



PREQUALIFICATION STATEMENT



SUNGWON PIPE CO., LTD.

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■ COMPANY PROFILE

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GREETING



대표이사
김 충 근

SUNGWON PIPE CO., LTD. first established in March 1973, is now the largest domestic stainless steel pipe manufacturer in Korea.

SUNGWON PIPE CO., LTD. has developed stainless steel pipe to meet the various client's requirement and supplied the best quality products for diverse industry such as heavy chemical, boilers & heat exchanger, petro-chemical and building decoration.

In 1997, as a result of continuous endeavor to improve the quality, SUNGWON PIPE CO., LTD. was approved by Bureau Veritas quality international (ISO 9002) and we are doing every effort to produce reliable product.

SUNGWON PIPE CO., LTD. assure that every member will continue its best to fulfill customer's demand under the motto "creative thinking", "active doings", "utmost devotion"

Thank you very much.

ADDRESS

● HEAD OFFICE

- ◆ Address : 740 Chonam-Ri, Kwangyang-Eup, Kwangyang-Shi Junlanam-Do, KOREA
- ◆ Telephone : 82-61-762-9211
- ◆ Fax : 82-61-763-9905
- Business dept. : 82-2-786-5995 (Fax: 82-2-786-3663)
- Homepage : www.sungwonpipe.co.kr





BRIEF HISTORY

Mar. 1973	Sungwon Pipe Co., Ltd. was Founded.
Mar. 1983	Approved Korean Industrial Standards Mark(KS) KS D3576 : Stainless Steel Pipes KS D3577 : Stainless Steel Boiler and Heat Exchanger Tubes
Aug. 1985	Approved Korean Industrial Standards Mark(KS) KS D3595 : Light Gauge Stainless Steel Pipes for Ordinary Piping
Jul. 1988	Equip with the Welded Large Diameter Roll Bending Machine.
Jan. 1993	Approved Korean Industrial Standards Mark(KS) KS D3588 : Welded Large Diameter Stainless Steel Pipes
Aug. 1996	Equip with the Welded Large Diameter Solution Treatment.
Oct. 1996	The Factory in Kwangyang began Operation.
Dec. 1996	Record on KOSDAQ(Korea Securities Dealers Association AutomatedQuotation)
Aug. 1997	Approved Korean Register of Shipping(KR)
Nov. 1997	Approved ISO 9002(Certified by BVQI)
Jun. 1998	Approved Japanese Industrial Standar Mark(JIS)



BRIEF HISTORY

Jun. 1998	Approved Lloyd's Register of Shipping(LR)
Sep. 1998	Approved Bureau Veritas(BV)
Mar. 1999	Approved Use of Det Norske Veritas(DNV)
Sep. 2000	Approved Germannischer Lloyd(GL)
Feb. 2001	Approved Registro Italiano Navale(RINA)
Aug. 2002	Renewal of Shipping Class – KR
Nov. 2002	Renewal of Shipping Class – DNV
Oct. 2002	Approved Nippon Kaiji Kyokai(NK)
Sep. 2003	Renewal of Shipping Class – GL
Nov. 2003	Renewal of Shipping Class – BV
Jan. 2004	Approval of ISO 9001:2000(Certified by BVQI)
Apr. 2004	Renewal of Shipping Class – LR
Feb. 2005	Renewal of Shipping Class – RINA
Aug. 2005	Approved ISO 14001(Certified by KIC)



CAPITAL & WORK SITE

- **CAPITAL STOCK : ₩ 22,500,000,000.**

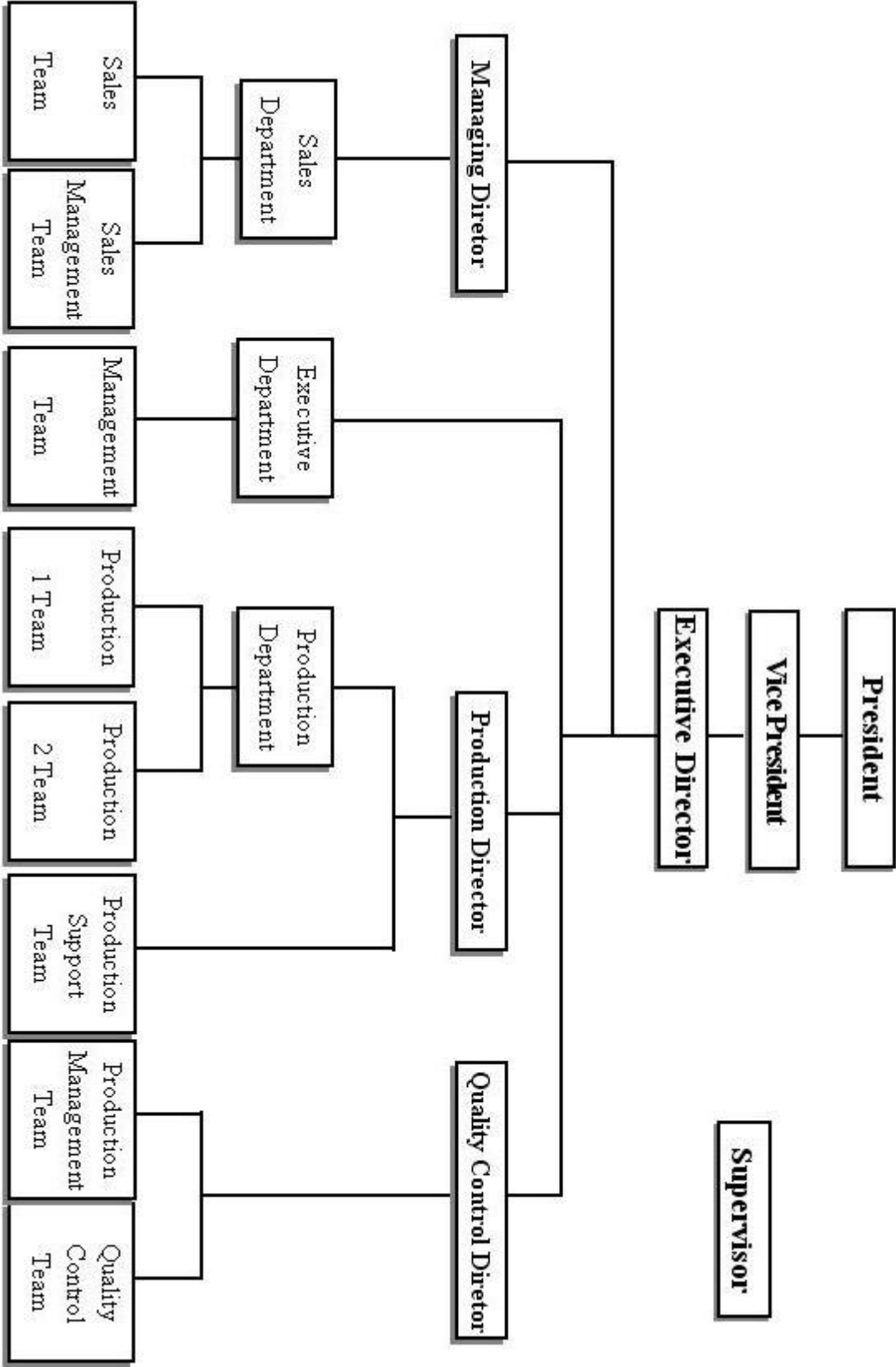
- **PLANT SITE(HEAD OFFICE)**

- ◆ Total Area : 17,716㎡
- ◆ Factory Area : 11,780㎡
- ◆ Personnel : App 70

- **SEOUL OFFICE**

- ◆ Sindonghae Bldg, 15-3 Yoid-dong Youngdeunpo, Seoul Korea
- ◆ Personnel : App 25

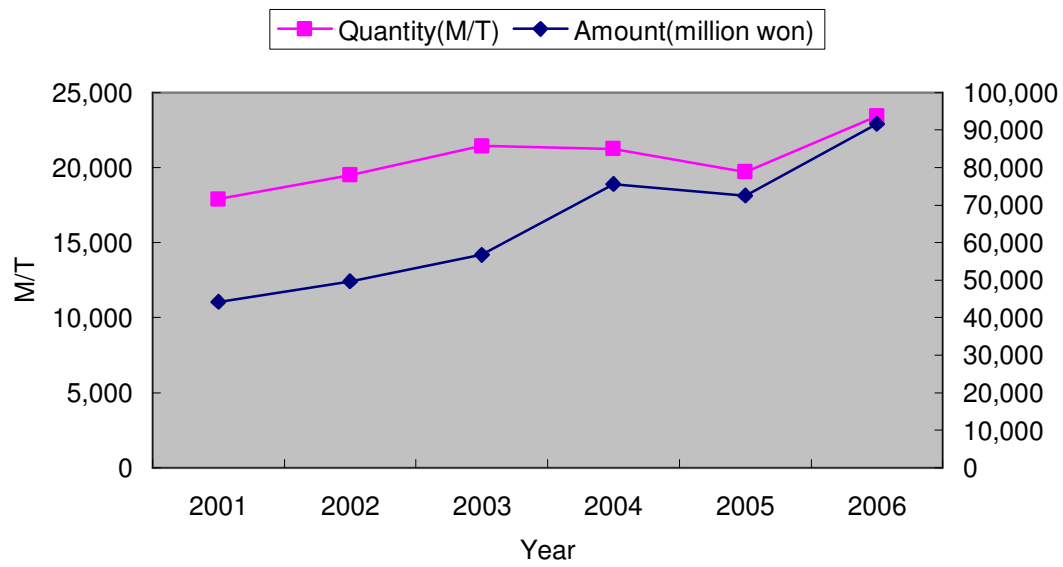
ORGANIZATION





SALES RECORDS(2001~2006)

Year	Quantity(M/T)	Amount(million won)
2001	17,895	44,208
2002	19,506	49,682
2003	21,436	56,718
2004	21,244	75,633
2005	19,701	72,510
2006	23,432	91,630





CERTIFICATE OF ACTUAL RESULTS(2003~)

NO.	BUYER	PROJECT
1.	21 CENTURY SHIPBUILDING CO., LTD.	HULL NO. CSN208~209
2.	DAEWOO SHIPBUILDING & MARINE ENGINEERING CO., LTD.	HULL NO. 2305~2309
3.	SAMHO SHIPBUILDING CO., LTD.	HULL NO. SA1046~1048
4.	"	HULL NO. SA1051~1054
5.	"	HULL NO. SA1058
6.	SHINA SHIPBUILDING CO., LTD.	HULL NO. SA416
7.	"	HULL NO. SA418~423
8.	"	HULL NO. SA427~428
9.	"	HULL NO. SA434,SA443
10.	HYUNDAI MIPO DOCKYARD CO., LTD.	HULL NO. H0128~H0128
11.	"	HULL NO. H0137
12.	"	HULL NO. H0140~H0143
13.	"	HULL NO. H146
14.	"	HULL NO. H0201~H0202
15.	"	HULL NO. H0225~H0227
16.	"	HULL NO. H0237~H0238
17.	"	HULL NO. H0254~H0255
18.	"	HULL NO. H0303,0306,0307
19.	"	HULL NO. H0318~H0319
20.	HYUNDAI MIPO DOCKYARD CO., LTD.	HULL NO. H0353,H0364
21.	"	HULL NO. H0375~H0376
22.	"	HULL NO. H0382,H0437
23.	HYUNDAI HEAVY INDUSTRIES CO., LTD.	HULL NO. H1404,1430,1436
24.	"	HULL NO. H1440,1460,
25.	"	HULL NO. H1470~H1471



CERTIFICATE OF ACTUAL RESULTS(2003~)

NO.	BUYER	PROJECT
26.	HYUNDAI HEAVY INDUSTRIES CO., LTD.	HULL NO. H1509~H1514
27.	"	HULL NO. H1517~H1518
28.	"	HULL NO. H1547
29.	"	HULL NO. H1611~H1614
30.	"	HULL NO. H1677,1757,1764
31.	"	B.P. Plutonio
32.	DAEWOO SHIPBUILDING & MARINE ENGINEERING CO., LTD.	DSME SABLE
33.	DAEWOO E&C	Tongyeong's LNG Terminal
34.	DAELIM INDUSTRIAL CO., LTD.	Kwangyang's LNG Terminal
35.	Hebei Pan Asia Longteng Paper	Paper Plant
37.	SAMSUNG ENGINEERING & CONSTRUCTION	Onyang Factory
38.	"	Chunan LCD 1~6LINE
39.	"	Kiheung 1~14LINE
40.	"	Tangjung LCD 7LINE
41.	LG ELECTRONICS INC.	Kumi PDP A3 LINE
42.	"	Paju P7 LINE
43.	SUNGKWANG BEND CO., LTD.	FITTINGS
44.	TAE Kwang BEND IND. CO.	"
45.	SK Corporation	
46.	DOOSAN HEAVYINDUSTRIES & CONSTRUCTION CO., LTD.	DUBAI Freshwater Plant
47.	KOLON INDUSTRIES, INC.	
48.	PAN ASIA PAPER KOREA CO., LTD.	Paper Plant
49.	Korea Zinc Company Inc.	

■ PRODUCT

☐ **Size Availability**

☐ **Product Item(Stainless Steel Pipes-EFW)**



[illegible]

[illegible]



Products Item(Stainless Steel Pipes-EFW)

● Stainless Steel Grade

KS	JIS	ASTM	DIN
STS 304 TP	SUS 304 TP	TP 304	1.4301
STS 304L TP	SUS 304L TP	TP 304L	1.4306
STS 316 TP	SUS 316 TP	TP 316	1.4401
STS 316L TP	SUS 316L TP	TP 316L	1.4404
STS 310S TP	SUS 310S TP	TP 310S	1.4845
STS 317L TP	SUS 317L TP	TP 317L	-
STS 321 TP	SUS 321 TP	TP 321	1.4541
STS 329J3L TP	SUS 329J3L TP	UNS:S31803	-

※ Titanium Alloy welded pipe (Grade 2)

※ Nickel Alloy welded pipe (Hastelloy C-22)

● Available Specification

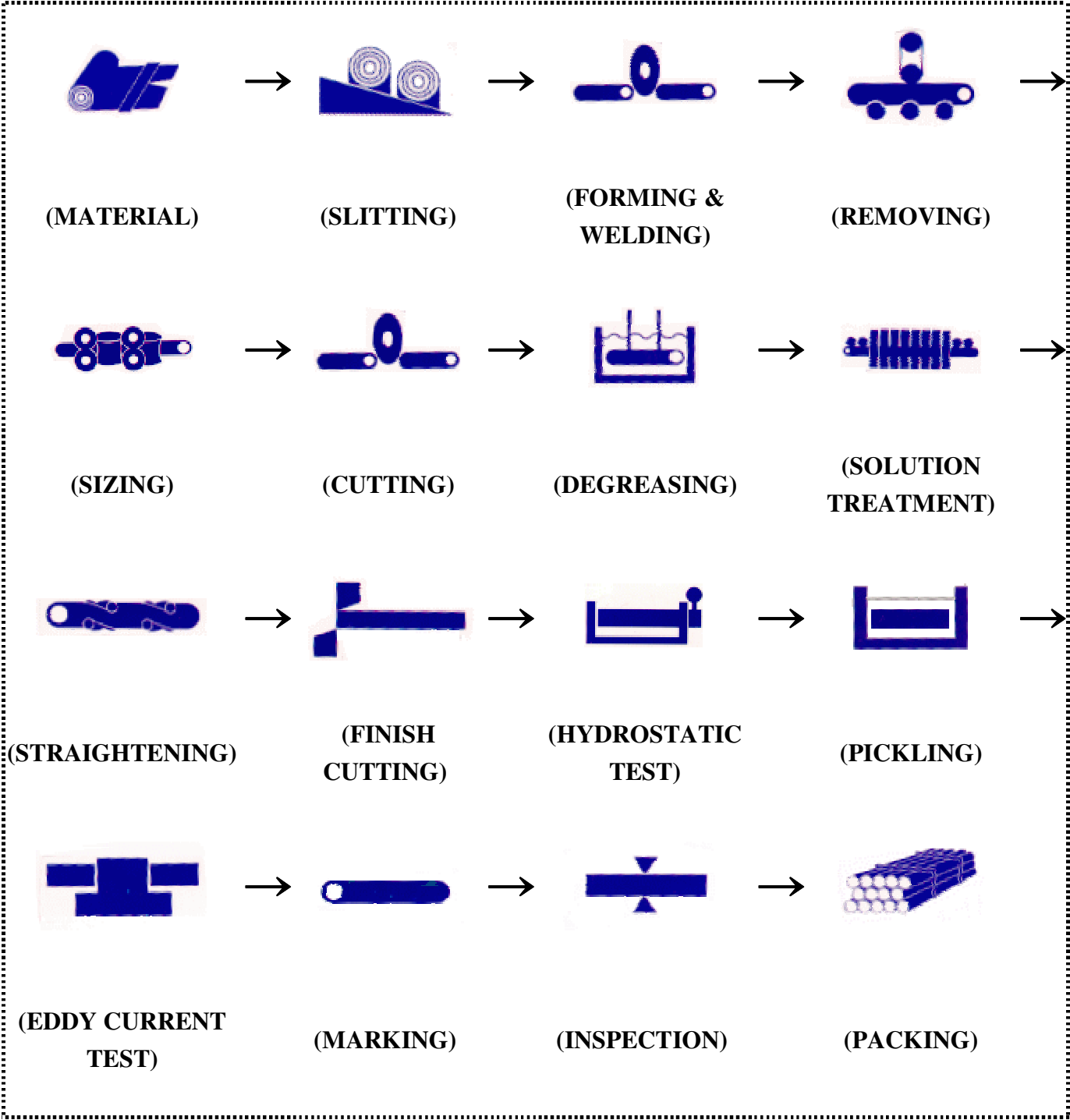
Application	KS	JIS	ASTM
General Piping	D3576	G3459	A312/A530
Large Diameter Pipes	D3588	G3468	A358/A409
Boiler & Heat Exchanger Tubes	D3577	G3463	-
Ordinary Piping	D3595	G3448	-

※ Please consult with us for size not listed here



MANUFACTURING PROCESS & CAPACITY

● Manufacturing Process





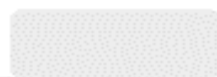
MANUFACTURING FACILITIES & CAPACITY

ITEM (TYPE)	Q'TY	DESCRIPTION	Capacity (Year M/T)
TUBE MILL (TIG, PLASMA)	10 LINES	O.D 3/8" ~ 14" WALL THICKNESS 2.0 ~ 9.52mm LENGTH 4 ~ 12M	25,000
PLATE 4ROLL BENDING MACHINE	2 LINES	O.D 14" ~ 82" WALL THICKNESS 3.0 ~ 20.0mm LENGTH UNDER 6.1M	4,000
FLAT SHEET SEAMER BENCH (TIG, PLASMA WELDING M/C)	1 LINE	WALL THICKNESS 3.0 ~ 20.0mm LENGTH UNDER 6.1M	1,000
PMF COLUMN (EXTERNAL & INTERNAL PLASMA/TIG WELDING M/C)	1 LINE	O.D 12" ~ 82" WALL THICKNESS 3.0 ~ 20.0mm LENGTH UNDER 12M	1,800
SOLUTION HEAT ANNEALING FURNACE	1 SET	O.D MAX 36"	24,000
STRAIGHTENING M/C (CROSS ROLL TYPE)	4 SETS	O.D 3/8" ~ 14" WALL THICKNESS 1.5 ~ 7.1mm	25,000
ENDS FACING M/C (INCLUDE BEVEL M/C)	3 SETS	O.D 3/8" ~ 24" WALL THICKNESS 1.5 ~ 15.0mm LENGTH 6M	25,000
PICKLING EQUIPMENT	2 LINES	1,200mm × 1,150mmH × 8,500mmL 1,200mm × 1,150mmH × 14,000mmL	22,000
MARKING MACHINE	2 SETS	O.D 3/8" ~ 82" LENGTH UNDER 12M	25,000

※ O.D : Outside Diameter



INSPECTION & TESTING FACILITIES



ITEM(TYPE)	O'TY	DESCRIPTION	REMARKS
HYDROSTATIC TESTER	1	O.D :17.3 ~ 323.85mm LENGTH : 6m	PRESSURE TEST
HYDROSTATIC TESTER	1	O.D :216.3 ~ 1,066.8mm LENGTH : 6m	PRESSURE TEST
EDDY CURRENT TESTER	3	O.D : 17.3 ~ 168.28mm	THE RANGE OF TESTING : WHOLE OF THE PIPES
		O.D : 114.3 ~ 168.28mm	THE RANGE OF TESTING : WELD AREA
		O.D : 267.4 ~ 323.85mm	THE RANGE OF TESTING : WELD AREA
UNIVERSAL TESTING M/C	1	MODEL : KDU-50 CAPACITY : 30 TONS	MECHANICAL TEST
ROCKWELL HARDNESS TEST	1	TEST LOAD: 60,100,150kg	HARDNESS TEST
SPECTRO METER	1	MODEL : TJF7CO2F GRADE NAME: C, Si Mn, P, S, Cr, Mo Ni, Ti, Nb, Fe	CHEMICAL ANALYZER
TUBE MICROMETER	30	0-25mm, 75-100mm 300-400mm, 400-500mm	THICKNESS
VERNIER CALIPER	30	0-300mm, 0-600mm 0-500mm(Long Jaw)	OUT(IN)SIDE DIAMETER
ULTRASONIC THICKNESS GAUGE	1	0.635mm-500mm	THICKNESS



APPROVED CERTIFICATION

DESIGNATION	CERTIFICATE No.	EXPIRATION
Bureau Veritas Quality International (ISO 9001:2000 KSA 9001:2000)	202887	2009-12-29
Korea Int'l Standards Certification (ISO 14001:2004 KSA 14001:2004)	206767	2008-08-18
Korean Register of Shipping(KR)	KYG80038-ST001	2012-08-26
Lloyd's Register of Shipping(LR)	MD00/2221/0004/4	2010-01-10
Bureau Veritas(BV)	07800/B0 BV	2008-11-02
Det Norske Veritas(DNV)	AMM-3146	2011-06-30
Germanischer Lloyd's(GL)	WZ 1062 HH1	2009-09-30
Registro Italiano Navale(RINA)	05/PU/AL/0360	2010-02-16
Nippon Kaiji Kyokai(NK)	02EW631ROL	2005-10-15
Japanese Industrial Standards(JIS G3448)	CRKR07001	2010-10-28
Korean Industrial Standards(KS) (KSD3576, KSD3577, KSD3595, KSD3588)	3016, 3017 4140, 9689	-



Certification

Awarded to

SUNGWON PIPE Co., Ltd.

740, CHONAM-RI, GWANGYANG-EUP, GWANGYANG-SI, JEONLANAM-DO, KOREA

BVQI certify 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

STANDARD

ISO 9001:2000 / KS A 9001:2001

SCOPE OF SUPPLY

PRODUCTION OF STAINLESS STEEL WELDED TUBES AND PIPES

Original Approval Date : **28 November 1997**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate is valid until : 29 December 2009

To check the validity of this certificate please call (+82-2-567-9001)

Further clarification regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation

Certificate Number: 202887

Date: 29 December 2006

Bhangwhan O



008

Managing office : BVQI Korea, Rm 1012, Kungji Tower, 677-25,
Yeoksam-Dong, Gangnam-Gu, Seoul, Korea
Issuing office : BVQI (Holding) S.A., 2nd Floor, Tower Bridge Court,
224-026 Tower Bridge Road, London SE1 7TS

BUREAU VERITAS
Certification



Certification

Awarded to

SUNGWON PIPE Co., Ltd.

#740, CHONAM-RI, GWANGYANG-EUP, GWANGYANG-SI, JEONLANAM-DO, KOREA

Bureau Veritas Certification certify that the Management System of the above organization has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standards

ISO 14001:2004 / KS A 14001:2004

Scope of supply

**PRODUCTION OF STAINLESS STEEL WELDED TUBES
AND PIPES**

Original Approval Date: **19 August 2005**

Subject to the continued satisfactory operation of the organization's Management System,
this certificate is valid until: **18 August 2008**

To check this certificate validity please call (+862 670 4800)

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization

Date: **09 February 2007**

Certificate Number: **206767**



Bureau Veritas Certification
Using the accreditation
certificate number 008

008

ISSUING OFFICE: Bureau Veritas Certification (Holding) Ltd.
S.A., 2nd Floor, Tower Bridge Court, 23-25 Tower Bridge Road,
London SE1 1TY
MANAGING OFFICE: Bureau Veritas Certification Korea Ltd.
Rm 1101, Kinsung Tower, 679-25, Yeoksam-Dong, Gangnam-Gu,
Seoul, Korea





APPROVAL CERTIFICATE FOR MANUFACTURING PROCESS

제 조 법 승 인 증 서

Certificate No. : KYG80038-ST001 **Date of Approval** : 27th August, 1997.
Product : Steel Tubes and Pipes
Manufacturer : Sungwon Pipe Co., Ltd.
740, Chonam-ri, Kwangyang-eub, Kwangyang-city, Cheonnam, Korea

Product Description : Stainless Steel Pipes
- Grade : RSUS304TP, RSUS304LTP,
RSUS316TP, RSUS316LTP.
- Max. Outer Diameter : 1066.8 mm
- Max. Wall Thickness : 22.0 mm

Approval Condition : Product Certification is required.

THIS IS TO CERTIFY that the manufacturing process for the above mentioned product has been approved in accordance with the relevant requirement of this Society's Rules and / or of the recognized standards as follows and entered in the "List of Approved Manufacturer and Type Approved Equipment".

Pt. 2, Ch. 1, Sec. 4, Art. 403 of the Rules for Classification, Steel Ships.

This Certificate is valid until 26th August, 2012.
Issued at Daejeon, Korea on 28th September, 2007.



한국선급
KOREAN REGISTER OF SHIPPING

Park Moon-kyu

Park Moon-kyu

General Manager of
Materials and Equipment Team

Note : 1 The approval will be automatically suspended and the Certificate become invalid from the expiry date of the Certificate in the event that the extension has not been granted or is not under attendance for completion of the renewal survey.
2 The manufacturer should notify this Society of any modification or changes that may affect the validity of this Certificate.



Certificate No : MD00/2221/0006/4

SUNGWON PIPE Co., Ltd.
Kwang Yang Works
740 Chonam-ri
Kwangyang-eub
Kwangyang-shi, Jeonnam-do
Korea

has been approved as a manufacturer in accordance with the requirements of
Lloyd's Register for :-

Welded pipes and tubes in austenitic stainless steel
(maximum 1070 mm diameter, 13 mm wall thickness)
Including eddy current testing in lieu of hydraulic testing.

This approval is subject to compliance with the Rules for the Manufacture, Testing
and Certification of Materials.

Lloyd's Register is to be notified of any change that may affect the validity of this
Certificate.

This Certificate is issued to the above manufacturer and is valid until the date
given below.

Valid Until : 10 January 2010
Date of Issue : 29 January 2007

J R Coupland
Lead Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

**Lloyd's
Register**

MARINE DIVISION
17 Bis Place des Reflets - La Défense 2
92400 Courbevoie - France
Tel. 33 1 42 91 53 48
Fax 33 1 42 91 28 94



Certificate N°:
07800/B0 BV
The attached Schedule forms part of the certificate
File Number : MAT 6485/01
Product Code : 2003I

APPROVAL CERTIFICATE FOR MATERIALS

This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards

WELDED PIPES AND FITTINGS

Longitudinally welded pipes made of stainless steel grade STS304, STS304L, STS316 and STS316L

MANUFACTURED BY:

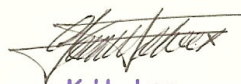
SUNG WON PIPE CO., LTD.
Kwangyang - KOREA (REPUBLIC OF)

SPECIFIED REGULATIONS & STANDARDS :
Bureau Veritas Rules for the Classification of Steel Ships

The Approval is valid until : 11/02/2008

BUREAU VERITAS PUSAN

At Paris la Défense, on : 11/02/2003


K.H. Lee
BVN Lead Surveyor


J.BENOIT
For the Secretary



This Certificate remains valid until the date stated on, hereunder, unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory into service.
This Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested.
This Certificate is not valid without the stamp of the above mentioned by BUREAU VERITAS Inspection Center.
The manufacturer should notify BUREAU VERITAS of any modification or changes to the equipment in order to obtain a valid Certificate.
The latest published Regulations or Standards referred to, above, and the Marine Division General Conditions are applicable.



DET NORSKE VERITAS

APPROVAL OF MANUFACTURER

CERTIFICATE

CERTIFICATE NO. AMM-3146

This is to certify that

Sungwon Pipe Co., Ltd.
JEONNAM 545-800, Republic of Korea

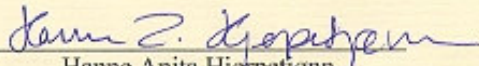
is an approved manufacturer of
Steel Tubes and Pipes

in accordance with
Det Norske Veritas' Rules for Classification Pt. 2

and the following particulars:

Steel type	Austenitic Stainless
Process	Welded
Dimensions	Outer diameter maximum 1066.8 mm Wall thickness maximum 22.0 mm
Remarks	Including low temperature service

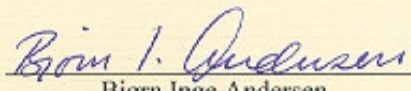
Place and date
Høvik, 2007-05-14
for DET NORSKE VERITAS AS


Hanne Anita Hjørpetjønn
Head of Section



Local Office
DNV Changwon Station

This Certificate is valid until
2011-06-30


Bjørn Inge Andersen
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.

Approval of Material Manufacturers
Zulassung von Werkstoffherstellern



Germanischer Lloyd

This is to certify that the works of
Hiermit wird bescheinigt, dass die Firma

**SUNGWON PIPE CO., LTD.
KWANGYANG-SHI, JEONNAM
KOREA, REP. OF**

has been subjected to an approval test in accordance with the Society's Rules with satisfactory results and
is approved for the manufacture of the following products:

*einer Zulassungsprüfung nach den Vorschriften des Germanischen Lloyd unterzogen wurde und für die Herstellung folgender
Erzeugnisse zugelassen ist:*

**Longitudinally welded austenitic stainless steel pipes
in accordance with GL Rules for Metallic Materials,
Chapter 2, Section 2, D. and E.**

This approval is granted provided that all products intended to be used for the construction of ships or installations
classed with Germanischer Lloyd comply in every respect with the Society's Rules and Requirements.

*Die Zulassung erfolgt unter der Voraussetzung, dass alle Erzeugnisse, die zum Bau von Schiffen und Anlagen mit Klasse des
Germanischen Lloyd bestimmt sind, die Vorschriften des Germanischen Lloyd in jeder Hinsicht erfüllen.*

Certificate of approval No.
Zulassungsbescheinigung Nr.

WZ 1062 HH 2

This Certificate is valid until:
Diese Bescheinigung ist gültig bis:

2009-09-30

Part of the approval is our letter of approval ref. no. 136492-06 of 2007-01-04.

Bestandteil der Zulassung ist das Zulassungsansreiben, Tgb.-Nr. 136492-06 vom 2007-01-04.

Hamburg, 2007-01-05

Germanischer Lloyd

Michael Kühnel

Sven Koller



R I N A

APPROVAL CERTIFICATE

No. 05/PU/AL/0360

This is to certify that

SUNGWON PIPE CO., LTD.

**740, Chonam-ri, Kwangyang-eup, Kwangyang city,
Jeonranamdo, Korea**

is approved for the manufacture of

STAINLESS STEEL TUBES AND PIPES

under the following conditions:

1. **Manufacturing process** : automatic TIG and Plasma welding process.
2. **Steel grades** : austenitic-ferritic stainless steel 304, 304L, 316, 316L.
3. **Manufacturing range** : maximum 610 mm outside diameter
maximum 12.0 wall thickness.
4. **Heat treatment** : solution heat annealing.
5. **Application** : design temperature -196°C to 350°C.

All stainless steel tubes and pipes to be used for the construction of ship and machinery classed with RINA shall meet the requirements of the RINA Rules and shall be tested accordingly.

This certificate is valid for 5 years and expires in **February 2010**.

Issued at **Pusan**

on **16 February 2005**



RINA S.p.A.
Gueto

RINA carries out its duties through officers or other persons it considers possess all the requirements of suitability and competence for the tasks which have been assigned to them. In its capacity as expert RINA only expresses opinions and evaluations of compliance with its own rule requirements and does not, in any cases whatsoever, (even if its opinions are requested on matters not expressly covered by Rules) assume the liabilities pertaining to the designers, shipowners, builders, test inspectors, shipyards or any person or organization responsible by law or contractually for providing guarantees for all of whom the respective liabilities remain unchanged even in the case of consultative actions by RINA. For what concerns the tasks taken on and carried out directly, other than those delegated, dealt with in the following sentence, RINA is answerable in law terms. Within the context of the tasks under the responsibility of RINA as delegate of the Italian Merchant Marine Ministry, liability can only be recognized in the case of fraud or gross negligence by the officers or the persons engaged. In no case shall the liability, regardless of the amount of damage reported, exceed a value equal to 5 times the total of the fees received by RINA as consideration of the services rendered from which the damage reported derives.

No. : 02EW631ROL

Date : 15 October 2002

Approval for the Manufacturing Process of Stainless Steel Pipes

Dear Sirs,

We, Nippon Kaiji Kyokai, have approved the manufacturing process of Stainless Steel Pipes in accordance with the requirement in 1.2, Part K of the Rules under the following condition;

1. Manufacturer : SUNGWON PIPE CO., LTD.
2. Kind of Product : Stainless Steel Pipes
3. Grade : K304LTP, K316LTP
4. Supply Conditions
 - (1) System of Constituents : Ni-Cr (K304LTP)
Ni-Cr-Mo (K316LTP)
 - (2) Dimension : See the Table below.
 - (3) Heat Treatment : Solution Heat Treatment
 - (4) Welding Method : Tig and Plasma Welding
5. Others : Stainless steel strips are to be manufactured by Daewoo
Kyung Corporation.

Dimension (mm)	
Outer Diameter	Max. Thickness
355.6 ~ 762.0	8.0
17.3 ~ 323.9	9.52

On this effects, the products for the ships classed with the Society will be tested / inspected complying with the Rules.

Yours faithfully,
NIPPON KAIJI KYOKAI

M. H. H. H.

(H. Kitada)

General Manager of
Material and Equipment Department





日本工業規格表示認証書

認証番号

CRKR07001

成元パイプ株式会社 殿

工業標準化法第23条第1項の規定により日本
工業規格の表示について下記のように認証する。

(認証)平成 19年 10月 29日

(外国登録認証機関 登録番号000701)

財団法人 韓国化学試験研究院 理事長 朴 鍾 仁

記

認証取得者の氏名又は名称及び住所

成元パイプ株式会社
大韓民国 全羅南道 光陽市 光陽邑 草南里
740番地

認証に係る日本工業規格の番号
及び日本工業規格に規定されている場
合は種類又は等級

JIS G 3448

鉦工業品又は加工技術の名称

一般配管用ステンレス鋼管

認証の区分

認証の区分：鋼管
認証の範囲：ステンレス鋼管，
JIS G 3448, SUS304TPD, SUS316TPD,
アーク溶接鋼管，80～150Su

認証に係るすべての工場又は
事業場の名称及び所在地

成元パイプ株式会社 光陽工場
大韓民国 全羅南道 光陽市 光陽邑 草南里
740番地

認証有効期間

2010年 10月 28日



한국산업규격 표시인증서

인 증 번 호 : 제 3016 호

제 조 업 체 명 : 성원파이프(주)

대 표 자 성 명 : 김충근

공장(사업장)소재지 : 전라남도 광양시 광양읍 초남리 740

규 격 표 시 품 :

- 규 격 명 : 배관용 스테인리스 강관

- 규 격 번 호 : KS D 3576

- 종류 · 등급 또는 호칭

STS304TP, STS316TP 바깥지름:17.3~318.5mm

STS304LTP, STS316LTP 바깥지름:17.3~318.5mm. 끝.

산업표준화법 제18조의 규정에 의한 인증심사를 실시한 결과 한국산업규격과
인증심사기준에 적합하므로 산업표준화법 제11조(제12조 · 제13조)의 규정에 의하여
위와 같이 한국산업규격표시를 인증합니다.

2007 년 03 월 20 일

한국표준협회장



1. 최초인증일 1983.03.10

2. 최종변경일 2007.03.20 (대표자 - 단순변경)



한국산업규격 표시인증서

인 증 번 호 : 제 3017 호

제 조 업 체 명 : 성원파이프(주)

대 표 자 성 명 : 김충근

공장(사업장)소재지 : 전라남도 광양시 광양읍 초남리 740

규 격 표 시 품 :

- 규 격 명 : 보일러, 열 교환기용 스테인리스 강관

- 규 격 번 호 : KS D 3577

- 종류 · 등급 또는 호칭

STS304TB:19.0-63.5mm, STS316TB:19.0-63.5mm, 끝.

산업표준화법 제18조의 규정에 의한 인증심사를 실시한 결과 한국산업규격과
인증심사기준에 적합하므로 산업표준화법 제11조(제12조 · 제13조)의 규정에 의하여
위와 같이 한국산업규격표시를 인증합니다.

2007 년 03 월 20 일

한국표준협회장



1. 최초인증일 1983.03.10

2. 최종변경일 2007.03.20 (대표자 - 단순변경)



한국산업규격 표시인증서

인 증 번 호 : 제 4140 호

제 조 업 체 명 : 성원파이프(주)

대 표 자 성 명 : 김충근

공장(사업장)소재지 : 전라남도 광양시 광양읍 초남리 740

규 격 표 시 품 :

- 규 격 명 : 일반 배관용 스테인리스 감관

- 규 격 번 호 : KS D 3595

- 종류 · 등급 또는 호칭

STS304TPD, 300Su이하. 끝.

산업표준화법 제18조의 규정에 의한 인증심사를 실시한 결과 한국산업규격과 인증심사기준에 적합하므로 산업표준화법 제11조(제12조 · 제13조)의 규정에 의하여 위와 같이 한국산업규격표시를 인증합니다.

2007 년 03 월 20 일

한국표준협회장



1. 최초인증일 1985.08.29

2. 최종변경일 2007.03.20 (대표자 - 단순변경)



한국산업규격 표시인증서

인 증 번 호 : 제 9689 호

제 조 업 체 명 : 성원파이프(주)

대 표 자 성 명 : 김충근

공장(사업장)소재지 : 전라남도 광양시 광양읍 초남리 740

규 격 표 시 품 :

- 규 격 명 : 배관용 용접 대구경 스테인리스 감관

- 규 격 번 호 : KS D 3588

- 종류 · 등급 또는 호칭

STS304TPY:150A~250A

STS304TPY:300A~800A

STS304LTPY, STS316LTPY:350A~900A, 끝.

산업표준화법 제18조의 규정에 의한 인증심사를 실시한 결과 한국산업규격과 인증심사기준에 적합하므로 산업표준화법 제11조(제12조 · 제13조)의 규정에 의하여 위와 같이 한국산업규격표시를 인증합니다.

2007 년 03 월 20 일

한국표준협회장



1. 최초인증일 1993.01.14

2. 최종변경일 2007.03.20 (대표자 - 단순변경)