



Precision Tube & Pipe (Air Cylinder, Automobile, Semiconductor, Electronic, Medical, Precise Shaft & Roller)

Instrument Tube

Power Plant (Atomic, Geothermal, Hydroelectric, Thermal, Chemical etc.)

Aerospace Industries, Defense Industries, Shipbuilding Industries

Heat Exchanger & Boiler (Oil & Gas, Refinery etc.), Condenser

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General Information

Head Office & Factory 1	Production for Precision Tubes
Factory 2	Production for Small Diameter Precision Tubes (Medical, Electronic etc..)
Factory 3	Production for Tubes of Plant Sector (Heat Exchanger, Boiler etc.)
Establishment	January 1 st 1990.
Assets	US\$ 6,500,000.00
Capital	US\$ 1,690,000.00
Clients	Delphi Powertrain Systems Korea Ltd.
	Daewoo Shipbuilding & Marine Engineering Co., Ltd.
	Hanwha
	Seah Changwon Integrated Special Steel
	Hy-Lok Corporation
	Vallourec Group (USA)
	Doosan Heavy Industries & Construction
	Korea Hydro & Nuclear Power Co., Ltd.
	Hyundai Engineering & Construction
	Hanil Precision Co., Ltd.
	Korea Southern Power Co., Ltd.
	Hansol Chemical Co., Ltd
	Korea Distirct Heating Corporation
KCC Corporation	
Raw material Purchase from	Korea, Japan , Europe, Etc.
URL	www.pungsung.com www.ststube.com
E-Mail	pungsung@pungsung.com

Company Introduce

■ Company History

- Aug. 2018 Assembled Pilger Mill (Cold-rolling process) 50vmm
- Dec. 2017 Constructed Production Line for Small Diameter Precision Tube (Medical, Electronic, Etc.)
- May 2017 Registered as a vendor of KHNP
- Oct. 2016 Acquired Main biz certificated
- Jan. 2015 Registered as a vendor of DOOSAN Heavy Industries & Instruction
- Jan. 2015 Registered as a vendor of Daewoo Engineering & Construction
- Jan. 2014. Registered as a vendor of S-Oil Corporation
- Feb. Registered as a vendor of the Besat Power Plant (Iran)
- May 2013. Registered as a member of the Korea Nuclear Equipment Advancement Association
- Oct. Registered as a vendor of DSME(Daewoo Shipbuilding & Marine Engineering)
Registered as a vendor of Hyundai Engineering & Construction
Registered as a vendor of Samsung C&T Corporation
- Nov. Registered as a vendor of Korea South-East Power Corp.
- Jun. 2012. Registered as a vendor of Vallourec Heat Exchanger Tubes, Inc. (U.S.A.)
- 2012. Registered as a vendor of Korea Delphi Automotive Systems Corporation
- Apr. 2011. Acquired KEPIC qualification (Certification for Nuclear Plant Material Quality System)
- Nov. Special forces as a company
- Jan. 2010. Signed Cooperation, Gyeongsang National University
- Sep. 2009. Permitted to establish an R&D division
- Oct. Acquired ISO 14001 certificated
- Jun. 2008. Parts and materials company specializing in authentication INNO-BIZ enterprise
Certification Specified export promising small and medium enterprises
- Aug. University-INJE concluded industry-academia cooperation
- Aug. 2007. Acquired Venture Company
- Feb. 2006. Acquired ISO 9001 Certificate
- May. Acquired Patent for Equipment in Drawing Dies(2-kinds)
Applied for and registered tow utility models for tube drawing molds
- Mar. 2002. Development & production of Specialty irregular Tube
- Jan. 2001. Development for Semi-Conductor & Precision Cylinder Tube
Selection of Model Company for technology from Government.
- Jul. 2000. Development for many specifications, multi-shape's production technology
- Jan. 1990. Established

■ Awards

- Jul. 2011. Management Award (Gyeong-nam Techno Park Director)
- Mar. 2006. Good businessmen Award (Ministry of Knowledge Economy)
- May. Good small business award (Minister of Knowledge Economy)
- Jun. Academic Excellence Award
(performing enterprises- Kyung nam Province Small and Medium Business Administration)

Production Scope (Tube / Pipe)

unit : mm

W.T O.D	0.10	0.30	0.70	1.24	1.65	2.00	2.50	2.77	3.00	3.50	4.00	5.00	6.35	9.53	10.97	15.88	18.26	25.40				
1.00	—																					
3.00	—																					
6.00	—																					
6.35	—																					
9.53	—																					
12.70	—																					
15.88	—																					
18.00	—																					
19.05	—																					
21.34	—																					
25.40	—																					
33.40	—																					
38.10	—																					
50.80	—																					
60.33	—																					
73.03	—																					
88.90	—																					
141.30	—																					
219.08	—																					

O.D Ø1.00 ~ Ø219.08

All size fine Tube and Pipe

Non-standard size can be produced

Instrument Tube / Precision Tube

ASTM A269, A213 / ASME SA269, SA213

Kind of Steel Grade

- STAINLESS STEEL** - Austenitic : 304/304L, 304H, 316/316L, 316Ti, 310S, 321/321H, 317L, 347/347H
- Martensitic : 410S, 420 J2, 440B, 439, 430
- Duplex : S31803, S32205, S32750

- Special steel - Corrosion-resistant alloys** : 904L, ALLOY 200, ALLOY 201, ALLOY 400, ALLOY K-500,
ALLOY C-276, ALLOY 20, ALLOY C-4, ALLOY 22, TITANIUM GR.2
- **Heat-resistant alloys** : ALLOY 600, ALLOY 601, ALLOY 310S
- **High-temperature, High-strength alloys** : ALLOY 600H, ALLOY 601H, ALLOY 800H, ALLOY 800HT
(High-nickel alloy)

Aluminums - AL60, AL70

Specifications : ASTM, ASME, AISI, DIN, JIS, KS

Products range

Outer Diameter 1.0mm ~ 219.08mm, Wall Thickness 0.05mm ~ 20.00mm



Cylinder Pipe, Tube & Bar

ASTM A270, A908 / ASME SA270, SA908

ALL SIZE STAINLESS PRECISION FINE TUBES & PIPES

ISO Tolerance Table

Legend

Production tolerance

Tolerance to be discussed

μm (1/1,000mm)

Range ϕ ,mm	Precision Round Section(Load)					Precision Tube/Pipe(Cylinder)				
	h8	h9	h11	f7	f8	H7	H8	H9	H10	H11
1.6~2.9	+0	+0	+0	-6	-6	+9	+14	+25	+40	+60
	-14	-25	-60	-16	-20	+0	+0	+0	+0	+0
3.0~5.9	+0	+0	+0	-10	-10	+12	+18	+30	+48	+75
	-18	-30	-75	-22	-28	+0	+0	+0	+0	+0
6.0~9.9	+0	+0	+0	-13	-13	+15	+22	+36	+58	+90
	-22	-36	-90	-28	-35	+0	+0	+0	+0	+0
10~17	+0	+0	+0	-16	-16	+18	+27	+43	+70	+110
	-27	-43	-110	-34	-43	+0	+0	+0	+0	+0
18~29	+0	+0	+0	-20	-20	+21	+33	+52	+84	+130
	-33	-52	-130	-41	-53	+0	+0	+0	+0	+0
30~49	+0	+0	+0	-25	-25	+25	+39	+62	+100	+160
	-39	-62	-160	-50	-64	+0	+0	+0	+0	+0
50~79	+0	+0	+0	-30	-30	+30	+46	+74	+120	+190
	-46	-74	-190	-60	-76	+0	+0	+0	+0	+0
80~119	+0	+0	+0	-36	-36	+35	+54	+87	+140	+220
	-54	-87	-220	-71	-90	+0	+0	+0	+0	+0
120~179	+0	+0	+0	-43	-43	+40	+63	+100	+160	+250
	-63	-100	-250	-83	-106	+0	+0	+0	+0	+0
180~249	+0	+0	+0	-50	-50	+46	+72	+115	+185	+290
	-72	-115	-290	-96	-122	+0	+0	+0	+0	+0
250~314	+0	+0	+0	-56	-56	+52	+81	+130	+210	+320
	-81	-130	-320	-108	-137	+0	+0	+0	+0	+0
315~399	+0	+0	+0	-6	-6	+57	+89	+140	+230	+360
	-89	-140	-360	-119	-151	+0	+0	+0	+0	+0
400~500	+0	+0	+0	-68	-68	+63	+97	+155	+250	+400
	-97	-155	-400	-131	-165	+0	+0	+0	+0	+0

- Precision Cylinder : Gas, Air, Oil

- Precision Parts : Electronic, Automobile, Precise Shaft & Roller

Tube Fitting Size Table

NO	OD	WT
1	6.00	1.00
2	6.00	1.20
3	6.00	1.50
4	8.00	1.00
5	8.00	1.20
6	8.00	1.50
7	8.00	2.00
8	10.00	1.00
9	10.00	1.20
10	10.00	1.50
11	10.00	2.00
12	12.00	1.00
13	12.00	1.20
14	12.00	1.50
15	12.00	2.00
16	14.00	1.00
17	14.00	2.00
18	15.00	1.00
19	15.00	1.20
20	15.00	1.50
21	15.00	2.00
22	15.00	2.50
23	16.00	1.24
24	16.00	1.50
25	16.00	2.00
26	16.00	2.50
27	18.00	1.00
28	18.00	1.20
29	18.00	1.50
30	18.00	2.00
31	20.00	1.00

NO	OD	WT
32	20.00	1.50
33	20.00	2.00
34	20.00	2.50
35	20.00	3.00
36	20.00	3.50
37	22.00	1.50
38	22.00	2.00
39	22.00	2.50
40	22.00	3.00
41	25.00	2.00
42	25.00	2.50
43	25.00	3.00
44	28.00	1.50
45	28.00	2.00
46	28.00	2.50
47	28.00	3.00
48	28.00	3.50
49	30.00	2.00
50	30.00	2.50
51	30.00	3.00
52	30.00	4.00
53	35.00	2.00
54	35.00	2.50
55	35.00	3.00
56	35.00	4.00
57	38.00	2.50
58	38.00	3.00
59	38.00	4.00
60	38.00	5.00
61	42.00	2.00
62	42.00	3.00

NO	OD	WT
1	3.18	0.71
2	6.35	0.71
3	6.35	0.89
4	6.35	0.99
5	6.35	1.24
6	6.35	1.65
7	7.94	0.89
8	9.53	0.89
9	9.53	0.99
10	9.53	1.24
11	9.53	1.65
12	12.70	0.89
13	12.70	0.99
14	12.70	1.24
15	12.70	1.65
16	12.70	2.11
17	12.70	2.77
18	15.88	1.24
19	15.88	1.65
20	15.88	2.11
21	19.05	0.89
22	19.05	0.99
23	19.05	1.24
24	19.05	1.65
25	19.05	2.11
26	19.05	2.41
27	19.05	2.76
28	25.40	1.24
29	25.40	1.65
30	25.40	2.11
31	25.40	2.77
32	25.40	3.05

Stainless Steel Pipe

ASTM A312, A554 / ASME SA312, SA554

Kind of Steel Grade

STAINLESS STEEL - Austenitic : 304/304L, 304H, 316/316L, 316Ti, 310S, 321/321H, 317L, 347/347H
 - Martensitic : 410S, 420J2, 440B, 439
 - Duplex : S31803, S32205, S32750

Special steel

- **Corrosion-resistant alloys** : TITANIUM GR.2, ALLOY 200, ALLOY 201, ALLOY 400, ALLOY K-500, 904L, ALLOY C-276, ALLOY 20, ALLOY C-4, ALLOY 22
- **Heat-resistant alloys** : ALLOY 600, ALLOY 601, ALLOY 310S
- **High-temperature, High-strength alloys** : ALLOY 600H, ALLOY 601H, ALLOY 800H, ALLOY 800HT

Specifications : ASTM, ASME, AISI, DIN, JIS, KS

■ ASTM A312 Tolerance Table

Permitted Variations in Outside Diameter				
NPS Designator	Over		Under	
1/8 to 1½ include (10.29 ≤ O.D ≤ 48.26)	1/64" (0.015")	0.4	1/32" (0.031")	0.8
Over 1½ to 4 include (48.26 < O.D ≤ 114.3)	1/32" (0.031")	0.8	1/32" (0.031")	0.8
Over 4 to 8 include (114.3 < O.D ≤ 219.08)	1/16" (0.062")	1.6	1/32" (0.031")	0.8
Over 8 to 18 include (219.08 < O.D ≤ 457.2)	3/32" (0.093")	2.4	1/32" (0.031")	0.8

Permitted Variations in Wall Thickness			
NPS Designator		Tolerance, % from Nominal	
		Over	Under
1/8" to 2½" include (10.29 ≤ O.D ≤ 73.03)	All t/d ratios	20.0%	12.5%
3" to 18" include (88.9 ≤ O.D ≤ 457.2)	t/d up to 5% include	22.5%	12.5%
	t/d > 5%	15.0%	12.5%
Permitted Variations in Length		1/4" (6.35mm) and under	

Heat Exchanger / Boiler Tube

ASTM A213, A556, A688, A803 / ASME SA213, SA556, SA688, SA803

Kind of Steel Grade

STAINLESS STEEL - Austenitic : 304/304L, 304H, 316/316L, 316Ti, 310S, 321/321H, 317L, 347/347H
- Martensitic : 410S
- Duplex : S31803, S32205, S32750

Special steel - Corrosion-resistant alloys : TITANIUM GR.2, ALLOY 200, ALLOY 201, ALLOY 400, ALLOY K-500, 904L, ALLOY C-276, ALLOY 20, ALLOY C-4, ALLOY 22

- **Heat-resistant alloys** : ALLOY 600, ALLOY 601, ALLOY 310S

- **High-temperature, High-strength alloys** : ALLOY 600H, ALLOY 601H, ALLOY 800H, ALLOY 800HT

Specifications : ASTM, ASME, AISI, DIN, JIS, KS

General Heat Exchanger Tube Products range

Outer Diameter : 50.80mm, 31.75mm, 25.40mm, 19.05mm, 15.88mm, 12.70mm, 9.53mm, 6.35mm

Wall Thickness : 3.05mm, 2.77mm, 2.41mm, 2.11mm, 1.65mm, 1.24mm, 0.89mm, 0.70mm, 0.50mm

Purpose

Heat Exchanger & Boiler, Condenser, Super Heater, Fin Tube,

Atomic Power Generation, Thermal Power Generation, Geothermal Power Generation,

Hydroelectric Power Generation, Heat Recovery Steam Generation, Gas Plant, Refinery Plant,

Desalination Plant, Combined Cycle Plant, Water Treatment Plant, Industrial Plant



Dimension Table of Seamless Pipe

ANSI / ASME B36.19M

	O.D	SCH 5(S)	SCH 10S	SCH 10	SCH 20	SCH 30	STD	SCH 40S	SCH 40	SCH 60	XS	SCH 80S	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160	XXS
1/8	10.29		1.24	1.24		1.45		1.73	1.73		2.41	2.41						
1/4	13.72		1.65	1.65		1.85		2.24	2.24		3.02	3.02						
3/8	17.15		1.65	1.65		1.85		2.31	2.31		3.2	3.2						
1/2	21.34	1.65	2.11	2.11		2.41	2.77	2.77	2.77		3.73	3.73	3.73				4.78	7.47
3/4	26.67	1.65	2.11	2.11		2.41	2.87	2.87	2.87		3.91	3.91	3.91				5.56	7.82
1	33.4	1.65	2.77	2.77		2.9	3.38	3.38	3.38		4.55	4.55	4.55				6.35	9.09
1-1/4	42.16	1.65	2.77	2.77		2.97	3.56	3.56	3.56		4.85	4.85	4.85				6.35	9.7
1-1/2	48.26	1.65	2.77	2.77		3.18	3.68	3.68	3.68		5.08	5.08	5.08				7.14	10.15
2	60.33	1.65	2.77	2.77		3.18	3.91	3.91	3.91		5.54	5.54	5.54				8.74	11.07
2-1/2	73.03	2.11	3.05	3.05		4.78	5.16	5.16	5.16		7.01	7.01	7.01				9.53	14.02
3	88.9	2.11	3.05	3.05		4.78	5.49	5.49	5.49		7.62	7.62	7.62				11.13	15.24
3-1/2	101.6	2.11	3.05	3.05		4.78	5.74	5.74	5.74		8.08	8.08	8.08				*	*
4	114.3	2.11	3.05	3.05	*	4.78	6.02	6.02	6.02	*	8.56	8.56	8.56	*	11.13	*	13.49	17.12
5	141.3	2.77	3.4	3.4	*	*	6.55	6.55	6.55	*	9.53	9.53	9.53	*	12.7	*	15.88	19.05
6	168.28	2.77	3.4	3.4	*	*	7.11	7.11	7.11	*	10.97	10.97	10.97	*	14.27	*	18.26	21.95
8	219.08	2.77	3.76	3.76	6.35	7.04	8.18	8.18	8.18	10.31	12.7	12.7	12.7	15.09	18.26	20.62	23.01	22.23
10	273.05	3.4	4.19	4.19	6.35	7.8	9.27	9.27	9.27	12.7	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
12	323.85	3.96	4.57	4.57	6.35	8.38	9.53	9.53	10.31	14.27	12.7	12.7	17.48	21.44	25.4	28.58	33.32	25.4
14	355.6	3.96	4.78	6.35	7.92	9.53	9.53	*	11.13	15.09	12.7	*	19.05	23.83	27.79	31.75	35.71	*
16	406.4	4.19	4.78	6.35	7.92	9.53	9.53	*	12.7	16.66	12.7	*	21.44	26.19	30.96	36.53	40.49	*
18	457.2	4.19	4.78	6.35	7.92	11.13	9.53	*	14.27	19.05	12.7	*	23.83	29.36	34.93	39.67	45.24	*
20	508	4.78	5.54	6.35	9.53	12.7	9.53	*	15.09	20.62	12.7	*	26.19	32.54	38.1	44.45	50.01	*
24	609.6			6.35	9.53	14.27	9.53		17.48	24.61	12.7		30.96	38.89	46.02	52.37	59.54	
26	660.4			7.92	12.7		9.53				12.7							
28	711.2			7.92	12.7	15.88	9.53				12.7							
30	762			7.92	12.7	15.88	9.53				12.7							
32	812.8			7.92	12.7	15.88	9.53		17.48		12.7							
34	863.6			7.92	12.7	15.88	9.53		17.48		12.7							
36	914.4			7.92	12.7	15.88	9.53		19.05		12.7							
38	965.2						9.53				12.7							
40	1016						9.53				12.7							

Dimension Table of Seamless Pipe

JIS

OD		WALL THICKNESS						
A	mm	SCH 5S	SCH 10S	SCH 20	SCH 40	SCH 80	SCH 120	SCH 160
6	10.50	1.00	1.20	1.50	1.70	2.40		
8	13.80	1.20	1.65	2.00	2.20	3.00		
10	17.30	1.20	1.65	2.00	2.30	3.20		
15	21.70	1.65	2.10	2.50	2.80	3.70		4.70
20	27.20	1.65	2.10	2.50	2.90	3.90		5.50
25	34.00	1.65	2.80	3.00	3.40	4.50		6.40
32	42.70	1.65	2.80	3.00	3.60	4.90		6.40
40	48.60	1.65	2.80	3.00	3.70	5.10		7.10
50	60.50	1.65	2.80	3.50	3.90	5.50		8.70
65	76.30	2.10	3.00	3.50	5.20	7.00		9.50
80	89.10	2.10	3.00	4.00	5.50	7.60		11.10
90	101.60	2.10	3.00	4.00	5.70	8.10		12.70
100	114.30	2.10	3.00	4.00	6.00	8.60	11.10	13.50
125	139.80	2.80	3.40	5.00	6.60	9.50	12.70	15.90
150	165.20	2.80	3.40	5.00	7.10	11.00	14.30	18.20
200	216.30	2.80	4.00	6.50	8.20	12.70	18.20	23.00
250	267.40	3.40	4.00	6.50	9.30	15.10	21.40	28.60
300	318.50	4.00	4.50	6.50	10.30	17.40	25.40	33.30
350	355.60	4.00	5.00	8.00	11.10	19.00	27.80	35.70
400	406.40	4.50	5.00	8.00	12.70	21.40	30.90	40.50
450	457.20	4.50	5.00	8.00	14.30	23.80	34.90	45.20
500	508.00	5.00	5.50	9.50	15.10			
550	558.80	5.00	5.50	9.50	15.90			
600	609.60	5.50	6.50	9.50	17.50			
650	660.40	5.50	8.00	12.70	17.50			
700	711.20	5.50	8.00	12.70	17.50			
750	762.00	6.50	8.00	12.70	17.50			
800	812.80		8.00	12.70	17.50			
850	863.60		8.00	12.70	17.50			
900	914.40		8.00	12.70	19.10			
1000	1,016.00		9.50	14.30	26.20			

Non-standard size can be produced

Coil Tube

■ Grade

AISI : 304/304L, 316/316L, 321, 347, 347H

UNS : N04400, N08825, N02200, N06600, N08800,

S31803, S32304, S32750

■ Specifications

- ASTM : A213, A269, B163, B790, B167, B668, B789
- ASME : SA213, SB163, SB167, SB668, SB789, SB790
- NACE : MR 0175
- DIN : 17458TC1



Size (inch)			Single coil Length (ft)	Orbital welded Length (ft)
1/4	x	0.035	Max. 100kg	16300
1/4	x	0.049		12400
1/4	x	0.065		10200
3/8	x	0.035		7800
3/8	x	0.049		7600
3/8	x	0.065		6100
3/8	x	0.083		
1/2	x	0.035		4500
1/2	x	0.049		4500
1/2	x	0.065		4300
1/2	x	0.083		2500
5/8	x	0.035		
5/8	x	0.049		
5/8	x	0.065		
5/8	x	0.083		

Size (mm)			Single coil Length (M)	Orbital welded Length (M)
6.0	x	1.0	Max. 100kg	4800
6.0	x	1.2		4100
6.0	x	1.5		3500
8.0	x	1.0		3400
8.0	x	1.2		2950
8.0	x	1.5		2450
10.0	x	1.0		2250
10.0	x	1.2		2250
10.0	x	1.5		1850
12.0	x	0.8		750
12.0	x	1.0		750
12.0	x	1.5		750
15.0	x	0.9		
18.0	x	1.0		
20.0	x	1.0		

Tube / Pipe



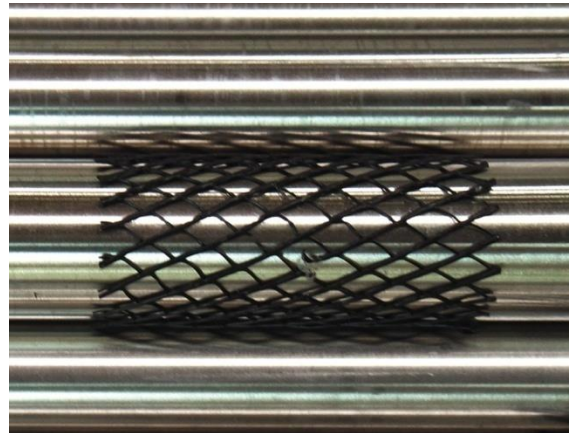
Heat Exchanger Tube



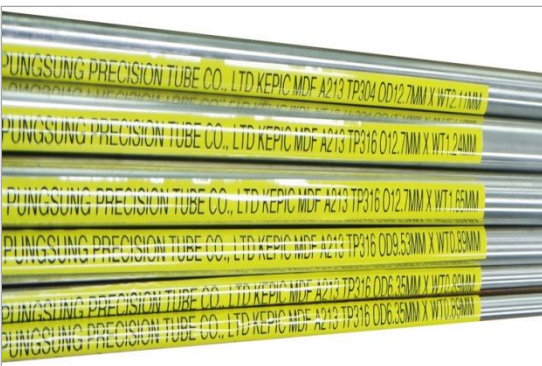
Stainless Steel Seamless Tube



U-bend tube for Heat Exchanger



Air Cylinder Tube



Instrument Tube for Nuclear Power Plant

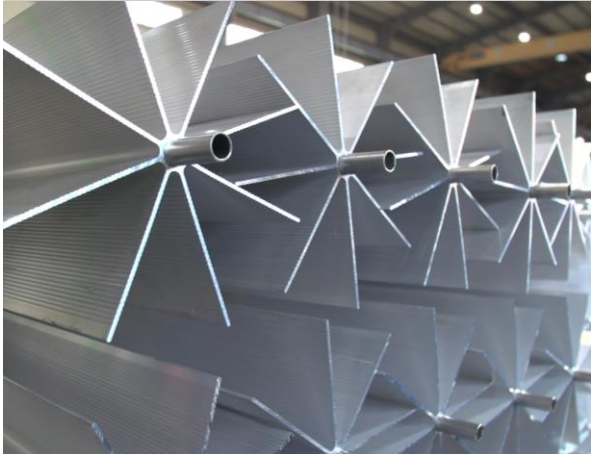


All Material Seamless Tubes

Special Tube / Pipe



A213/A269 Tubes



Vaporizer



Parts of an Automobile for High Speed Motor



High-Nickel Alloy



Tube for Nuclear Power Plant
(Cobalt Max. 0.1) OD 40 x ID 12.7



Pipe for Food & Beverage Industries

Special Tube / Pipe



Irregular Stainless Steel Tube



Tube for high-temperature Battery



Folding Tube



Bending Tube



Special Bar and Tubes

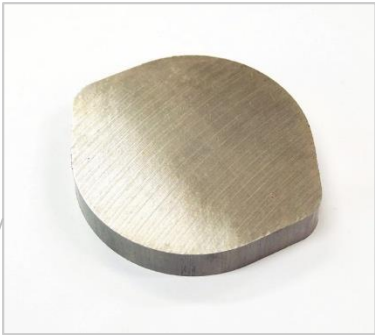
Special Tube / Pipe



Multiple-Layered Tube



Copper Alloy Tube



Irregular Shaped Bar

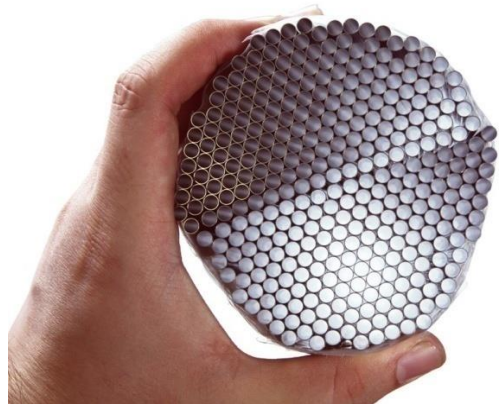
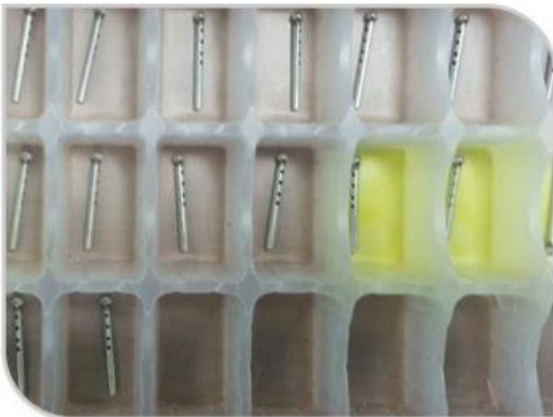
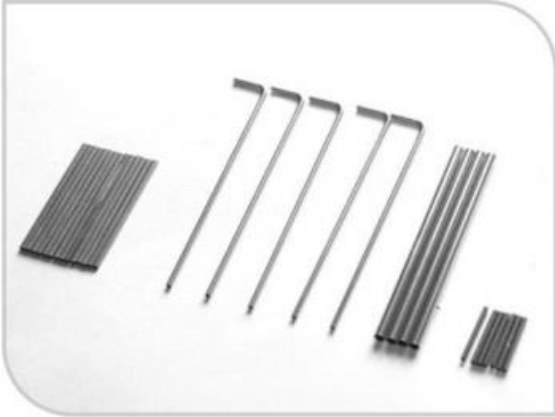


Flange



Flange

Small Diameter Precision Tube



Pungsung's Customer

DELPHI

 **HYUNDAI**
ENGINEERING & CONSTRUCTION

DSME

HYUNDAI
MOTOR GROUP

 Hanwha

 **HYOSUNG**

S&AH

 **S-OIL**

Hy-Lok

 **GS E&C**

 **vallourec**

 **KHNP**
KOREA HYDRO & NUCLEAR POWER CO., LTD.

DOOSAN

 **KOSPO**
KOREA SOUTHERN POWER CO., LTD.

DAELIM

 **한국지역난방공사**
KOREA DISTRICT HEATING CORP.

Process



PMI (Positive Material Identification)



Oil/Oxalate Dipping



Pointing/Swaging



Cold Drawing



Oil Removal



Heat Treatment



Straightening



ECT & Marking



Hydraulic Test



Cutting

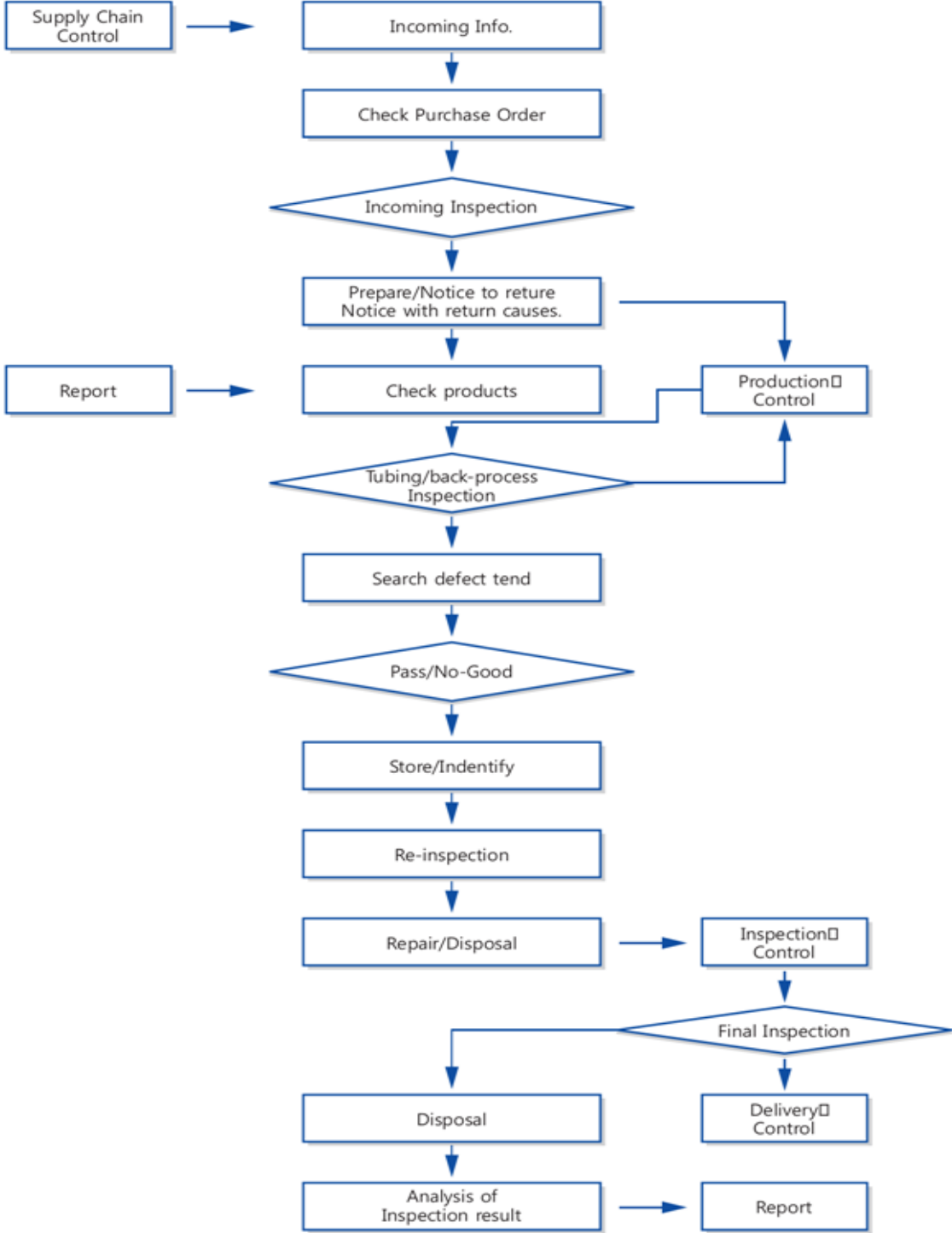


Final Inspection



Packing

Process



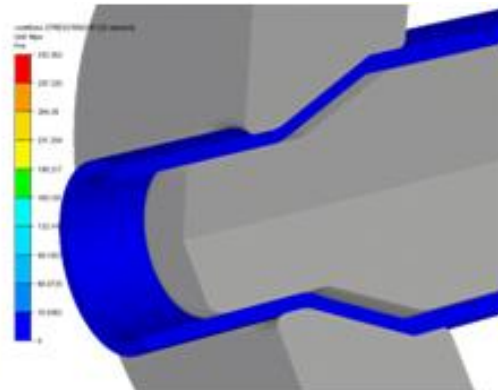
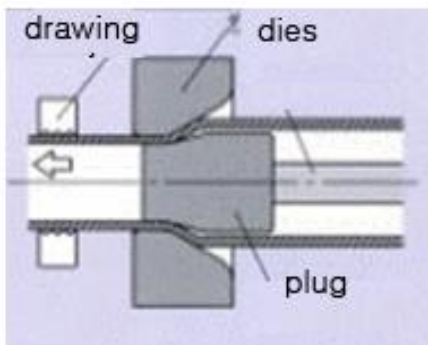
Mold Room



Plug



Dies



Drawing methods of Tube divided into three kinds of type such as skin pass, plug, mandrel drawing, etc.

That's because there is no plug in the inside of the tube on skin pass drawing.

Reducing rate of wall thickness is too small and so less is not uniform inside.

When using the plug of the tube in drawing, inside & outsider diameter are well controlled; Inner plug is determined shape and roughness of the inside of tube. When you use a long mandrel drawn, friction can be reduced significantly.

Appliance 1

No.	Management No.	S/N	M/C name	Scope	Manufacturer	Location
1	PS-ESQ-001	KDMT-120	Universal Testing	100TON	Korea	Laboratory
2	PS-ESQ-002		Universal Testing	30TON	Korea	Laboratory
3	PS-ESQ-003	HR-150A	Rockwell hardness tester	HRB	SCTMC	Laboratory
4	PS-ESQ-004	MVK-E	Vickers hardness	Hv	Mitutoyo	Laboratory
5	PS-ESQ-005	Mahr Perthometer M1	Surface roughness tester	Ra, Rz, Rmax,	Mitutoyo	Laboratory
6	PS-ESQ-006	Positive Material Identification Bruker Model S1 SORTER	Portable analysis appliance (PMI)	Fe xomponent	Bruker	Laboratory
7	PS-ESQ-007	MC85535	Microstructure tester	Micro structure	Union / Japan	Factory 1
8	PS-ESQ-008	FSQ Foundry Spintronic	Spectroscope analysis		BAIRD	Laboratory
9	PS-PRO-001		Cold drawn	Ø220 ~ Ø60	Korea	Factory 1
10	PS-PRO-002		Cold drawn	Ø60 ~ Ø30	Korea	Factory 1
11	PS-PRO-003		Cold drawn	Ø30 ~ Ø10	Korea	Factory 1
12	PS-PRO-004		Cold drawn	Ø30 ~ Ø5	Korea	Factory 1
13	PS-PRO-005		Cold drawn	Ø30 ~ Ø5	Korea	Factory 1
14	PS-PRO-006		Cold drawn	Ø10 ~ Ø1	Korea	Factory 1
15	PS-PRO-007		Pilger Mill Machine	100hp	China	Factory 3
16	PS-PRO-008	HHC-150	Pointing	30hp	Korea	Factory 1
17	PS-PRO-009	MJ-1111	Pointing		Korea	Factory 1
18	PS-PRO-010		Pointing	5hp	Korea	Factory 1
19	PS-PRO-011	EDDYCHEK 5	ECT	NDT test	Korea	Factory 1
20	PS-PRO-012		Heat treatment Line	300 TON	Korea	Factory 1
21	PS-PRO-013	WBS 250A	Cutting	Tube cutting	Korea	Factory 1
22	PS-PRO-014	KTB-270B	Cutting	Tube cutting	Korea	Factory 1
23	PS-PRO-015	RF-712DR	Cutting	Tube cutting	Korea	Factory 1
24	PS-PRO-016		Washing Line	(W700mm x L14m) x 2EA	Korea	Factory 1

Appliance 2

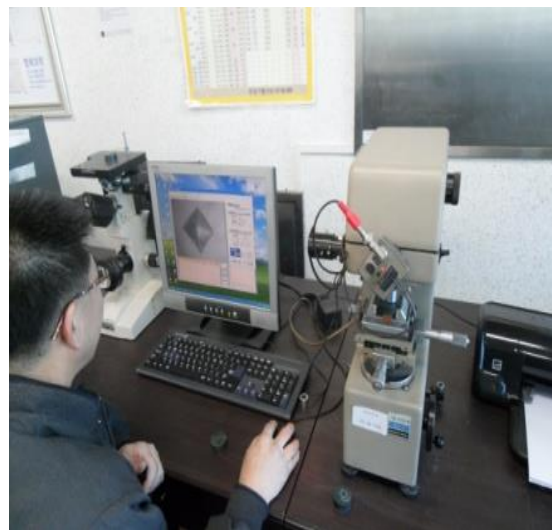
No.	Management No.	S/N	M/C name	Scope	Manufacturer	Location
25	PS-PRO-017		Straightening	Over Ø100	Korea	Factory 1
26	PS-PRO-018		Straightening	Ø100 ~ Ø60	Korea	Factory 1
27	PS-PRO-021		Straightening	Ø60 ~ Ø30	Korea	Factory 1
28	PS-PRO-022		Straightening	Ø30 ~ Ø10	Korea	Factory 1
29	PS-PRO-023		Straightening	Ø10 ~ Ø1	Korea	Factory 1
30	PS-PRO-019		Surface polishing	Surface polishing	Pungsung	Factory 1
31	PS-PRO-020	BK-50	Bench press	Tube end Fabrication	Korea	Factory 1
32	PS-EQP-011	-	Hydrostatic test	NDT test	Korea	Laboratory
33	PS-EQP-013	P2-203D	Polisher & Grinder	Specimen Fabrication	Korea	Laboratory
34	PS-EQP-014	DESK-254	Specimen cutting	Specimen Fabrication	Korea	Laboratory
35	PS-EQP-015	HM-35	Mounting press	Specimen Fabrication	Korea	Laboratory

No.	Management No.	S/N	M/C name	Scope	Manufacturer	Location
1	PS-PRO-024		Roll Forming Machine	1"	Korea	Factory 2
2	PS-PRO-025		Roll Forming Machine	1/2"	Korea	Factory 2
3	PS-PRO-026		Roll Forming Machine	3/4"	Korea	Factory 2
4	PS-PRO-027		Roll Forming Machine	3/4"	Korea	Factory 2
5	PS-PRO-028		Roll Forming Machine	1/2"	Korea	Factory 2
6	PS-PRO-029		Straightening		Korea	Factory 2
7	PS-PRO-030		Straightening		Korea	Factory 2
8	PS-PRO-031		Straightening		Korea	Factory 2
9	PS-PRO-032		Heat Treatment Line		Korea	Factory 2
10	PS-PRO-033		High Pressure Air Compressor	10hp	Korea	Factory 2
11	PS-PRO-034		Screw Compressor		Korea	Factory 2

Test & Inspection (LAB)



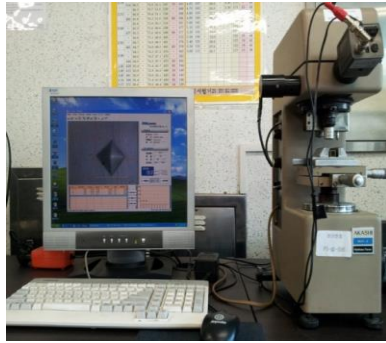
- ▶ Roughness Test
- ▶ Flattening Test
- ▶ Flaring Test
- ▶ Hydraulic Test and Under Water
- ▶ Tensile Strength Test (Tensile, Yield, Elongation)
- ▶ Hardness Test
- ▶ Appearance and Dimension Test
- ▶ Straightness Test
- ▶ Corrosion Test



Test Appliance



Rockwell
Hardness
Tester



Vickers Hardness Tester



Flattening Tester



Surface
Roughness
Tester



Polisher & Grinder



Cutting M/C



Microstructure



Mounting Press



Universal Testing M/C



Spectroscopy Analysis M/C

Major Project (Nuclear Power)

Grade	OD	WT	Length	Project name	End user	Use for
	(mm)					
316	9.53	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
316	12.7	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
316	19.05	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
316	38.1	2.41	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
316	6.35	1.24	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
304	12.7	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
304	19.05	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
304	38.1	2.41	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
304	6.35	1.24	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
MONEL400	9.53	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
B165	9.53	1.65	6096	BNPP	Hyundai / Samsung joint venture	Nuclear power
B75	9.53	1.65	6096	BNPP	ASPSI	Nuclear power
316	3/8"	1.65	6096	울진 3&4호기	BMT	Nuclear power
316	3/8"	1.65	6096	Shin-Hanul 1&2	BMT	Nuclear power
321	8	1.5	6000	Shin Kori 1&2	HK Metal	Nuclear power
A106 Gr.B	44.5	2.9	6000	Shin Kori 1&2	HK Metal	Nuclear power
A106 Gr.B	114.3	5	6000	Shin Kori 1&2	HK Metal	Nuclear power
304	10	1	6000	Shin Kori 1&2	HK Metal	Nuclear power
304	40.64	27	6000	Shin Kori 1&2	HK Metal	Nuclear power
304	222.25	25.4	1000	Shin Kori 1&2	Dosan Heavy Industries & construction	Nuclear power
Inconel 600	6.5	0.5	168	-	Seojin Instech	Nuclear power

Major Project (Petrochemical)

Grade	OD	WT	Length	Project name	End user	Use for
	(mm)					
C44300	15.87	1.25	3300	Oli Refinery Plant	S-Oil	Petro chemical Heat Exchanger
316L	9.53	0.889	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
TP317L	12	1.5	6000	Ruwais Refinery Expansion	GS E&C	Petro chemical Heat Exchanger
TP317L	12	1	6000	Ruwais Refinery Expansion	GS E&C	Petro chemical Heat Exchanger
TP317L	20	1.8	6000	Ruwais Refinery Expansion	GS E&C	Petro chemical Heat Exchanger
TP317L	25	2.2	6000	Ruwais Refinery Expansion	GS E&C	Petro chemical Heat Exchanger
316L	6.35	0.889	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
316L	6.35	1.24	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
316L	9.53	0.889	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
316L	12.7	1.24	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
316L	19.05	1.65	6000	RUC PJT	S-Oil	Petro chemical Heat Exchanger
B165 N08825	19.05	0.5	150	Ferrule - Inner Tube	Hyundai Oilbank	Petro chemical Heat Exchanger
316L	12.7	1.24	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
316L	9.53	1.24	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
316L	6.35	0.89	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
304	19.05	1.5	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
B165 N08825	19.05	0.5	150	Ferrule - Inner Tube	Hyundai Oilbank	Petro chemical Heat Exchanger
304	12.7	1.245	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
304	9.53	0.89	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
304	12.7	0.89	6000	Oil Refinery Plant	S-Oil	Petro chemical Heat Exchanger
Ti Gr.2	19.05	0.51	6060	RLS-67163-LA	Lavan Oil Refinery	Petro chemical Heat Exchanger
	28	0.51	5100			

Major Project (Heat Exchanger)

Grade	OD	WT	Length	Project name	End user	Use for
	(mm)					
304	19	1.6	15405	REV.01	Daekyung Machinery & Engineering	Heat Exchanger
304	25.4	2.11	6000		Cheil Industries Inc.	Heat Exchanger
304L	19.05	2.11	12192		Daekyung Machinery & Engineering	Heat Exchanger
316L	19.05	1.65	8900	PETROFAC YOLOTEN GAS FIELD	PETROFAC YOLOTEN (TURKMENISTAN)	Heat Exchanger
304L	19.05	1.65	8500	HP PROJECT	Taekwang Industrial Plant of Petrochemical 2 nd	Heat Exchanger
316L	6.35	0.89	6000	RIYADH HRSG PROJECT	Hyundai Heavy Industries	Heat Exchanger
316L	10	1	6000	ARZEW REFINERY PROJECT	Hanwha Engineering & Construction Corp.	Heat Exchanger
304	25.4	1.65	5000	TOYO THAI	AL PAC CO. (USA)	Heat Exchanger
316	15.9	1.6	850	HDO#2HOU PJT	Mikuni Engineering (SINGAPORE)	Heat Exchanger
304L	19.05	1.24	11000	KAJI TECH & SNUBBER COOLER/FILTER	Kaji Technology Corporation (JAPAN)	Heat Exchanger
304L	15.88	0.89	3910	Inboard 10 Degree	National Food Research Institute (JAPAN)	Heat Exchanger
304L	19.05	2.11	3000	Dmc plant 2nd utility saving	KPX Green Chemical	Heat Exchanger
304	12.7	0.8	3000	HDO#2HOU PJT	Mikuni Engineering (SINGAPORE)	Heat Exchanger
304	15.88	0.8	2338		PT.Intan (INDONESIA)	Heat Exchanger
304L (20ton)	22.23	2.413	5833		KNM CAPITAL SDN BHD (MALAYSIA)	Heat Exchanger
316L	19.05	1.65	4900		Behsaz Ind, Group Co. (IRAN)	Heat Exchanger
316L	25	1.6	1950		Pars Tajhizkaran Kimia Co. (IRAN)	Heat Exchanger
304L	57.1	3	3500	Khneo chemical PPY	Shinko EN&M	Heat Exchanger
304L	19.05	1.65	12100	1000M3 Jeju Air Vaporizer PJT	한국가스공사 (Korea Gas Corp.)	Vaporizer
304L	25.4	1.65	11640	HSVCI PP4 PJT	HYOSUNG	Vaporizer

Major Project (Industrial Plant)

Grade	OD	WT	Length	Project name	End user	Use for
	(mm)					
904L	3" ~ 4"	2.7 ~ 5.0	6000 ~ 14000		Seah Changwon Integrated Special Steel	Plug Drawing Consignment Procession (130ton/month)
304/L						
316/L						
304H						
321H						
316Ti	115W x 9 8H	13	5200		DSME	Hook Rail for Submarine
304L Square	76.5W x76.5H	1.2	1385	12RD02 PJT, CASK	Posco Plantec	
C68700 (30ton)	25.4	1.24	9203	#1,2 Condenser Seamless Tube	Korea Electric Power Corporation	Condenser
304 + C68700	19.1	1.65	6000	D/440	Tala General Trading	Double Layered Tube
C44300	15.88	1	6000		(IRAQ)	
304H	50.8	5.6	6000		Korea Southern Power	HRSG
317L	12	1.5	6000		Kyeam Tech	
316L	1"	0.083"	6000	SAMCO Acry PJT	Samsung Engineering	
316L	12	2	6000	Jor f Lasfa PJT	Daewoo E & C	
316L	½"	0.065"	6000	Mong Duong PJT	Doosan Heavy Industries & construction	
304	50.8	2.41	6000	MARAFIQ PJT	Doosan Heavy Industries & construction	
316	9.53	1.65	6000	GECHO-ONE (T/G)	Doosan Heavy Industries & construction	
304	25.4	2	4500	Deasan MMA	Hyundai Engineering	
Inconel 600	38.1	1.65	6000		GT Solar (USA)	Solar heat Power Plant
Hastelloy C-276	9.53	1.1	81.5 / 89.1		SAMSUNG	Semiconductors
316L	6.35	1.24	6000		Machine Sazi tasha Co. (IRAN)	Instrument Tube
304L	20	2.2	277.4		Delphi Corporation	Automobile Parts (GDI)
	20	2.2	312.28			

Certificate

Certificate (KEPIC)

KEPIC 전력산업기술기준
Korea Electric Power Industry Code


QUALITY SYSTEM CERTIFICATE

Certificate Number : DN-473

Company Name : Pungsung Precision Tube Co., Ltd.
Address : 81, Yongdeok-ro 302beon-gil, Hallim-myeon, Gimhae-si, Gyeongsangnam-do, KOREA

This is to certify that the above company has established and maintained proper quality system program for the scope shown below in accordance with the applicable requirements of Korea Electric Power Industry Code.

Applicable Code : KEPIC-MN, SN
Certification Date : April 20, 2017
Expiration Date : April 19, 2020
Scope :
- Material organization manufacturing tubular products and supplying ferrous & nonferrous material except for welding & repair welding



대한전기협회장
Chairman of Korea Electric Association



Certificate (PED)

Certificate

**Quality-Assurance System
for Manufacturer of Materials
acc. to Directive 2014/68/EU**

Certificate no.:

01 202 ROKIQ-19 0100

Name and address of the manufacturer:

Pungsung Precision Tube Co., Ltd.
81, Yongdeok-ro 302 beon-gil,
Hallim-myeon, Gimhae-si,
Gyeongsangnam-do, Korea

Herewith we certify that the material manufacturer has established and applies a Quality Management System. The system was audited according to the European Directive 2014/68/EU, Annex I, Par. 4.2, with regard to the materials as listed in the scope of approval.

Tested acc. to Directive 2014/68/EU:

QM System acc. to EN 764-5, article 4.2

Audit report no.:

ROKIQ-19 0100

Area of validity:

Manufacturing of Seamless Steel Tubes & Pipes, see annex to certificate

Manufacturing plant:

Pungsung Precision Tube Co., Ltd.
81, Yongdeok-ro 302 beon-gil,
Hallim-myeon, Gimhae-si,
Gyeongsangnam-do, Korea

Valid until:

May 14, 2022

Cologne, May 15, 2019

Dipl.-Ing. (FH) Roman Alexander Meyers

TÜV Rheinland Industrie Service GmbH
Industriestraße 119, 50670 Köln, Germany 0221
Am Grauen Stein, D-51129 Köln

01009-Rev02

www.tuv.com

TÜVRheinland®
Precisely Right.

Certificate (ISO 9001:2015)

G-CERTI
CERTIFICATION
SERVICE

G-CERTI Certificate

G-CERTI hereby certifies that

PUNGSUNG PRECISION TUBE CO., LTD.

81, Yongdeok-ro 302beon-gil, Hallim-myeon, Gimhae-si,
Gyeongsangnam do, Korea.




has been audited and certified as meeting the requirements of Scope of registration

ISO 9001:2015 Quality Management Systems

PRODUCTION OF TUBE, PIPE AND BAR FOR STAINLESS STEEL,
CARBON STEEL, TITANIUM ALLOY, COPPER ALLOY AND SPECIAL
METALS

Certificate No. : GKC - 0945 - QC
Initial Date : 17 Jul. 2018 Issue Date : 17 Jul. 2018
Expiry Date : 16 Jul. 2021 Code : 17
UIC : MSCB-113-85091

Signed and sealed by G-CERTI
Franklin J. Lynch

Certificate (ISO 14001:2015)

G-CERTI
CERTIFICATION
SERVICE

G-CERTI Certificate

G-CERTI hereby certifies that

PUNGSUNG PRECISION TUBE CO., LTD.

81, Yongdeok-ro 302beon-gil, Hallim-myeon, Gimhae-si,
Gyeongsangnam do, Korea.




has been audited and certified as meeting the requirements of Scope of registration

ISO 14001:2015 Environmental Management Systems

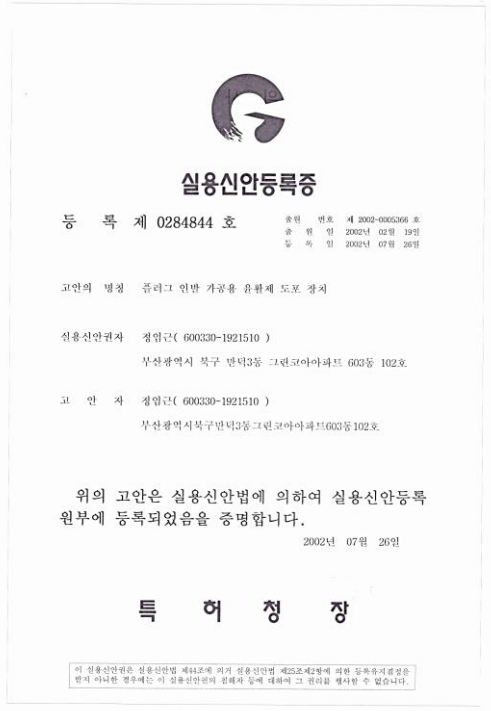
PRODUCTION OF TUBE, PIPE AND BAR FOR STAINLESS STEEL,
CARBON STEEL, TITANIUM ALLOY, COPPER ALLOY AND SPECIAL
METALS

Certificate No. : GKC - 0945 - EC
Initial Date : 17 Jul. 2018 Issue Date : 17 Jul. 2018
Expiry Date : 16 Jul. 2021 Code : 17
UIC : MSCB-113 12201

Signed and sealed by G-CERTI
Franklin J. Lynch

Certificate (Patent)



실용신안등록증

등록 제 028484 호 출원 번호 제 2002-0003366 호
 출원일 2002년 02월 19일 등록일 2002년 07월 26일

고안의 명칭 플러그 인방 가공용 유회재 도포 장치

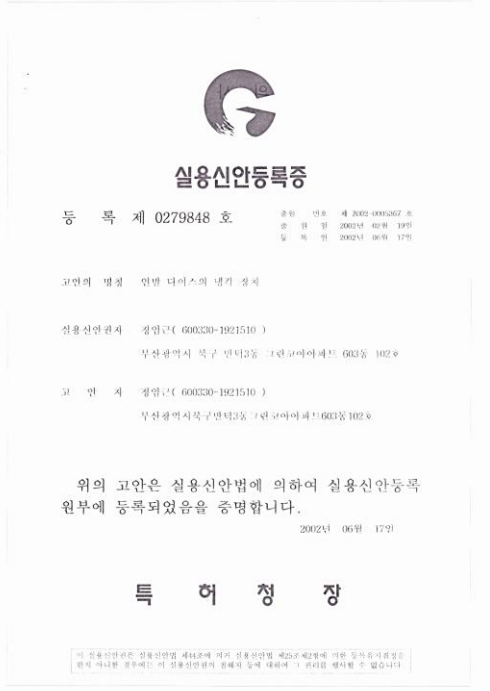
실용신안권자 정임근 (600330-1921510)
 부산광역시 북구 만덕3동 그린코아아파트 603동 102호

고안자 정임근 (600330-1921510)
 부산광역시북구만덕3동 그린코아아파트603동 102호

위의 고안은 실용신안법에 의하여 실용신안등록 원부에 등록되었음을 증명합니다.
 2002년 07월 26일

특 허 청 장

이 실용신안법은 실용신안법 제43조에 의거 실용신안법 제25조제2항에 의한 등록유예기간을 받지 아니한 경우에는 이 실용신안법의 일체와 동시에 대하여 그 권리를 행사할 수 없습니다.



실용신안등록증

등록 제 0279848 호 출원 번호 제 2002-0003667 호
 출원일 2002년 02월 19일 등록일 2002년 06월 17일

고안의 명칭 인벤 네이스의 냉각 장치

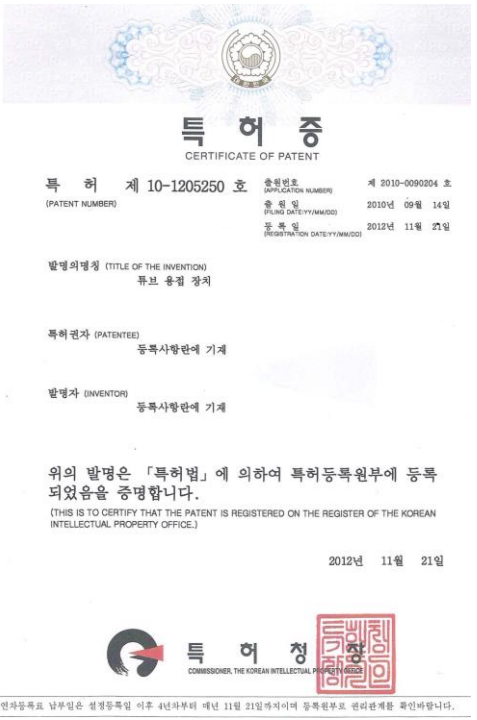
실용신안권자 정임근 (600330-1921510)
 부산광역시 북구 만덕3동 그린코아아파트 603동 102호

고안자 정임근 (600330-1921510)
 부산광역시북구만덕3동 그린코아아파트603동 102호

위의 고안은 실용신안법에 의하여 실용신안등록 원부에 등록되었음을 증명합니다.
 2002년 06월 17일

특 허 청 장

이 실용신안법은 실용신안법 제43조에 의거 실용신안법 제25조제2항에 의한 등록유예기간을 받지 아니한 경우에는 이 실용신안법의 일체와 동시에 대하여 그 권리를 행사할 수 없습니다.



특 허 증
 CERTIFICATE OF PATENT

특 허 제 10-1205250 호 출원번호 제 2010-0090204 호
 (PATENT NUMBER) (APPLICATION NUMBER)
 출원일 2010년 09월 14일
 (FILING DATE/Y/M/D) (PUBLICATION DATE/Y/M/D)
 등록일 2012년 11월 27일
 (REGISTRATION DATE/Y/M/D)

발명의명칭 (TITLE OF THE INVENTION)
 튜브 용접 장치

특허권자 (PATENTEE)
 등록사항란에 기재

발명자 (INVENTOR)
 등록사항란에 기재

위의 발명은 「특허법」에 의하여 특허등록원부에 등록되었음을 증명합니다.
 (THIS IS TO CERTIFY THAT THE PATENT IS REGISTERED ON THE REGISTER OF THE KOREAN INTELLECTUAL PROPERTY OFFICE.)

2012년 11월 27일

특 허 청 장
 COMMISSIONER, THE KOREAN INTELLECTUAL PROPERTY OFFICE

인사공무요 남부일출 촬영등록일 이후 4년차부터 매년 11월 21일까지의 등록원부를 관리관제를 확인바랍니다.



특허증
 CERTIFICATE OF PATENT

특 허 제 10-1882074 호
 Patent Number

출원번호 제 10-2016-0058695 호
 Application Number
 출원일 2016년 05월 13일
 Filing Date
 등록일 2018년 07월 24일
 Registration Date

발명의 명칭 Title of Invention
 다중 구조 파이프의 제조방법

특허권자 Inventor
 등록사항란에 기재

발명자 Inventor
 등록사항란에 기재

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.

2018년 07월 24일


특허청장
 COMMISSIONER,
 KOREAN INTELLECTUAL PROPERTY OFFICE
 성찬모

특허청
 Korean Intellectual Property Office

QR코드로 해당기준 등록사황을 확인하세요

Certificate (Main-Biz)

Certificate (Main-Biz)





제 161101-02040 호

경영혁신형 중소기업(Main-Biz) 확인서

업 체 명 : (주)풍성정밀관
대표자명 : 정임근
주 소 : 경남 김해시 한림면 용덕로302번길 81
유효기간 : 2016.10.31 ~ 2019.10.30

위 업체는 경영혁신형 중소기업 육성사업에 의해 선정된 경영혁신형 중소기업(Main-Biz)임을 확인합니다.

 2016 년 10 월 31 일

중 소 기 업 청 

Certificate (Inno-Biz)



Technological Innovation Association for Small & Medium Business

회 원 증

회 원 번 호 : 20086761
회 원 사 : 풍성정밀관
대 표 자 : 정임근
사업자등록번호 : 606-33-77246
협회 등록일 : 2018년 02월 27일
유효 기 한 : 2019년 02월 26일

상기 회사는 본 협회 정관 제 6조의 규정에 의거 중소기업기술혁신협회의 회원임을 증명합니다.

 2018년 02월 27일

중소기업기술혁신협 

Certificate (Small-Giants Company)



인증 018호

김해형 강소기업 인증서

· 기 업 명 : (주)풍성정밀관
· 대 표 자 : 정임근
· 주 소 : 김해시 한림면 용덕로 302번길 81

위 기업을 탁월한 기술과 경영혁신으로 김해 미래산업을 선도할 『김해형 강소기업』으로 인증합니다.

2019년 6월 17일

 김해시장 허 성 

Registered as a vendor

Registered as a vendor (KHNP)



유자격공급자 등록증

Certificate of Registration

등록번호 (Certificate No.): 201600808
 상 호 (Company Name): 주식회사 동성정밀관
 공장주소 (Factory Location): 경상남도 김해시 용덕로302번길 81 (한림면)
 대표 자 (Chief Executive officer): 정임근

D양기 업체는 우리 회사의 공급자관리절차에 따라 심사한 결과 예비품목 D기재 공급업체로 등록되었음을 증명합니다.

This is to certify that according to KHNP's qualification procedure, this company has been registered on KHNP's Approved Source Parts Vendor List for the below items.

등록사항
 1. 본 회사가 제조한 품목에 공급자관리시스템을 통하여 품질관리를 실시합니다.
 2. 본 회사가 제조한 품목에 공급자관리시스템을 통하여 품질관리를 실시합니다.
 3. 본 회사가 제조한 품목에 공급자관리시스템을 통하여 품질관리를 실시합니다.
 4. 본 회사가 제조한 품목에 공급자관리시스템을 통하여 품질관리를 실시합니다.

품목코드	종 명	품질등급	유효기간	
NO	Item Code	Item Description	Quality Class	Authorized Period
1	101(A)	PIPE	A	2017.01.02~2020.01.01
2	105(A)	TUBING	A	2017.01.02~2020.01.01

2017.01.02

한국수력원자력(주)
 KOREA HYDRO & NUCLEAR POWER CO., LTD.

Registered as a vendor (S-Oil)



공급업체 등록증

- 등록번호 : 15859
- 업 체 명 : (주)동성정밀관
(사업자등록번호 : 615-81-82875)
- 소 재 지 : 경상남도 김해시 용덕로302번길 81
- 유효기간 : 2014/01/21 ~ 2017/01/20
- 승인분야 : - 품목 : Stainless Steel Seamless Tube, Copper Alloy Seamless Tube
- 범위 : Heat Exchanger Tube, Boiler Tube

상기 업체는 우리 회사의 관리절차에 따라 심사한 결과 승인분야에 대한 공급자로 등록 되었음을 증명합니다.

2014년 01월 21일

S-OIL 주식회사
 구매부담 담당 상무

Registered as a vendor (Korea South- East Power Co.)

발급번호 : 0651-1982-E3Y-1321

정비적격업체 인증서

등록번호 : 남동-0742
 업체명 : (주)동성정밀관
 대표자명 : 정임근
 사업자등록 : 615-81-82875
 소재지 : 경남 김해시 한림면 용덕로 302번길 81
 유효기간 : 자격품목 하단에 표시

NO	자격	종류	자격	범위	지적분야
1	복합기 Tube	[2015.05.04~2018.05.03]	Not Limited		제작/반출/입
2	복합기용 열교환기	[2015.05.04~2018.05.03]	국유제품		제작/반출/입
3	방핵용기용 Pipe & Fitting	[2015.05.04~2018.05.03]	Not Limited		제작/반출/입

위 업체를 발전설비 정비적격업체로 인정함

2016.06.28

한국남동발전(주)
 KOREA SOUTH-EAST POWER CO.