saudi Arabia)	Heat Exchanger	Tubesheet	SA105N+4t Clad SUS316L Overlay	2007.11
Maraldi (Italy)	Shell Eastern Petroleum	Nozzle	SA266 Gr4+6t Clad Hastelloy Overlay	2007.12
Petronas Oil Company (Malaysia)	Petronas Methanol Project	Tubesheet	SA266 Gr4+6t Clad Inconel625 Overlay	2008.02
Gecol [Hyundai Engineering & Construction Co.]	Zawia Iwpp Project	Flange	SA266 Gr2+3t Clad Duplex Overlay	2008.04
Shell [POSCO Plantec]	Pearl Gtl Project	Nozzle	Inconel625 Overlay SUS321 Overlay	2008.09
ADNOC [Cephas Pipeline]	TC-GULF ADNOC Project	Butterfly Valve Overlay	Monel400 Overlay	2009.07
Huanghe Hydropower Development Co., Ltd. [KC Cottrell]	HP CVD Reactor	Bott Cover Flange	SA266Gr2+5t Clad SUS316L Overlay	2009.09
Gheco-One Company Limited [Doosan Heavy Ind.]	Gheco Power Project In Thailand	Discharge Head Pump Base	A36+S31803	2009.11
ADNOC [Hyundai Heavy Ind.]	Ruwais Rfcc Project	Nozzle Thermowell & Plug	SA106-B+Inconel625 SA105N+316L	2010.01 2010.12
REFICAR [Intercol-Colombia]	Cartagena Refinary Expansion In Colombia	Nozzle Flange Shell & Head	SA105+SS317L/SS347L SA105+SS304L/SS317L SA387-22+SS317L	2010.08~ 2010.10
Kencana Petroleum [Aarykin-Malaysia]	PM329 East Piatu Development In Malaysia	Flange 2″-24″ Pipe 8″-24″ Elbow 8″-24″	SA105N+SS316L SA106B+SS316L SA234WPB+SS316L	2011.04

02 Overlay/Hardfacing welding 이종육성용접

| PRODUCTS OF OVERLAY/HARDFACING 이종육성용접품 납품 실적 |

Client	Project Name	Description	Material	Date
Abu Dhabi Gas [Hyundai Heavy Ind.]	IGD Das Island Project	Flanges, Tubesheet Overlay	SA350+E309L&E316L	2011.05
Doosan Heavy Ind.	Nuclear Power Plant	MSR Tube Sheet Overlay HP/LP Valve Weld Overlay	SA508 Gr.2 cl.1 +Inconel Stellite #6	2011.07
Aramco [Hyundai Heavy Ind.]	Yanbu Reactor	Nozzle Neck Overlay	SA387-22+347L	2012.04
Shell [Samsung Heavy Ind.]	Mars-B (Offshore)	Tee & Flange Reducing Piece Overlay	SA106-B+Inconel625	2012.05
ExxonMobil MSET Engineering Corporation SDN BHD.	Kebabangan Northern Hub Project	Flange Overlay	SA105N+SS316L+1㎜ [309Mo]	2012.03~ 2012.05
Hyosung Power & Industrial Systems	Manufacturing National Warship	Main Gear Wheel Overlay	C50E-SM490B +32CrMo12	2012.03
ExxonMobil [Dugwoo Co., Ltd.]	Tapis Eor & Rejuvenation Project (Offshore)	Flange Overlay	A105+SUS316L A105+Inconel625	2012.01
Chevron [Samsung Heavy Ind.]	Jack & St. Malo Project (Offshore)	Flange Overlay	A105+Inconel625	2012.03
NIOC [Hyosung Power & Industrial Systems]	South Pars Gas Field Development	Flange Overlay	A105N+S316L	2012.06
Samhwa Mixing Tech [DJF Co., Ltd.]	Nexlene Project	Tubesheet Overlay Head Overlay Flange Overlay	A105N+316L A266+316L	2012.06
PT.Pertamina [Hyundai Heavy Ind.]	CILACAP Resid Fluid Catalytic Cracking Project	Nozzle Overlay	SA182+309L SA387+SA240	2012.11
ENEC [Doosan Heavy Ind.]	UAE BARAKAH Project	Tubesheet Overlay	SA508+Inconel	2012.11
Korea Hydro & Nuclear Power Co., Ltd. [Doosan Heavy Ind.]	Shin Ul-Jin Project	MSR Tubesheet Overlay	SA516-70+Inconel	2012.11
ALSTOM [Taewoong]	Tanjung Bin4	Tubesheet Overlay	A508+Carbon steel	2012.12
BP [Hyundai Heavy Ind.]	Quad204 (Offshore)	Pipe Spool Overlay	A333-6+Inconel625	2013.08

Client	Project Name	Description	Material	Date
ALCOA [Hyundai Engineering & Construction]	MA'ADEN Aluminium	Pipe Spool Overlay	A106-B+Chromium carbide	2013.09
ADCO [Petrofac/KPC]	Bab Gas Compression Project	Body, Cap, Ball Overlay	A350-LF2+Alloy625	2014.08
Pertamina [PT.DK Indah Ind.]	Proyek Pengembangan Gas Matindok (PPGM)	Flange, Pipe Overlay	C.S+SUS316L C.S+Inconel 825	2014.08
PT Pupuk Sriwidjaja(Pusri) [PT.DK Indah Ind.]	Pusri 2B Project	Flange, Pipe Overlay	C.S+SUS304	2014.08
Pertamina [PT.DK Indah Ind.]	Proyek Pengembangan Gas Matindok (PPGM)	Flange, Elbow Overlay	C.S+SUS316L	2014.12
J.J Advanced Products Co.,Ltd.	EG Evaporator Column	Pipe Overlay	S.S316L	2015.01
ENI [PT.DK Indah Ind.]	Jangkrik Complex Project	Tubesheet Overlay	C.S+SUS316L	2015.02
North West Redwater Partnership [PT.DK Indah Ind.]	Sturgeon Refinery Unit 50 & 60 Project, Alberta (Canada)	Tee, Elbow, Pipe Overlay	C.S+SUS316L	2015.04
TOYO Engineering	TNV	Pipe Sleeve Overlay	Stellite #6	2015.04
DSME	ZADCO	Pipe Overlay	Inconel625	2015.07
Hyundai Heavy Ind.	Moho EPU Project	Pipe Spool Overlay	S.S316L	2015.11
UZ750(zadco) [DSME]	ZADCO Project	Pipe Overlay	C.S+Inconel625	2016.03
PT.DK Indah Ind.	CAPC Olefing Project	Tubesheet Overlay	C70600	2016.03
Doosan Heavy Ind.	Rabigh Ltsa	Valve Disc	Stellite #6	2016.04
LHE Co.,Ltd.	Bidboland II	Plate Heat Changer Cover	S.S316L	2016.11
Shin Seong Plant Co., Ltd.		Cover Flange Overlay	S.S304L	2017.05
PT.DK Indah Ind.	Tangguh Expansion Project	Nozzle Overlay	S.S316L	2017.08
Hyosung	Lotte PC Project	Pipe Overlay	S.S316L	2018.02
Sung Il Co., Ltd.	Liza Destiny	Pipe Overlay	Inconel625	2018.05
Hana Plant	UZGTL	Nozzle Overlay	S.S304L	2018.07
Doosan Heavy Ind.	신한울 #1, 2 Sinhanwool Nuclear Power Plant #1, 2	Centering Block	Stellite #6	2018.07

03 Metal fabrication products 제관품

| PRODUCTS OF METAL FABRICATION 제관품 |

Deaerator & Storage Tank

Heat Exchanger

Stator Winding Water Cooler

Stator Winding Water Cooler

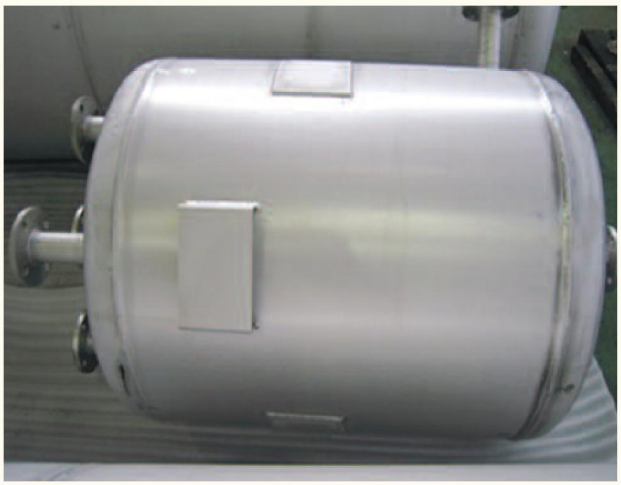
Storage Tank

Diesel Oil Tank

Cylinder

Pressure Vessel

Air Receiver



Air Receiver

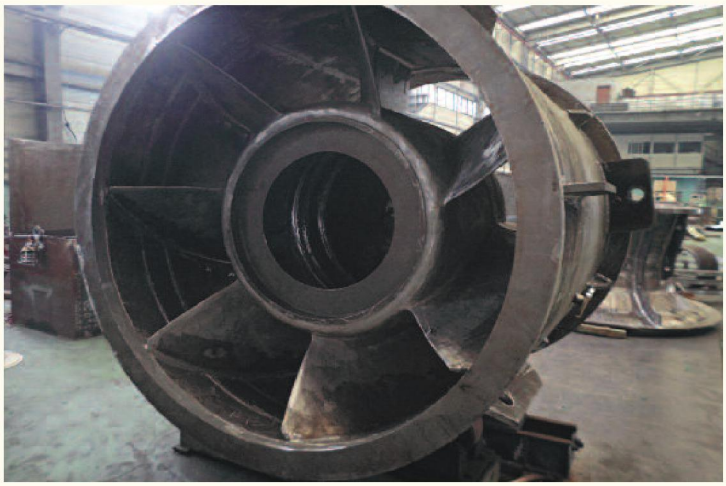
Discharge Bowl

Discharge Head(A36+S31803, S32750)

03 Metal fabrication products 제관품

| PRODUCTS OF METAL FABRICATION 제관품 |

Discharge Elbow(A36+S31803, S32750, SUS316L)

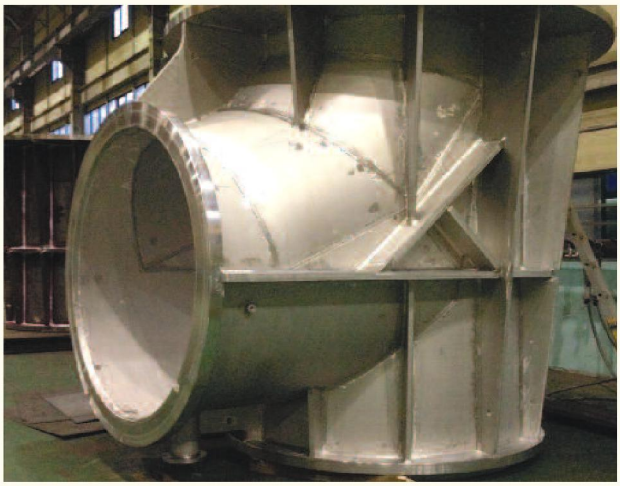


Discharge Elbow(S31803, S32750, 316L)

Discharge Elbow(A36+S31803, S32750, 316L)

Discharge Elbow(A36+S31803, S32750, SUS316L)

Discharge Elbow(A240, 316L)

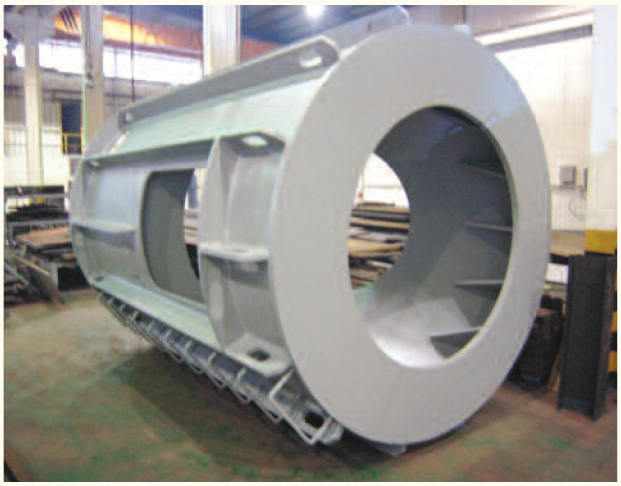


Discharge Elbow(A240, 316L)

Column Pipe

Column Pipe

Motor Pedestal



Motor Pedestal

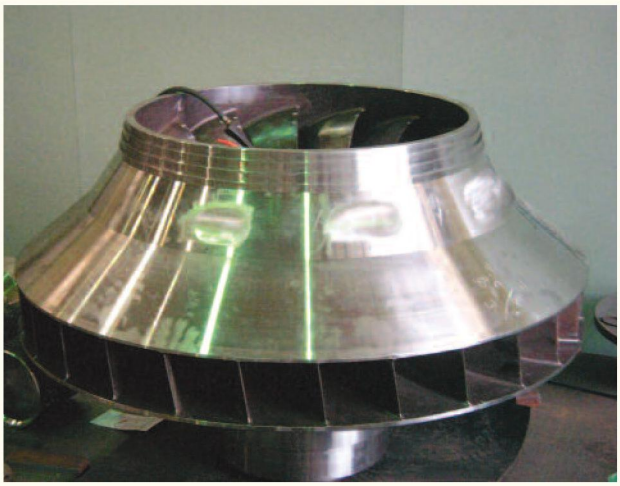
Motor Pedestal(A36+316L)

Turbine Scroll Case

03 Metal fabrication products 제관품

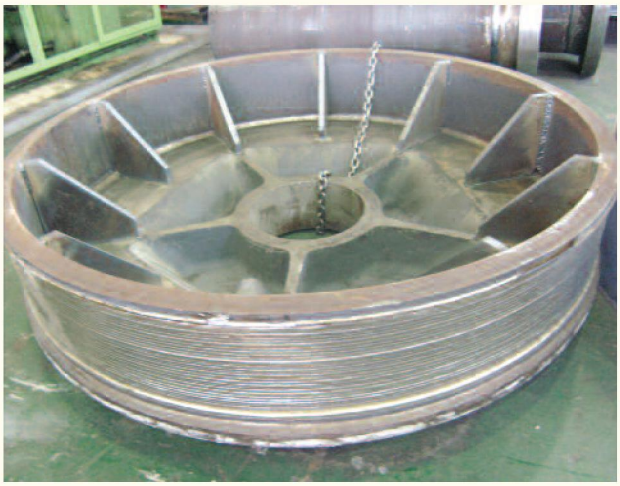
| PRODUCTS OF METAL FABRICATION 제관품 |

Impeller



Runner

Welded Gear



Drum

Suction Bell(A36+S31803, S32750, 316L)

Strainer(Inconel 625)

Elbow

Elbow

Elbow Pipeline

Venturi Tube

Expansion Joint

Valve Box

03 Metal fabrication products 제관품

| PRODUCTS OF METAL FABRICATION 제관품 납품 실적 |

Client	Project Name	Description	Material	Date
Vietnam Supply & Installation	#1 Dry Dock Pumping Station	Dock Room Connection Flange	A36	2007.03
SK E&C	FCC Project RWP	Straightener and Others	A36	2007.04
Hyundai Heavy Ind.	Oil Bank Drainage System Pump	Disch. Elbow Piece Motor Pedestal	S31803	2007.06~ 2007.09
ALSTOM [Fujairah II]	Brazil TKS CSA Power Plant	Ring Plate	A36	2007.07
ARAMCO [Hyundai Heavy Ind.]	MARAFIQ IWPP Project	Motor Pedestal Discharge Elbow Column Pipe	A36 S31803	2007.07~2007.08 2008.01~2008.05
ALSTOM [Fujairah II]	Brazil TKS CSA MCWP	Column Pipe Motor Pedestal	A240-316L A36	2007.11
ALSTOM [Fujairah II]	Power Plant Project	Pump Base	A36	2008.01
Hyundai Heavy Ind.	Dry Dock Pumping System in Gunsan, Korea	Motor Pedestal, etc.	A36 A240-316L	2008.10~2008.12 2009.02
Weir Westgarth	Shuaiba North Process Pump	Motor Pedestal (BRP, DEP, BBDP)	A36	2009.02~ 2009.04
Hyundai Heavy Ind.	Movarid Seawater Intake Pump for Olefin Plant	Motor Pedestal	A36	2009.02
Samho Heavy Industry	Main Dock Pump	Motor Pedestal	A36	2009.06
Doosan Heavy Industry	Chile Campiche Coal Power Project	Motor Pedestal	A36	2009.09
Posco Power LNG	Multiple Power Pump 5th & 6th	Discharge Elbow Support Column for CWP	S31803	2009.08
Kubota Japan	Energy Conservation Water Supply Network	Piping Spool	STPG 370	2011.07
Aramco [Hitachi Plant]	Yanbu2 Project	Bell Mouth, Support Discharge Casing	S32750	2012.06

Client	Project Name	Description	Material	Date
Samco [Kubota Corporation]	Project of Samco	Piping Spool	A36	2012.01
NSE [Bab Hitachi Japan]		Air Reservoir Tank Storage Tank Test Bench For Air	SPV355	2012.04
Chevron [D.H.Controls]	Chevron Jack & St. Malo	Air Reservoir Tank	SA312-TP316L	2013.01
KOSPO [Shin Shin Machinery]	Samcheok Green Power Plant	Motor Pedestal Discharge Elbow	A240-316L+A36 A240-316L	2013.08
KOSPO [Shin Shin Machinery]	Samcheok Green Power Plant	Increaser	A36	2013.08
Westernpower [Shin Shin Machinery]	Pyeongtaek Combined Power Plant	Motor Pedestal Discharge Elbow	A240-316L+A36 A240-316L	2013.10
Westernpower [Shin Shin Machinery]	Pyeongtaek Combined Power Plant	Motor Pedestal Discharge Elbow	A240-316L+A36 A240-316L	2013.12
Daewoo E&C [Taprogge]	Zwitina Combined Cycle Power Plant	Pressure Vessel	SA516-70	2014.02
Saudi Electricity Company [Hyundai Heavy Ind.]	Jeddah Thermal P.P [1850 VKM-FAP]	Discharge Head Suction Bell Discharge Bowl Column Pipe Motor Pedestal	A240-S32750 A36	2014.07~ 2014.12
Saudi Electricity Company [Hyundai Heavy Ind.]	Jeddah Thermal P.P [2200 VKM-FSP]	Suction Bell Discharge Bowl	A240-S32750	2014.08~ 2014.12
Saudi Electricity Company [Hyundai Heavy Ind.]	Jeddah Thermal P.P [3000 VKM-CWP]	Suction Bell Discharge Bowl	A240-S32750	2014.09~ 2014.12
Hyundai Heavy Ind.	SHUQAIQ	Discharge Bowl	S31803	2015.01
Hitachi Ltd.	Taean Thermal Power Plant	Discharge Casing	S31803	2016.03
Shin Shin Machinery	영남천연가스발전소 Youngnam Natural Gas Power Plant	Discharge Elbow	S.S316L	2016.05
Hyosung	FFX- II	Main Gear	32CrMo12+C50E+ SM490B	2018.09

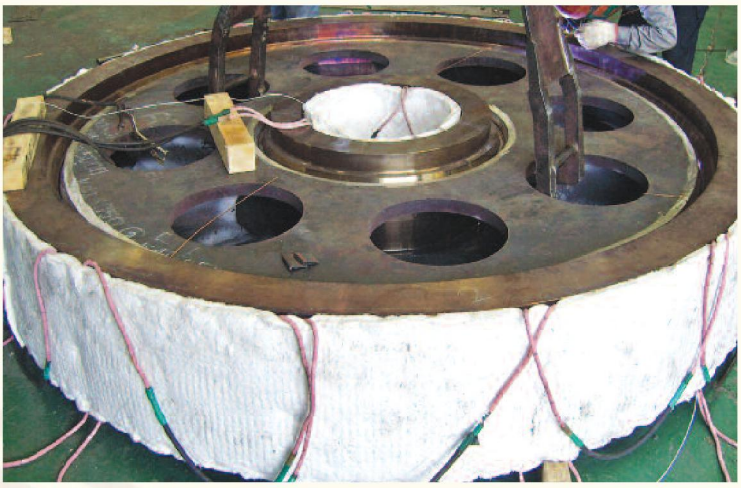
04 Heat treatment 열처리

Heat treatment is defined as a combination of heating and cooling operations, timed and applied to a metal or alloy in the solid state in a way that will produce desirable properties.

열처리란 금속재료(주로 철강재료)에 열을 가하거나 냉각 온도와 시간, 속도를 조절함으로써 재료의 성질을 개선하거나 특별한 성질을 부여하는 기술이다. 재료를 단단하게 만들어 기계적, 물리적 성능을 향상시키는 기술과 재료를 무르게 하여 가공성을 개선시키는 기술로 구별된다.

In-house heat treatment furnace 열처리로 자체설비 보유

- Size : 3,000 × 3,000 × 2,300 & 1,800 × 1,800 × 800
- Available at : SR, DHT, PWHT, etc.

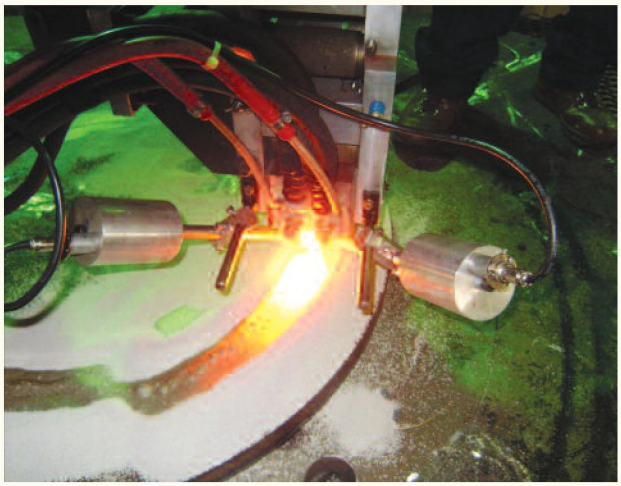


Local banding heat treatment / Normalizing 국부열처리 / 노멀라이징

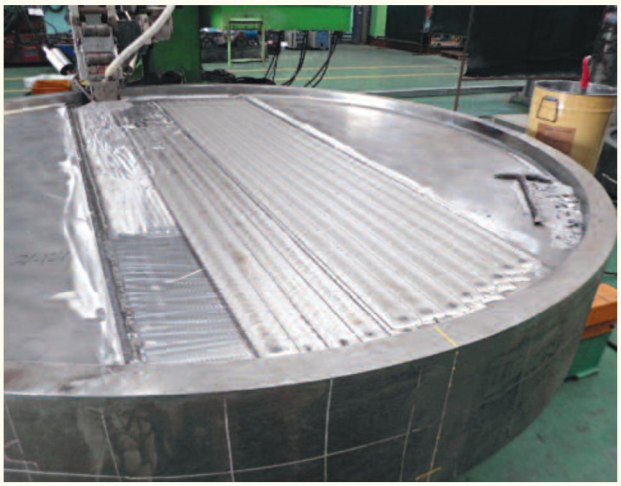
- Available at : Preheating, SR, DHT, PWHT, etc. / Normalizing

05 Equipment 보유장비

| EQUIPMENT 설비 내역 |

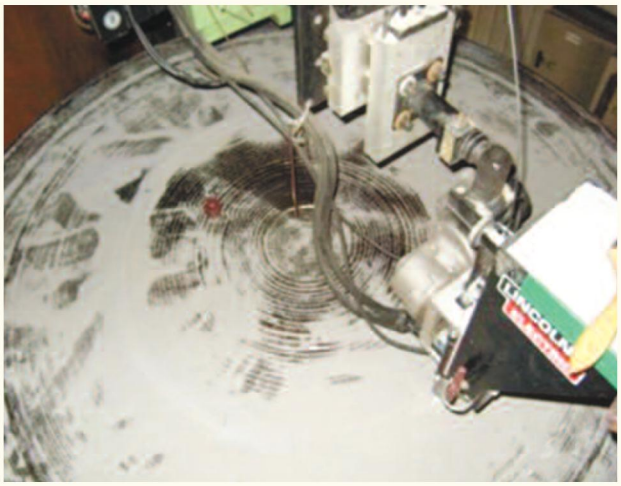


ESW

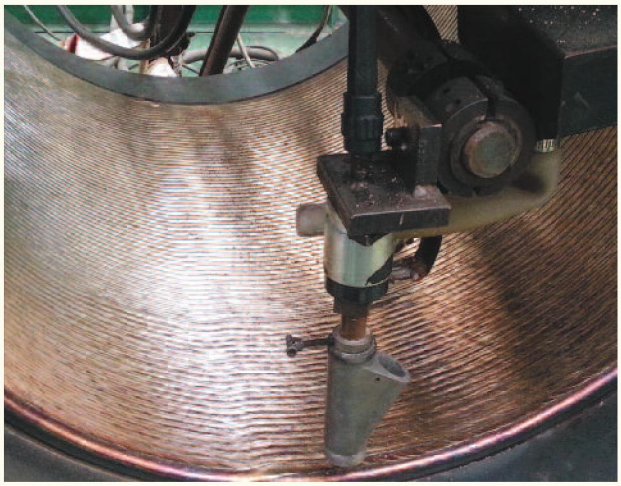


ESW

ESW



SAW

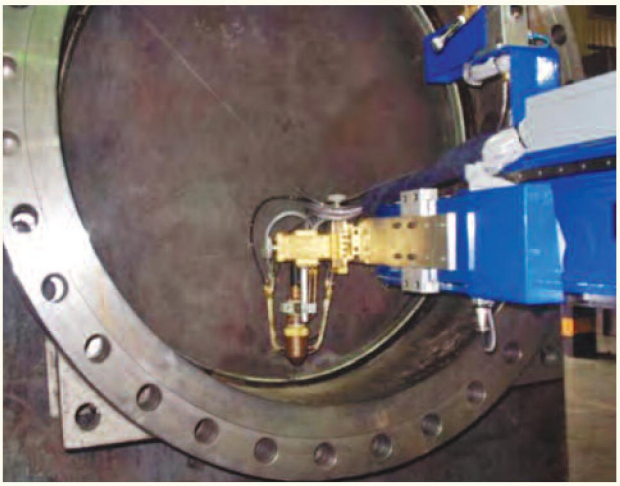


SAW

SAW

05 Equipment 보유장비

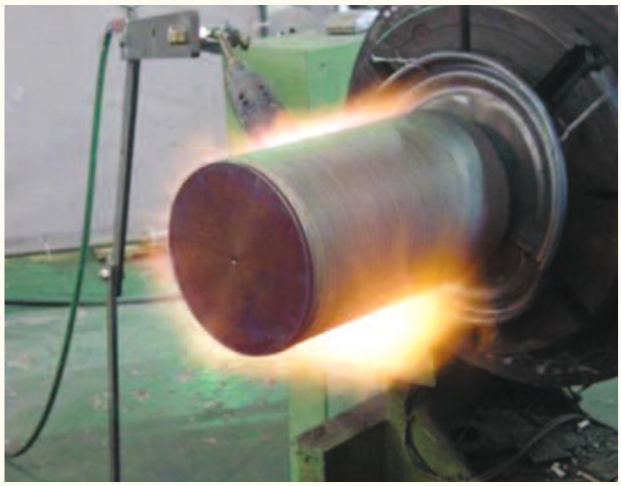
| EQUIPMENT 설비 내역 |



PAW

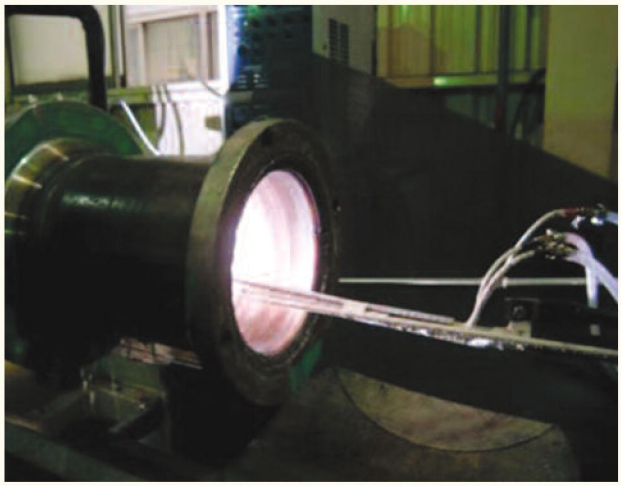
PAW

PAW



PAW

PAW



GTAW

| EQUIPMENT 설비 내역 |

GTAW

GTAW

GMAW(MIG)

FCAW

TIG WELDING

CO_2 WELDING

05 Equipment 보유장비

| EQUIPMENT 설비 내역 |

POSITIONER

ROTATOR

TURNTABLE

TURNING ROLLER

DRY OVEN

HEAT TREATMENT FURNACE

| EQUIPMENT LIST 설비 리스트 |

NO.	EQUIPMENT	SPEC.	Q'TY	MANUFACTURER
1	AUTO TIG WELDING MACHINE	DC500A, 480∅ × 2,000L	2	WHACHEON, NAMSUN
		DC500A, 380∅ × 2,000L	1	NAMSUN
		DC500A, 600∅ × 3,000L	1	ILSAN
		DC500A, 680∅ × 3,000L	1	ILSAN
2	SAW WELDING MACHINE	DC 600A ~ 1,500A	5	DONGWOO L&T
3	ESW WELDING MACHINE	DC 3000A	1	DONGWOO L&T
		DC 1500A	1	DONGWOO L&T
4	PTA WELDING MACHINE	DC300A, 2,000 × 2,000	1	HANGIL
		DC300A, 1,000 × 1,000	1	HANGIL
5	TIG WELDING MACHINE	DC500A	10	ECHO, PROTECH, etc.
6	MIG PULSE WELDING MACHINE	DC570A	8	LINCON, PROTECH, etc.
7	CO_2 WELDING MACHINE	DC650A	8	CHEONHO, DAEHAN
8	ARC WELDING MACHINE	DC500A	8	CHEONHO, DAEHAN
9	BALL VALVE OVERLAY WELDING MACHINE	MAX. 42", 7TON	2	DUKSUNG
10	FLUX RECOVERY(DRY OVEN)	400 ℃	4	KOREA, JIHYE
11	POSITIONER	3TON x 2.7TON	6	SAMSUNG WELTECH
		0.2TON × 0.1TON	1	YUCHE MACHINE
		0.5TON × 0.3TON	2	KJ TECH
		1TON × 0.5TON	4	KJ TECH
		3TON × 1.5TON	1	JUNGMIN TECH
		5TON × 2.5TON	3	KJ TECH
		10TON × 5TON	2	KJ TECH

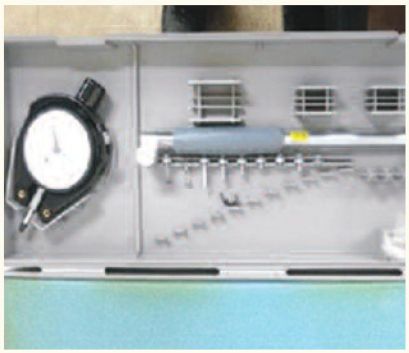
05 Equipment 보유장비

| EQUIPMENT LIST 설비 리스트 |

NO.	EQUIPMENT	SPEC.	Q'TY	MANUFACTURER
12	TURNTABLE	30TON	1	KJ TECH
		1TON	2	H&T
13	OVERHEAD CRANE	10TON	2	KOREA HOIST, H&T
		20TON	2	KOREA HOIST
14	TURNING ROLLER	10TON	3	H&T
		20TON	1	H&T
15	AUTO FEEDING MACHINE	1,000 × 1,500	2	KJ TECH
16	GOUGING MACHINE	DC1000A ~ 1500A	4	DAEHAN, DAEWOO
17	MANIPULATOR MACHINE	1,500 × 1,500	2	KJ TECH
		3,000 × 3,000	1	KJ TECH
		4,000 × 4,000	2	KJ TECH
18	ROTATOR	65A ~ 1000A	1	Shinkwang Automation
		MAX 600A	2	Shinkwang Automation
19	HEAT TREATMENT FURNACE	3,000 × 3,000 × 2,300	1	SP Hi-Tech
		1,800 × 1,800 × 800	1	SP Hi-Tech
20	LOCAL BANDING HEAT TREATMENT		1	SP Hi-Tech

06 Inspection and Test equipment 검사 및 시험 장비

| INSPECTION & TEST EQUIPMENT 검사 장비 |

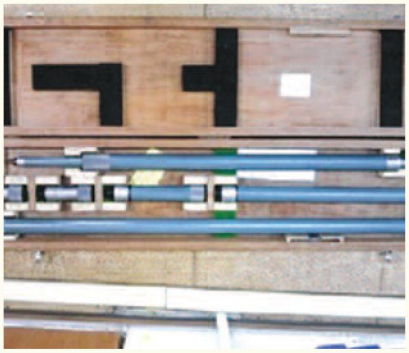

Cylinder Gauge

Digital Tachometer

Digital Thermometer

Ferrite Gauge

Laser Meta


Micrometer(Round Bar Type)

Outside Micrometer

PMI

Pressure Gauge(Dial Type)

Roughness Gauge

Ultrasonic Thickness Gauge

Vernier Caliper

06 Inspection and Test equipment 검사 및 시험 장비

| INSPECTION & TEST EQUIPMENT 검사장비 리스트 |

NO.	EQUIPMENT	SPEC.	Q'TY	MANUFACTURER
1	X-RAY FLUORESCENCE ANALYZER	-	1	HOIKI
2	CLAMP on AC/DC HiTESTER	TESTECK-86A, etc.	3	OXFORD
3	DIGITAL THERMOMETER	TC-400, etc.	4	LINE SEIKI
4	DIGITAL THERMOMETER	-	1	HANYOUNG
5	BASE THERMOCOUPLE THERMOMETERS	-	1	NOKE, K-TYPE
6	TEMPERATURE RECORDERS	-	2	CHINO
7	TEMPERATURE INDICATING CONTROLLER	-	2	MUHAN PROGRAM
8	FERRITE MEASURING INSTRUMENT	MP-30	1	FISCHER
9	ROUGHNESS TESTER, STYLUS TYPE	-	1	MITUTOYO
10	RIB HARDNESS TESTER	-	1	G&R
11	VERNIER CALLIPERS	0 ~ 300㎜, etc.	4	MITUTOYO
12	OUTSIDE MICROMETER	75 ~ 100㎜, etc.	3	MITUTOYO
13	OUTSIDE/INSIDE MICROMETER	0 ~ 600㎜, etc.	2	MITUTOYO
14	WELDING GAUGE	0 ~ 25㎜, etc.	2	SK
15	ULTRASONIC THICKNESS GAUGE	-	1	MITUTOYO

MAIN CUSTOMERS

주요 고객

DOMESTIC

- DOOSAN
- HYUNDAI HEAVY INDUSTRIES CO.,LTD.
- SAMSUNG HEAVY INDUSTRIES
- HYOSUNG
- DSME
- posco
- TK corporation
- TAEWOONG
- S&T 중공업
- KHPT
- SK 에너지

OVERSEAS

- Chevron
- ExxonMobil
- ALSTOM
- ارامكو السعودية Saudi Aramco
- bp
- Shell
- HITACHI
- TOYO ENGINEERING
- Kubota

DARIN STEEL
다린스틸테크(주)

DARIN STEEL TECH Co.,Ltd.
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