OSMI









KOREAN Manufacturer
Flow Line Equipment
Forging Products
Treating Iron











SMI PROFILE



SMI is Korean leading manufacturer of flow line equipment

CEO Sun Bong, Bae

Establishment Sep 1. 1998

> Employees 94

Business Scope
Oil & Gas Industry
Casting and Machining



MANAGEMENT POLICY





HI

HISTORY OF SMI

1990s

• 1998.09 Establishment / Registered on vendor of Hyundai Heavy Industry

2000s

- 2002.10 Certified with the ISO 9001
- 2005.03 Expanded Plant II / Start Oil & Gas Industry
- 2008.11 Obtained a patent on a frame structure of water cooling system

2010s

- 2010.03 Obtained Certifications of API MONOGRAM LISENCE. (6A,6D,16C)
- 2011.01 Registered on vendor of National Iranian Drilling Company
- 2012.12 Achieved \$5Milion export / Received a presidential citation
- 2013.08 Registered on vendor of Peru Public Procurement Service
- 2014.12 Achieved \$10Milion export

2015s

- 2015.06 Registered on vendor of Samsung Heavy Industry and DSME
- 2015.09 Obtained two patents on a pressure test equipment
- 2016~ Governmental R&D Projects : High pressure Diverter / Hub Clamps / Wash pipe



VISION 2020

20% Decrease

Defective

every year

Export to more than 30 Countries in 2020

Sustainable
Growth with
Future Dream

20% Increase
Sales Volume
every year

2020 Global Hidden Champion Happy and Harmonious Company





Onshore Application





Offshore Application





- Flow line equipment
- Choke and kill line
- High pressure cement line
- High pressure mud line
- Fracturing unit
- Wellhead and well testing
- Crude oil and fuel oil
- Gas and compressed air
- Sea water and pure water



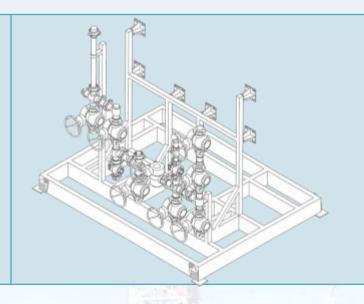
Manifold Photo SMI CO .. LTD http://smi-sdhitec.com SMI Manifolds are designed and manufactured to meet customer's requirements such as 5,7,8 or 9 Valves Manifold. Property SMI Product lines offer wide range of Hammer Union End equipments - Plug Valves, Adj. Chokes, Pos. Chokes, Tees, Crosses, Laterals, Crossovers etc. - API 6A flanged ends equipments.





Mud & Cement Manifold System Production Progress

Drawing



Property

Used on Drilling rigs such as Drill-Ship, and Semi-Rig.

- TF Team at Samsung Heavy Industy requested for production on 2014.12.23.
- The design was completed, then submitted reports and drawings on 2015.08.18
- -We expect approximately 30% of cost saving.
- -SMI can assemble complex solutions as per customer's requirement.





Plug Valve Photo 2×1 , 2×2 and 3×3 Plug Valve. Standard Service is used up to 15,000psi and tested at 22,500psi. (H2s Service is used up to 10,000psi and tested at 15,000 psi) Property Rugged Connection with Forged Alloy Steel Body. Reliable Performance at high Working pressure. Valve Parts are interchangeable with most of major brand product.





Choke Valve Photo Adjustable Choke Positive Choke 2" Fig1502 MxF with 3/4", 1" Orifice and 3" Fig1502 MxF with 2" Orifice. 2" and 3" Fig 1502 with Adjustable type and Positive type. Standard Service is used up to 15,000psi and tested at 22,500psi. Property (H2s Service is used up to 10,000psi and tested at 15,000 psi) Forged Alloy Steel body, Stainless steel and tungsten carbide parts. Parts are interchangeable with major brands.





Cheke Valve

Photo



2" Check Valve Swing Type Composition



2" Check Valve Flapper Type Composition

Property

There are two types of 2" Fig 1502 Check Valve such as Swing Type and Flapper Type.

For 2" and 3" Fig 1502, Standard service is used up to 15,000psi and tested at 22, 500psi.

(H2S service is used up to 10,000psi and tested at 15,000psi)

Valve Parts are interchangeable with most major brands.



Gate Valve Photo Standard Service is used up to 15,000psi and tested at 22,500psi. (H2s Service is used up to 10,000psi and tested at 15,000 psi) Property Specification for Wellhead and Christmas Tree Equipment Suitable for variety of high pressure applications such as mud manifold, well testing and etc.





Trunnion Ball Valve Photo API 6A Trunnion mounted ball valves made with AISI 4130/4140. $1^{13}/_{16}$ " ~ $3^{1}/_{8}$ " API 5000psi and 10000psi are available. Property Lip seals for high pressure sealing. Metal rings for efficient fire safety.





Swivel Joint Photo Style #10 Style #30 Style #50 Forged Alloy Steel Elbows with Heat Treatment. Standard Service is used up to 15,000psi and tested at 22,500psi. (H2s Service is used up to 10,000psi and tested at 15,000 psi) Property

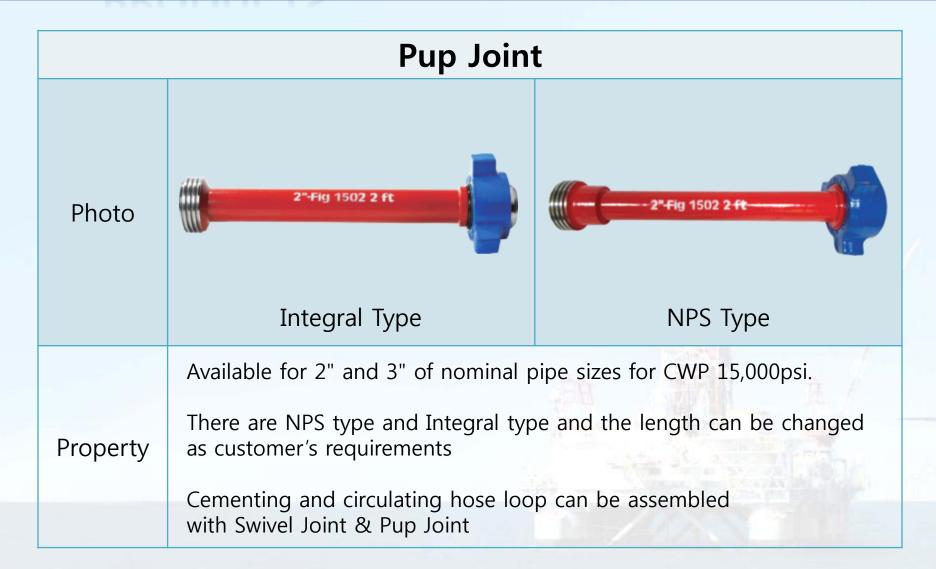
www.smi.co.kr

Each Product is serialized and pressure tested.

All Styles are available in nominal size 2" and 3" with 1502 Union Ends.









	Fittings	
Photo	Elbow	Tee
Photo	Cross	Adapter
Property	SMI Fittings are available 2" to 3" no STD service CWP 15000psi/ TP 2250 H2S service CWP 10000psi/ TP 1500	00 psi
	Wide range of fittings from Elbow t	o Swages with Fig 1502 Union Ends.





Studded Block (Tee, Cross) Photo Standard Service is used up to 15,000psi and tested at 22,500psi. (H2s Service is used up to 10,000psi and tested at 15,000 psi) Property Specification for Wellhead and Christmas Tree Equipment Suitable for variety of high pressure applications such as mud manifold, well testing and etc.





Hammer Union Fig 100 Fig 400 Fig 200 Fig 602 Photo Fig 1002 Fig 1502 Fig 2202 Manufactured from forged steel to meet specific pressure ratings. Available all size and figure / Threaded and Butt Weld Property All H2S Service parts conform to the latest NACE specifications. SMI Hammer unions are fully interchangeable with WECO union.



SALES STATUS



(UNIT: USD 1000)

No.	Category	Market	2011	2012	2013	2014	2015	2020 Goal	Remark
1 Flow Line Equipment	Overseas	1,578	11,650	13,450	17,758	10,335	50,000	400	
	Domestic	_	50	150	867	1,835	8,000	60%	
2	Electronic Motor Parts	Domestic	8,285	9,650	8,740	8,951	8,543	12,000	40%
Total		9,863	21,350	22,340	27,576	20,713	70,000	100%	





SALES REFERENCE

	Client	Country	Item	Year
American Block	American Block	USA	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2010~2016
Chem On	Chem Oil Products	USA	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2010~2016
CONCROL	EZ FLOW Control Inc.	USA	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2012~2016
ON TOP OF YOUR NEEDS NOUNTAIN SUPPLY & SERVICE	Mountain Supply and Service	USA	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2013~2016
HRMMS OLFIELD	Hamm's Oil Field Goods	USA	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2012~2016
	VALVES & FITTINGS, INC.	USA	Plug Valve, Ball Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2011~2016
OMACC STA	DIMACC	Equador	Plug Valve, Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2012~2016
100 00mce	IOT-Dosco B.V	Netherland	Plug Valve, Swivel Joint, Pup Joint and etc.	2015~2016
JOHN BELL PIPELINE Trainment Company Linear	John Bell Pipeline Equipment Co Ltd	UK	Hammer Union, Union Fittings and etc.	2015~2016
MANFOLD DISTRICT SPEEDMENTS MAN	Manifold System International FZC	UAE	Choke Valve, Swivel Joint, Hammer Union, Union Fittings and etc.	2013~2016
GENERAL PETROLEUM OIL TOOLS	General Petroleum Oil Tools	Australia	Plug Valve, Choke Valve, Ball Valve, Hammer Union, Union Fittings and etc.	2010~2016



PROJECT REFERENCE



Company		Project Name	Туре	Scope of Supply	
	ENSCO	SN 2059 ENSCO 78K	Semi-Rig		
	Stena	SN 2097 STENA #1	Semi-Rig		
	Statoil	SN 2099 STATOIL MARINER	FSO		
a Hallia		SN 7117 / 7118 STATOIL CAT-J	Jack up-Rig		
Samsung Heavy Industries Industries	MAERSK DRILLING	SN 7107 MAERSK #4	Drill Ship	Hammer Union	
	Seadrill	SN 7109 SEADRILL	Drill Ship	Hub Clamp Crossover	
		SN 7119 / 7120 SEADRILL	Drill Ship		
	Pacific Drilling	SN 7116 PACIFIC DRILLING	Drill Ship		
	SEA-tankers	SN 7111 SEATANKERS	Drill Ship		
	OCEAN RIG	SN 7103 OCEAN RIG	Drill Ship		



PROJECT REFERENCE



Company		Project Name	Туре	Scope of Supply
	Statoil	P6056 STATOIL MARINER	Offshore Plant	
	ODFJELL DRILLING	H3033 ODFJELL DRILLING	Semi-Rig	
	Songa — Offshore	H3034/3035 SONGA CAT-D	Semi-Rig	
DSME	MAERSK DRILLING	H3305 MAERSK CJ70	Jack up-Rig	
DSME (Daewoo Shipbuilding & Marine Engineering)	Transocean	H3507 TRANSOCEAN DEEPWATER	Drill Ship	Hammer Union
	Transocean	H3511 TOD CHEVRON	Drill Ship	Hub Clamp Crossover
	VANTAGE DRILLING COMPANY	H3618 VANTAGE ENHANCED	Drill Ship	
	Atwood/Oceanics	H3619/3622 ATWOOD PROJECT	Drill Ship	
	Sonangol	H3620/3621 SONANGOL PROJECT	Drill Ship	
	Seadril	H3623/3624 SEADRILL	Drill Ship	





PROJECT REFERENCE

Company		Project Name	Туре	Scope of Supply
Hyundai Heavy	DIAMOND	2704 OCEAN GREAT WHITE	Semi-Rig	Hammer Union
Industries	Hebron 🖫	HEBRON PROJECT	Offshore Plant	Crossover
Harrington Gen'l Trading	HARRINGTON General Trading LLC	HO8046 DEEP CLEANER	Offshore service vessel	Plug Valve & Repair Kit, Swivel Joint, Pup Joint, Fittings
LUKOIL	LUKOIL	WEST QURNA-2 PROJECT	Onshore Platform	Plug Valve, Swivel Joint, Pup Joint, Fittings
Australia Pacific LNG	ALISTRALIA PADERO LIVIS	TALINGA Upstream Phase 1	Gas gathering Platform	Hammer Union
DANA Energy	DanaEnergy	RESHADAT OIL FIELD PROJECT	Cementing platform	Plug Valve & Repair Kit, Swivel Joint, Pup Joint, Fittings
NIDC (National Iranian Drilling Company)	NIDC	SOUTH PARS PHASE 9 – 14 SOUTH AZADEGAN DRILLING PJT	Drilling Rig	Plug Valve & Repair Kit, Swivel Joint, Pup Joint, Steel Hose, Fittings
Others		Aker Solution/Brunei Shell Petroleum British Petroleum / Caspian Drilling	Various	Various





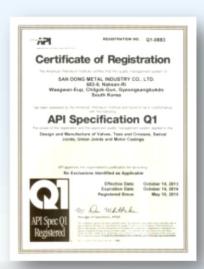




CERTIFICATES



API 6A -1064 Valves



API Specification Q1



API 16C -0134 Swivel joint



QMS ISO9001:2008



API 6D -0988 Ball Valve



EMS ISO 14001:2004



CERTIFICATES

ABS

Manufacturing Assessment

for Pipe Fittings



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ABS
Design Assessment
For Crossover 2F x 3F







By National Iranian Drilling Company (NIDC)



FACILLITIES



Machining Center (KH80G)



Machining Center (Hi-V50D)



Machining Center (Hi-V50D)



CNC Turning (ST850VD)



CNC Turning (VTB125E)



Machining Center (KH63G)





TEST / INSPECTION EQUIPMENTS



Pressure Test Range:1000psi~22500psi



Pressure Test Range:1000psi~22500psi



Brinell Hardness HB : 11.5 ~ 945



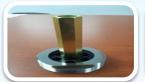
X-Y-Z Coordinate Measuring Machine



Illuminometer



Paint Film Gauge



NPT Gauge



Taper Gauge



Micrometer



Height Gauge



Inside Micrometer



Cylinder Gauge



Block Gauge



Inside Micrometer



Dial Caliper





EXHIBITION IN 2013/2014

2013.03.30~04.06	•Trade Mission to Islamic Republic of Iran
2013.06.05~06.07	•OGA Exhibition in Kuala Lumpur, Malaysia
2013.06.11~06.13	•Calgary Oil and Gas Expo in Alberta, Canada
2013.08.30~09.40	•2013 Korean Expo in Istanbul, Turkey
2013.11.10~11.13	•ADIPEC 2013 in Abu Dhabi, UAE
2013.11.13~11.15	•Oil & Gas Indonesia 2013 in Jakarta, Indonesia
2014.01.14~01.17	•Ahwaz Oil & Gas Exhibition, Iran
2014.02.16~02.20	•AOG 2014 in Perth, Australia
2014.03.24~03.27	•Gastech 2014 Korea
2014.05.02~05.13	•OTC 2014 in Houston, USA
2014.11.12~11.14	•KOMARINE 2014 in Pusan, Korea



















EXHIBITION IN 2015/2016

2015.03.18~03.20	Vietnam INMEX 2015
2015.05.04~05.07	•OTC 2015 in Houston, USA
2013.03.04**03.07	TOTE 2013 III Houston, USA
2015.06.02~06.05	•Norway Trade Fair in Oslo, Norway
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2015.09.08~09.11	•Offshore Europe 2015 in Aberdeen, UK
2015.10.27~10.29	•TMOX 2015 in Bangkok, Thailand
2015.11.09~11.11	•ADIPEC 2015 in Abu Dhabi, UAE
2015.12.01~12.04	•Marintec China 2015 in Shanghai, China
2016.03.22~03.23	•OTC ASIA 2016 in Kuala Lumpur, Malaysia
2010.03.22~03.23	*OTC ASIA 2010 III Kuala Lumpur, Malaysia
2016.04.13~04.15	•Sea Japan 2016 in Tokyo, Japan
2016.05.02~05.05	•OTC 2016 in Houston, USA
2016.05.05~05.08	•Iran Oil Show in Tehran, Iran



















WORK-SHOP & ANNUAL EVENT









OSM









The Perfect Value of SMI

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