

# valpe STEEL PLANT DIVISION

## 철강사업부

본사.1공장

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2공장

경북 포항시 남구 오천읍 철강산단로 130번길190-1

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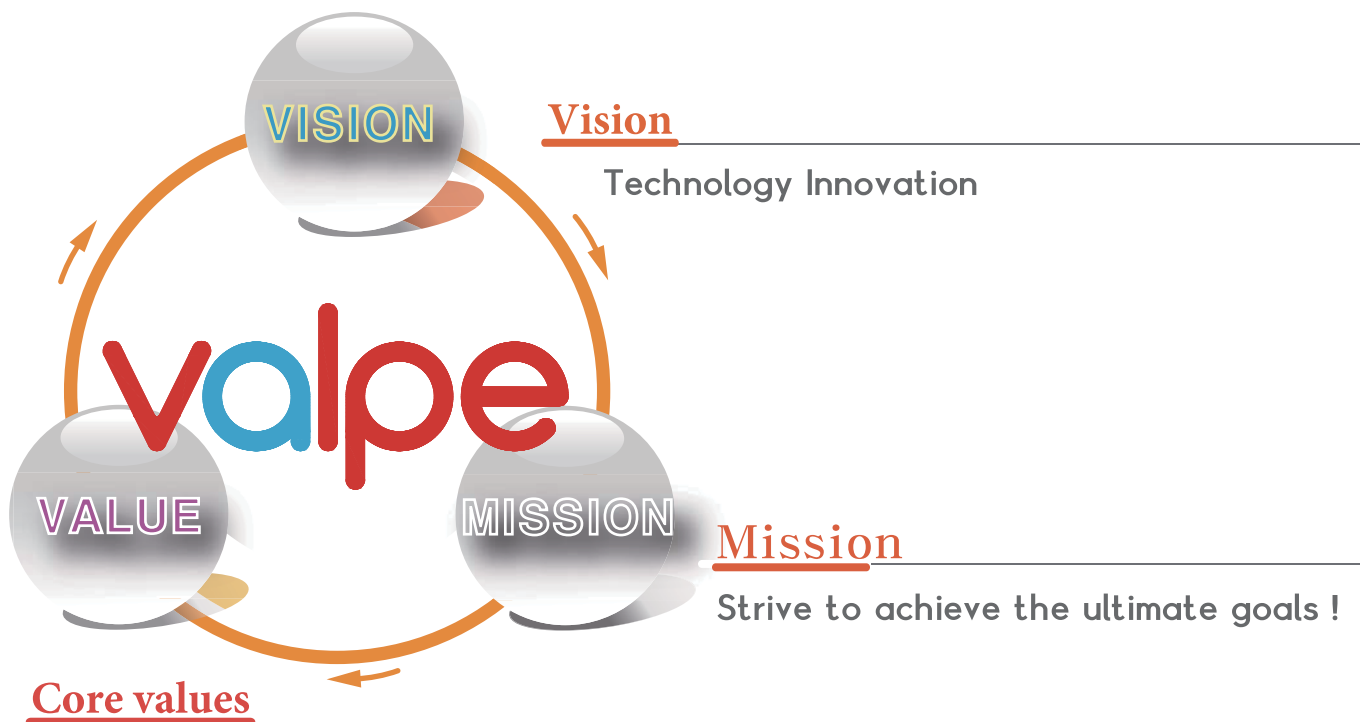
# 1 Mission Statement



- Best quality with the best technology Meet customers quickly and accurately with products..



- Based on technology and trust, we show products and technologies that have been completed through a production process in which various processes and technologies necessary for industrial sites and manufacturing industries are intensive.



Human minds harmonize for cooperation



## 2 History



### 2002~2003

- NANO TECH Established  
Registered as POSCO' s Supplier and Started Supplying Materials

### 2004~2005

- Moved Head Office from Gwangyang to Pohang  
Long-term Supply Contract with POSCO Group

### 2006~2007

- Started Taking Part in Projects Inside and Outside of Korea

### 2008~2009

- Started Taking Part in Projects of POSCO Group  
Nil-Cor Valve(U.S.A) - Authorized the Exclusive Agent of Korea and Japan  
Designated as a Participant in Turn-key /project of POSCO Group

### 2010~

- Incorporated to Valpe Co., Ltd.  
Authorized Supplier for Daewoo Engineering Co., Ltd. (POSCO Engineering, now)  
Authorized Supplier for Samsung Techwin Co., Ltd.  
Participated in CGL Project of POSCO India

### 2011~

- Authorized Supplier for Samsung Engineering Co., Ltd.  
Authorized Supplier for GS E&C Corporation.  
Authorized Supplier for Hyundai Engineering Co., Ltd.  
RULMECA Germany GmbH - Authorized Korea Agent

### 2012~

- Participated in CGL Project of POSCO Mexico  
POSCO Brazil CSP Subsidiary Facilities Testing Equipment Supply Contract  
Participated in ACL Project of POSCO India  
Participated in Off-gas Power Plant 1 & 2 of POSCO Pohang  
ISO 9001 Certification Acquisition  
Business Innovation Business (MAIN-BIZ) Certification Acquisition

### 2013~

- POSCO Gwangyang Rolling Mill, Hot Rolling Facilities Hydraulic Piping Material 1 Lot Supply Contract  
POSCO Gwangyang 4 Hot Rolling Mill, Hot Rolling Facilities Strip Cooling System  
General Valves 1 Lot Supply Contract  
POSCO Needle Coke Plant Project 14,000 sets of Valves Supply Contract  
Awarded POSCO (eNtoB) as a Certified Partner

### 2014~

- Vietnam Formosa HSM Project Supply Contract  
POSCO Brazil CSP Subsidiary Facilities Tools Supply Contract  
Obtained 103 sets of Control Valve Order for POSCO Poland Krakow Waste Thermal Plant Project  
Obtained Valve Replacement Order for POSCO ICT Pohang 1Cold Rolling Mill Electrical Installation  
Founded R&D Center  
Decrepit Replacement 2nd Stage



## 2 History



### 2015~

- POSCO Thailand CGL Project Supply Contract
- Vietnam Formosa 2800A Valve Supply Contract
- Seokmun Group Energy Power plant Valve Supply Contract
- Chuncheon Energy Power Plant Valve and Special Items Supply Contract

### 2016~

- Malaysia Rapid Project Gate Valve Supply Contract
- POSCO Gwangyang GRE Shut-Off Butterfly Valve 1 Lot Supply Contract
- POSCO Pohang Iron Works 3-ZRM Cylinder Type Butterfly Valve 1 Lot Supply Contract
- Instrument Equipment include Level Controller Supply Contract
- POSCO Pohang 3FINEX Auto Plug Valve & Knife Gate Valve 150 Sets Supply Contract
- Algeria KAIS CCPP PROJECT Forged Valve Supply Contract
- POSCO Gwangyang 7CGL Utility Gas Facility Valves & Piping 1 Lot Supply Contract
- POSCO Pohang Iron Works No. 3 Blast Furnace 3rd Revamping Project Valve 6,374 sets Supply Contract
- POSCO Pohang Iron Works 2ACL PJT Main Utility Valves & Piping 1 Lot Supply Contract
- SNNC Pipe Materials Consignment Long Term Contract for Supply Contract
- Agency Agreement With PK VALVE

### 2017~

- SC ENG' / NPK Project Manual Valve 57 items 698 sets Supply Contract
- POSCO Pohang 1 Hot Rolling Mill ECS Facilities Piping, Valves, Supporting materials Supply Contract
- POSCO-Brazil CSP Cokes Facilities Steam Trap 100 sets, 316 Ti Seamless Pipe 1 Lot Supply Contract
- Jurassic Production Facilities(JPF) Manual Valve 1 Lot Supply Contract
- POSCO Pohang Iron Works Electric Machinery Revamping Project Valves & Fittings 1 Lot Supply Contract
- SAMJIN High Pressure Valve Test Beds & Test Equipment Manufacture Contract
- SAMSUNG Engineering PETRONAS Rapid PKG #11 Ball Valve AG 4th Spring Return Ball 1 Lot Supply Contract
- SAMSUNG Engineering Rapid PKG6A LLDPE Quick Acting Valve 1 Lot Supply Contract
- POSCO E&C Panama Costa Norte LNG Terminal Project Measuring Instrument 1 Lot Supply Contract
- POSCO E&C Pohang Domestic Waste Power Plant LAB Equipment 1 Lot Supply Contract

### 2018~

- Patent Registration of Non-Seat Ball Valve Technology
- Patent Registration of Shut-Off Swing Disk Valve
- POSCO E&C Indonesia Multi-Purpose Holder Project Manual Valve 1 Lot Supply Contract
- POSCO E&C Ansan CCPP Manual High Pressure Valve
- Pohang SRF Waste Fueling Building Odor Duct Facilities 1 Lot
- Pohang SRF Fueling Facilities Building Pipe 1st, 2nd, 3rd, 4th 1 Lot
- Patent Registration of Gate, Check Valve



## 2 History



### 2018~

- Patent Registration of Clamp with a Toothed Block Inner Side  
POSCO Hi-Mn Pilot Tank Project Cryogenic, Manual, Control, Safety Valve 1 Lot  
Supply Contract
- Patent Registration of Non-Seat Butterfly Valve Technology
- Philippines JG Summit PKG-1 Project Control Valve Package2 1 Lot
- POSCO Pohang STS Annealing & Pickling 2HAPL De-NO<sub>x</sub> Equipment Pipes 1 Lot
- POSCO Pohang Flanges for the Expansion of Cokes Oven Complex Combustion  
Equipment 1 Lot
- POSCO Pohang High-Temperature Valves for the Expansion of Cokes Oven Complex  
Combustion Equipment 1 Lot PKG1, PKG2
- Patent Registration of Solar Panel Installing Device for Circular Pillar
- GS E&C RRW Units Restoration Project GRE Valve 1 Lot

### 2019~

- POSCO Pohang 2nd Steel 1st Converter OG Facilities Flanges for Aged Change of  
Heat Recovery Steam Generators HP Part 1 Lot
- ZOCV LLC Vietnam EAFD Recycling Plant PJT Manual Valve 1 Lot
- Patent Registration of Tightening Structure for Installing Air-Purifier on the Outside  
of the Structure
- Authorized Supplier for Korea On-Line E-Procurement System
- Authorized Supplier for KEPCO/ Korea Western Power Co., Ltd.  
/Korea Southern Power Co., Ltd. / Korea  
Midland Power Co., Ltd. / Korea South-East Power Co., Ltd.  
/ Korea East-West Power Co., Ltd.
- Authorized Supplier for KEPCO E&C, KEPCO, KPS, Korea Offshore Wind Power Co., Ltd.  
Korea Power Exchange, KEPCO NF, Korea Power Learning Institute, KAPES Inc.  
KEPCO International Nuclear Graduate School
- Patent Registration of Pipe Bracket for Photovoltaic Panel Attachment
- POSCO Gwangyang 3rd Blast Furnace 2nd Water Sink Auto Valve 1 Lot
- POSCO Pohang No. 2~No. 4 Sintering Plant Nox Eliminating Process Facility(New)  
Control Valve 1 Lot
- POSCO Gwangyang 3rd Blast Furnace Oxygen Control Valve 1 Lot
- POSCO Pohang Off-Gas Power Plants Construction Manual Valve 1 Lot (2,643 sets)
- POSCO Pohang Off-Gas Power Plants Construction MOV 1 Lot
- Authorized Supplier for Hanjin Heavy Industries & Construction Co., Ltd.
- Authorized Supplier for Hyundai Samho Heavy Industries Co., Ltd.

### 2020~

- POSCO Gwangyang SISTO Including DN100 Diaphragm Valve 1 Lot
- HSHI Interlock Device for Cryogenic Valve 1 Lot
- POSCO Pohang Off-Gas Power Plants Construction Control Valve 1 Lot
- POSCO Pohang No.2 Steel Making Plant 1RH Valve & Valve Station 210 Sets
- POSCO Pohang Off-Gas Power Plants Construction BUTTERFLY VALVE 1000A 1 Lot
- POSCO Pohang STS 2nd Steel High Pressure Oxygen Plug Valve Repair 1 Lot
- POSCO Pohang 3 Coke Construction Project CDQ Boiler Line Check Valve Repair 1 Lot
- POSCO Gwangyang No.4 Extension construction for Vaporization Transmission Facility



## 2 History



### 2020~

- Cryogenic/General Butterfly Valve(Casting) 1Lot, LNG/NG Ball Valve (Cryogenic+NG) 181sets, Ball On-Off Valve & MOV 1Lot, Cryogenic/General Check/Gate Valve (Casting) 1Lot, Check & Gate Valve (Forged) 1Lot, Metering System 1Lot  
POSCO Pohang HYUNGSAN Development #11 Feed Water Pump Inlet and Outlet Valve Outsourcing Repair 1 Lot  
Patent Transfer of Shut-Off Swing Disk Valve  
Patent Transfer of Gate, Check Valve NANO TECH Established

### 2021~

- POSCO Pohang Hwanho Park "CLOUD ART" Installation\_2nd Fabrication of steel structures 1Lot  
POSCO Pohang 2Coke Construction Project Gate Valve A217-WC1 1500# 200A 1Lot  
POSCO Pohang, Gwangyang Blast Furnace Clean Gas Safety Valve Process Valve 1Lot  
HSHI Interlock Device for Cryogenic Valve 1 Lot  
POSCO Pohang Off-Gas Power Plants Construction Manual Valve 1 Lot  
POSCO Gwangyang Iron Works No. 4 Blast Furnace 2nd Revamping Project valve-1 Lot  
POSCO Pohang 2nd Hwaseong plant a new chiller to increase desulfurization ability Project Piping & Support 1, Support 2  
POSCO Pohang the 6th COKE making plant(NEW) Special Piping 1Lot

### 2022~

- POSCO Pohang 2nd Hwaseong plant a new chiller to increase desulfurization ability Project Piping & Support 3 1Lot  
POSCO Pohang the 6th COKE OVEN plate(NEW) Piping & Fitting 2 1Lot  
POSCO Pohang the 6th COKE making plant(NEW) CS Pipe & Fitting 2 1Lot  
POSCO Gwangyang LNG Terminal the 6th TANK  
Manual Butterfly Valves(General+Cryogenic) 1Lot  
POSCO Gwangyang LNG Terminal the 6th TANK Manual Globe+Gate+Check Valves 91 Sets  
POSCO Pohang the 6th COKE making plant(NEW) SUS Pipe & Fitting 1Lot  
POSCO Pohang the 6th COKE OVEN plate(NEW) Piping & Fitting for Utility 1Lot  
POSCO Pohang Expansion of Oxygen Nitrogen Tank Main Facilities Manual Valve 327 Sets  
POSCO Gwangyang Expansion of Nitrogen Tank Main Facilities Manual Valve 155 Sets  
PANAMA Gatun a combined thermal power plant Casting Valve 1 Lot  
POSCO Gwangyang Advanced NO Capacity Enhancement ACL for Electric Steel Plate Control Valve 1 Lot  
POSCO Gwangyang Advanced NO Capacity Enhancement APL for Electric Steel Plate Control Valve 1 Lot  
PANAMA Colon LNG Terminal Expansion PJT Casting Valve 1 Lot  
POSCO Pohang Iron Works No. 2 Blast Furnace Injection Equipment Valve 1 Lot  
POSCO Pohang IRON WORKS 2ND WASTEWATER TREATMENT FACILITY Valve Repair 1Lot  
POSCO Pohang 2FINEX Columnar Dust Collector SLAG RUNNER Duct  
Commercialization of Lithium Chloride in Argentina PJT PIPE, FITTING, ACC 1Lot

### 2023~

- POSCO Pohang 1st COKE Gas Lind Construction Gas Duct & Support  
POSCO Pohang 3FINEX Melter Gasifier Cooling Gas Duct Replacement of Old Construction Control Valve for Poland Warsaw Waste Thermal Treatment Plant PJT 1Lot



### 3. C.I



# valpe

## For the Valuable Plant Engineering

### **Mission Statement**

Strive to achieve the ultimate goals !

- Technology innovation
- Stabilization of Quality
- Human minds harmonize for cooperation





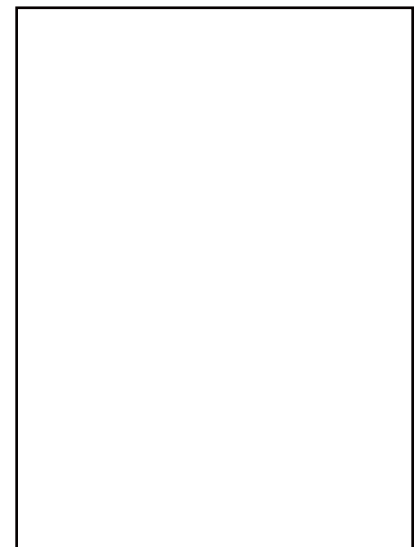
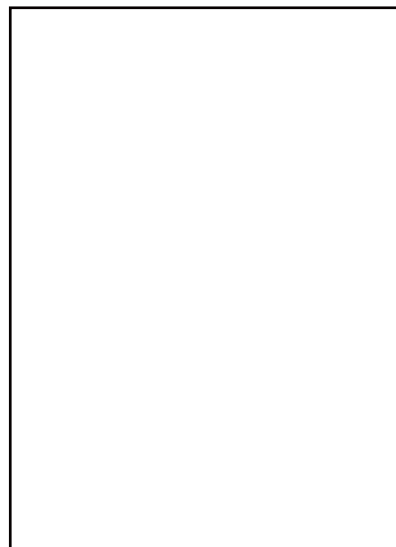
### 3. C.I / Certification List



- ISO 9001:2015 Quality Management system certification
- ISO 45001:2018 Occupational health and safety management systems certification
- ISO 14001:2015 Environmental management systems certification



● MAINBiz MANAGEMENT +INNOVATION +BUSINESS





### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
특허 Patent Number	제 10-2015773 호
출원번호 Application Number	제 10-2019-0028497 호
출원일 Filing Date	2019년 03월 13일
등록일 Registration Date	2019년 08월 23일
<p>발명의 명칭 Title of the Invention          공기 정화 장치를 구조를 외면에 설치하기 위한 체결 구조</p>	
<p>특허권자 Patentee          등록사항란에 기재</p>	
<p>발명자 Inventor          양광동(690115-*****)          전라남도 광양시 광양읍 서북2길 115, 103동 1103호(칠성e-편한세상)</p>	
<p>위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.          This is to certify that, in accordance with the Patent Act, a patent for the invention          has been registered at the Korean Intellectual Property Office.</p>	
 <b>특허청</b> Korean Intellectual Property Office	<p>2019년 08월 23일</p> <p>특허청장          COMMISSIONER,          KOREAN INTELLECTUAL PROPERTY OFFICE</p> <p><b>박원주</b></p>
	 <p>QR코드로 현재기준          등록사항을 확인하세요</p>



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
<b>특허</b> <small>Patent Number</small>	<b>제 10-1816771 호</b>
<b>출원번호</b> <small>Application Number</small>	<b>제 10-2016-0174592 호</b>
<b>출원일</b> <small>Filing Date</small>	<b>2016년 12월 20일</b>
<b>등록일</b> <small>Registration Date</small>	<b>2018년 01월 03일</b>
<b>발명의 명칭</b> <small>Title of the Invention</small> <b>링크로드 세그먼트형 무(無)시트 볼밸브</b>	
<b>특허권자</b> <small>Patentee</small> <b>등록사항란에 기재</b>	
<b>발명자</b> <small>Inventor</small> <b>양광동(690115-*****)</b> <b>전라남도 광양시 광양읍 서북2길 115, 103동 1103호(칠성e-편한세상)</b>	
<p style="text-align: center;"> <b>위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.</b>  <b>This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.</b> </p>	
 <b>특허청</b> <small>Korean Intellectual Property Office</small>	2018년 01월 03일 <hr/> <b>특허청장</b> <small>COMMISSIONER,          KOREAN INTELLECTUAL PROPERTY OFFICE</small> 



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
<b>특허</b> <small>Patent Number</small>	<b>제 10-1837499 호</b>
<b>출원번호</b> <small>Application Number</small>	<b>제 10-2017-0105552 호</b>
<b>출원일</b> <small>Filing Date</small>	<b>2017년 08월 21일</b>
<b>등록일</b> <small>Registration Date</small>	<b>2018년 03월 06일</b>
<b>발명의 명칭</b> <small>Title of the Invention</small> <b>스윙차단밸브</b>	
<b>특허권자</b> <small>Patentee</small> <b>등록사항란에 기재</b>	
<b>발명자</b> <small>Inventor</small> <b>양광동(690115-*****)</b> <b>전라남도 광양시 광양읍 서복2길 115, 103동 1103호(칠성e-편한세상)</b>	
<p>위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.          This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.</p>	
 <b>특허청</b> <small>Korean Intellectual Property Office</small>	2018년 03월 06일 <hr/> <b>특허청장</b> <small>COMMISSIONER,          KOREAN INTELLECTUAL PROPERTY OFFICE</small> <b>성찬모</b>



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT



**특허증**  
CERTIFICATE OF PATENT

<b>특허</b> Patent Number	<b>제 10-1876982 호</b>
<b>출원번호</b> Application Number	<b>제 10-2017-0025923 호</b>
<b>출원일</b> Filing Date	<b>2017년 02월 28일</b>
<b>등록일</b> Registration Date	<b>2018년 07월 04일</b>

**발명의 명칭** Title of the Invention  
**양방향 무(無)시트 버터플라이밸브**

**특허권자** Patentee  
**등록사항란에 기재**

**발명자** Inventor  
**양광동(690115-\*\*\*\*\*)**  
**전라남도 광양시 광양읍 서북2길 115, 103동 1103호(칠성e-편한세상)**

**위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.**  
**This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.**



**특허청**  
Korean Intellectual  
Property Office

2018년 07월 04일

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**특허청장**  
COMMISSIONER,  
KOREAN INTELLECTUAL PROPERTY OFFICE

**성 은 모**



QR코드로 현재기준  
등록사항을 확인하세요



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT



**특허증**  
CERTIFICATE OF PATENT

**특허** 제 10-1852412 호  
Patent Number

**출원번호** 제 10-2017-0105549 호  
Application Number

**출원일** 2017년 08월 21일  
Filing Date

**등록일** 2018년 04월 20일  
Registration Date

**발명의 명칭** Title of the Invention  
강제 폐쇄 가능한 체크밸브

**특허권자** Patentee  
등록사항란에 기재

**발명자** Inventor  
양광동(690115-\*\*\*\*\*)  
전라남도 광양시 광양읍 서북2길 115, 103동 1103호(질성e-편한세상)

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This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



**특허청**  
Korean Intellectual  
Property Office

2018년 04월 20일



QR코드로 현재기준  
등록사항을 확인하세요

**특허청장**  
COMMISSIONER,  
KOREAN INTELLECTUAL PROPERTY OFFICE

성 춘 모



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
특허 Patent Number	제 10-1924851 호
출원번호 Application Number	제 10-2018-0039456 호
출원일 Filing Date	2018년 04월 05일
등록일 Registration Date	2018년 11월 28일
발명의 명칭 Title of the Invention <b>톱니 볼록을 내경면에 부착한 플랜프</b>	
특허권자 Patentee <b>등록사항란에 기재</b>	
발명자 Inventor <b>양광동(690115-*****)</b> <b>전라남도 광양시 광양읍 서북2길 115, 103동 1103호(철성e-편한세상)</b>	
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 <b>특허청</b> Korean Intellectual Property Office	2018년 11월 28일 <hr/> <b>특허청장</b> COMMISSIONER, KOREAN INTELLECTUAL PROPERTY OFFICE 
	 QR코드로 현재기준 등록사항을 확인하세요



### 3. C.I / Certification List



#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
특허 Patent Number	제 10-1970958 호
출원번호 Application Number	제 10-2018-0123170 호
출원일 Filing Date	2018년 10월 16일
등록일 Registration Date	2019년 04월 16일
발명의 명칭 Title of the Invention 태양광패널 부착 설치용 파이프 브라켓	
특허권자 Patentee 등록사함란에 기재	
발명자 Inventor 양광동(690115-*****) 전라남도 광양시 광양읍 서북2길 115, 103동 1103호(질성e-편한세상)	
위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다. This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.	
 <b>특허청</b> Korean Intellectual Property Office	2019년 04월 16일  특허청장 COMMISSIONER, KOREAN INTELLECTUAL PROPERTY OFFICE 
	QR코드로 현재기준 등록사항을 확인하세요





### 3. C.I / Certification List

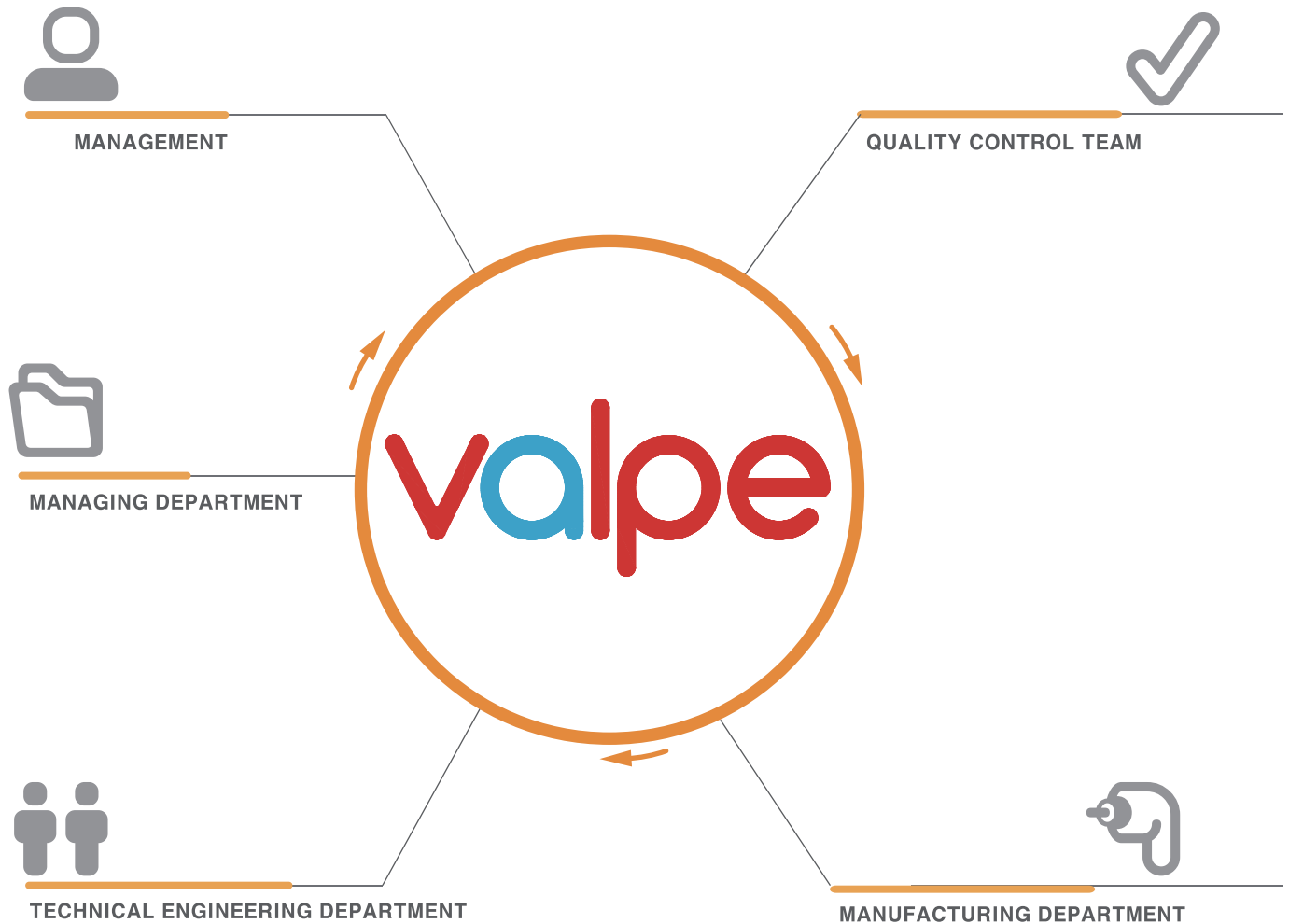


#### ● CERTIFICATE OF PATENT

	
<b>특허증</b> CERTIFICATE OF PATENT	
특허 Patent Number	제 10-1934798 호
출원번호 Application Number	제 10-2018-0088270 호
출원일 Filing Date	2018년 07월 30일
등록일 Registration Date	2018년 12월 27일
발명의 명칭 Title of the Invention <b>원형기동 곡면 부착형 척탈조립식 태양광패널 설치 장치</b>	
특허권자 Patentee <b>등록사항란에 기재</b>	
발명자 Inventor <b>양광동(690115-*****)</b> <b>전라남도 광양시 광양읍 서북2길 115, 103동 1103호(칠성e-편한세상)</b>	
<p>위의 발명은 「특허법」에 따라 특허등록원부에 등록되었음을 증명합니다.          This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.</p>	
 <b>특허청</b> Korean Intellectual Property Office	2018년 12월 27일 <hr/> <b>특허청장</b> COMMISSIONER, KOREAN INTELLECTUAL PROPERTY OFFICE 
	 QR코드로 현재기준 등록사항을 확인하세요



## 4 Organization



Company Outline	
Annual sales amount	34,853,453 US(\$)
Personnel status	56 employees
Business Registration No.	506-81-70279
Location	Pohang KOREA
Telephone Number	+82 54-275-5045~9
Fax Number	+82 54-275-5062~4
E-mail	valpe@valpe.co.kr
Business Item	Mechanical Work, Gas Facility and Steel Structure Construction Work, Metal Windows and Doors Works, Rear Earth Metal business, Diesel Locomotive, Tank Lorry Manufacture.

Max. Capacity of Volume : 4,200 Ton/Year (Total of No.1 & No.2 Shop)



## 5 Manufacturing facility



PAIN T & SHOT BLAST SHOP  
 SIZE : 23,000L x 7,500W x 6,000H (mm)



FURNACE (P.W.H.T & S.R)  
 SIZE : 13,000L x 4,350W x 4,600H (mm)



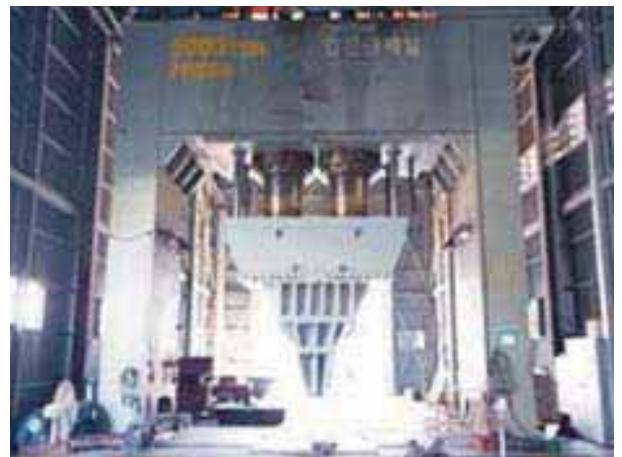
CNC BTA (Subsidiary DKMC)



VERTICAL LATHE M/C (Subsidiary DKMC)  
 SIZE : 6,000  $\varnothing$  x 1,600H



3 ROLL BENDING MACHINE  
 (Capacity : Max. Th'k 50mm / W 4,000mm)



HEAD FORMING  
 (SUB-CONTRACTOR GEUMGOG)



## 6. Project Photo



Space Walk, which has become a new landmark of Pohang, the city of iron and light, is joined by POSCO Pohang Hwanho Park “CLOUD ART” Installation\_ 2nd Fabrication of steel structures 1 Lot.





## 6 . Project Photo



TAPEING MACHINE ASSEMBLY  
Buyer : poscosteelion CCL LINE





## 6. Project Photo



PAY-OFF REEL UNCOILER MANUFACTURING/Installation work /  
TTC STEEL POHANG PLANT 2LINE





## 6. Project Photo



ELECTRIC CLEANING SYSTEM  
BY POSCO 4CGL 2CAL ELECTRIC CLEANING TANK





## 6. Project Photo



ELECTRIC CLEANING SYSTEM  
BY POSCO ICAL BRUSH SCRUBBER TANK WITH ELECTRIC CLEANING TANK

ICAL #1 BRUSH SCRUBBER TANK



ICAL #2 BRUSH SCRUBBER TANK



ELECTRIC CLEANING TANK



HOT WATER RINSE TANK

LINE SPECIFICATION		
MATERIALS	THICKNESS (MM)	0.3 - 1.6 mm
	WIDTH (MM)	720 - 1,650 / 1,860 (BAF) mm
	WEIGHT (TON)	MAX. 40 Ton
	OUT DIA' (MM)	MAX. 2,660 mm
	INNER DIA' (MM)	508 mm
LINE SPEED	LINE SPEED(ENTRY)	MAX. 620 / 800 (BAF) mpm
	LINE SPEED(CENTER)	MAX. 430 mpm
	LINE SPEED(DELIVERY)	MAX. 620 mpm
	THREADING SPEED	30 mpm

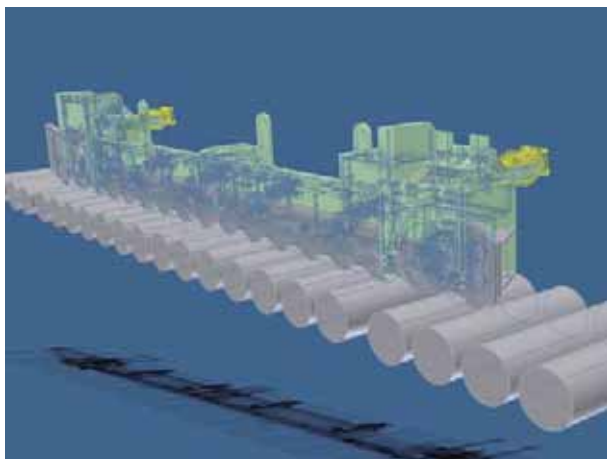




## 6. Project Photo



Hot Rolling Mill DownCoiler Side Guide  
Buyer : posco Pohang Plant HSM





## 6. Project Photo



NUCOR BRANDENBURG / DANIELI & C Side guide DP06X4U1

Pos. No. 0305, 0612, 0772, 0793, 0852, 1002, 1102, 1301, 2402



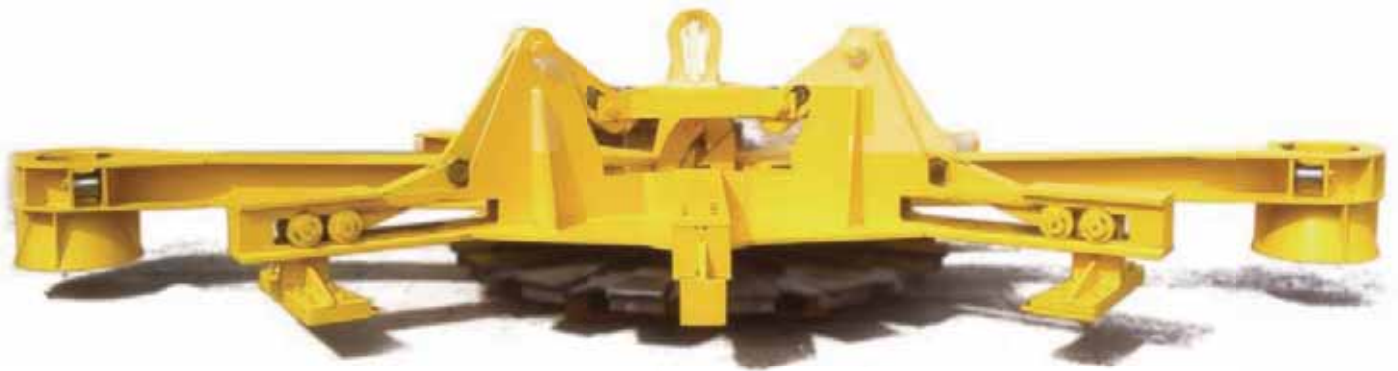


## 6. Project Photo



- COMPACTER HANDLING 3ARM LIFTER
- HYUNDAI HYSCO DANGJIN PLANT

GUIDE POLE CENTER 5,400mm  
 GUIDE POLE DIAMETER 267.4mm  
 CLAMP CAPACITY 2,200mm~2,800mm  
 TYPE : 5ton / 3-JAW



- O.C.T.G PIPE DRIFT TESTER
- SeAH STEEL POHANG PLANT

TEST MANDREL SPECIFICATION OF 4-1/2"x11.6lb/ft STD ~ 16"x65.0lb/ft STD PIPE





## 6. Project Photo



RACK&PINION TYPE COIL LIFTER

SWIVELLING ANGLE 360

TURN SPEED :

OPERATING : REMOTE CONTROL JOYSTIC

CAPACITY MAX 15TON





## 6. Project Photo



ROTARY C-HOOK

SWIVELLING ANGLE 360

TURN SPEED :

OPERATING : REMOTE CONTROL JOYSTIC

CAPACITY MAX 15TON



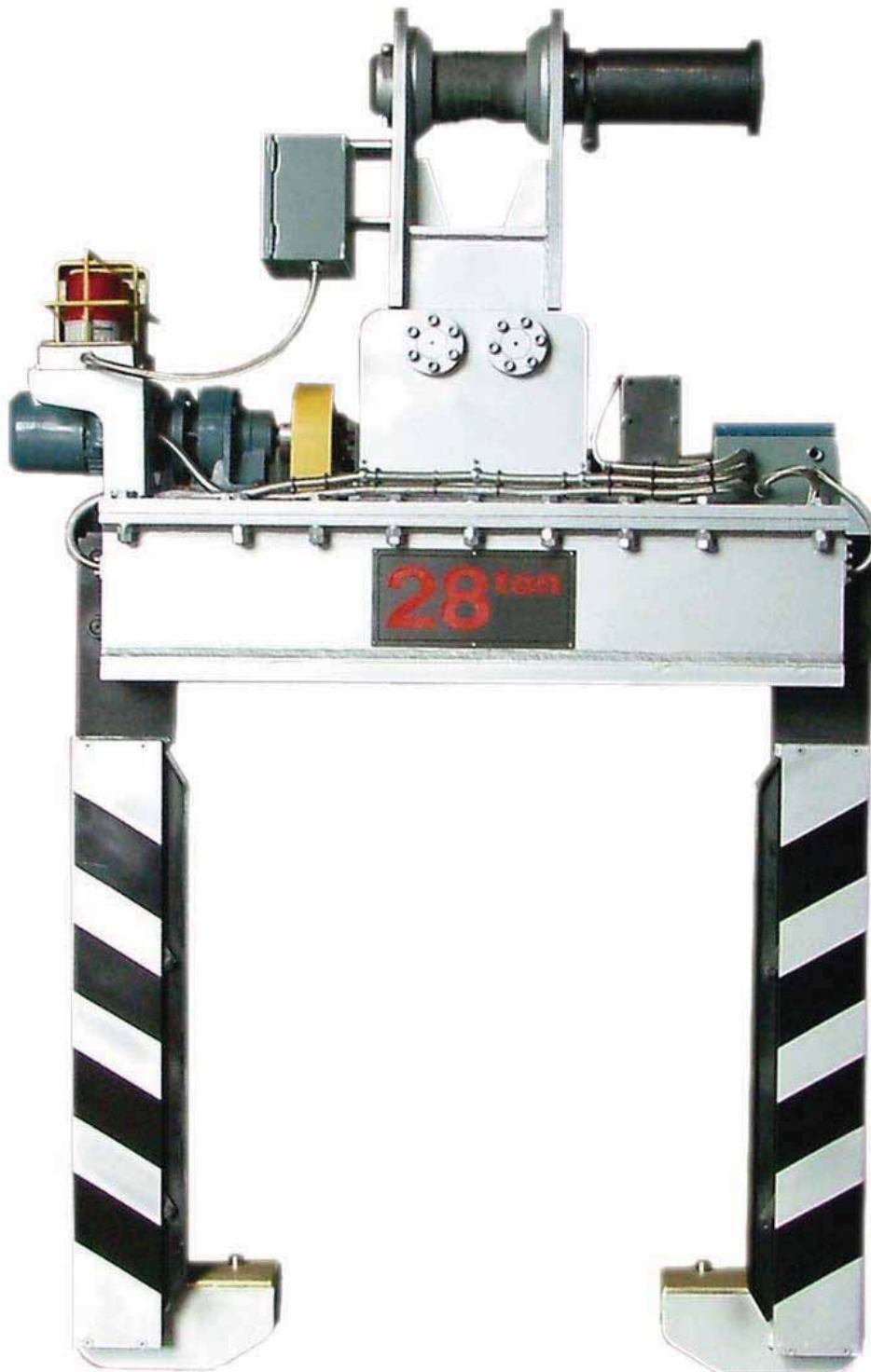


## 6. Project Photo



COIL LIFTER FORHOT COIL CAPACITY : 28TON

BY POSCO Hot Rolling Mill





## 6. Project Photo



INGOT TONGS CAPACITY : 15TON

by Hyudai Steel Inchon Work





## 6. Project Photo



INGOT TONGS CAPACITY : 85TON

By Hyundai Steel Inchon Work







## 6. Project Photo



VIRTICAL COIL TONGS CAPACITY : 36TON

By DongKuk Steel Pohang Work



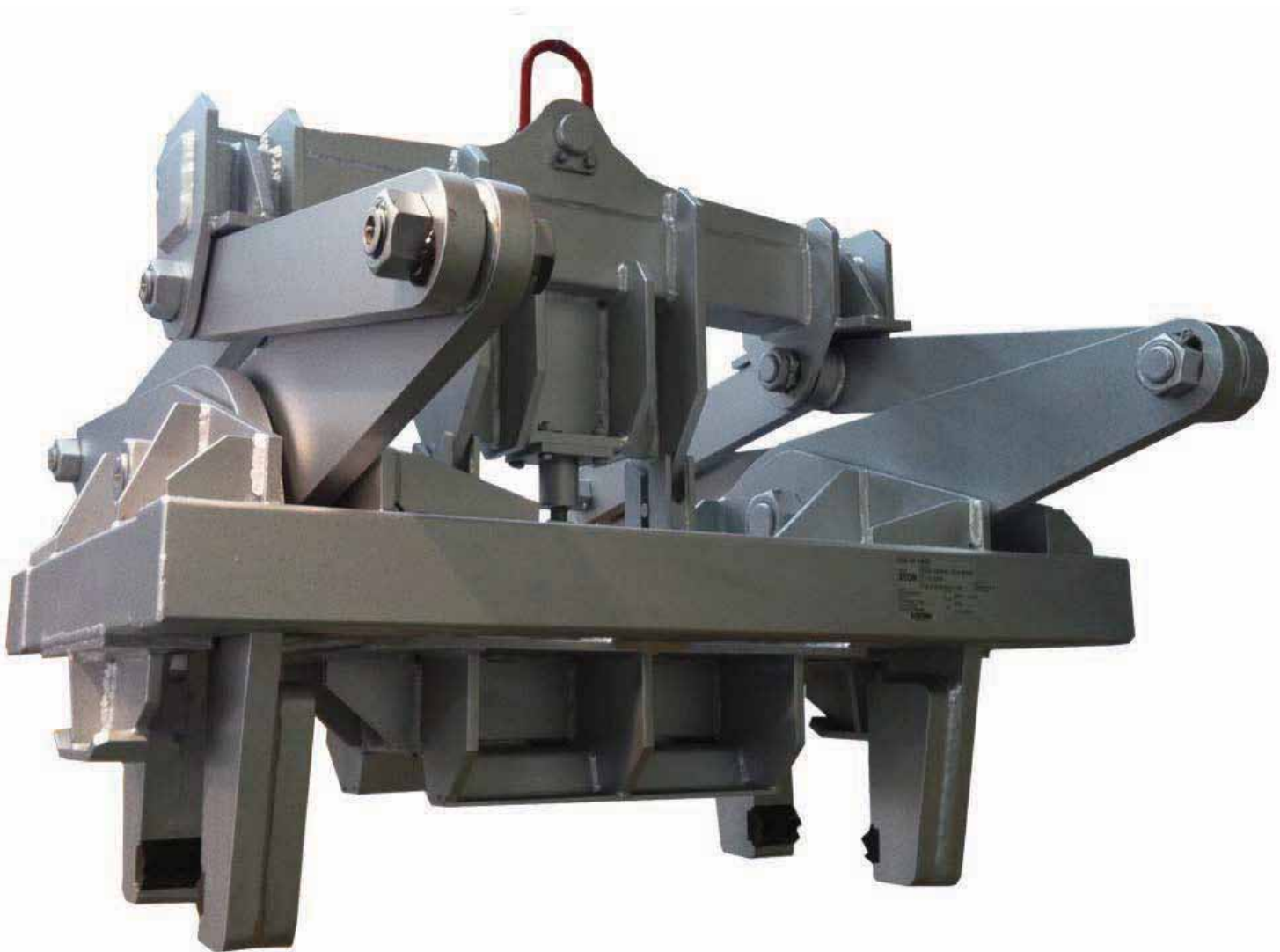


## 6. Project Photo



SLAB TONGS CAPACITY : 3TON

By Posco Special Steel ChangWon Work





## 6. Project Photo



10 TON SLAB LIFTER

Buyer : Hyundai Steel DangJin Plant HSM





## 6. Project Photo



85ton Ingot TONGS / HYUNDAI STEEL





## 8. CONTRACT



HEAD OFFICE & FACTORY | 28. Jungmongju-ro 847beon-gil  
Nam-gu, Pohang-si South Korea

FACTORY

| 190-1, Cheolgangasandan-ro, 130beon-gil, Ocheon-eup,  
Nam-gu, Pohang-si South Korea



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