



***The Best Forging SUPPLIER in the World
for Petrochemical and Wind Industry***

STEEL KOREA

Welcome!

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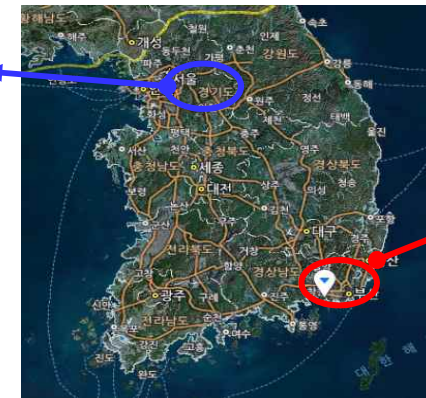
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1. Company Overview



Seoul



Busan

www.steelkorea.kr



STEEL KOREA

1.1 Company Profile

Company name : SteelKorea Co. Ltd

President : Hyun Do, Heo
worked as a executive director in Taewoong

Employee : 50 persons (2020 year)

Sales : USD 9.4 million (2019 year)

Head Office : 30 Mieumsandan 2-ro 16beon-gil Gangseo-gu
Busan, Korea

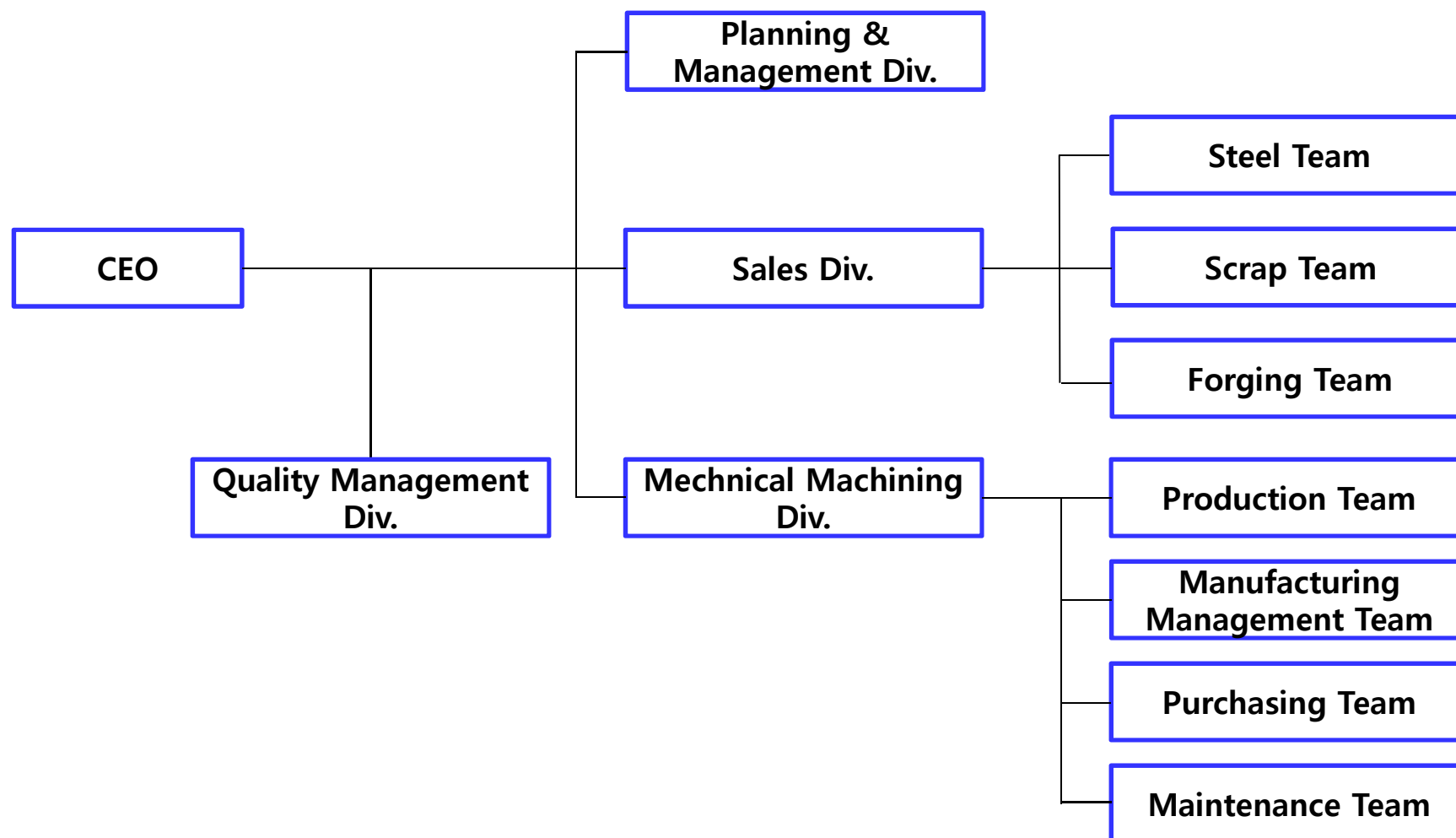
Main Business : Wind tower industry, Petrochemical industry
Shipping industry, Energy industry, and etc.



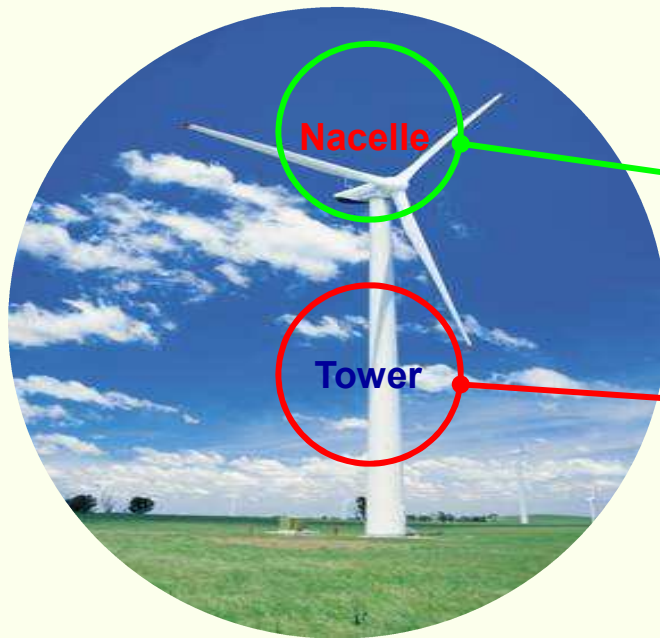
1.2 History

2005 Sep.	Established Steel Korea Co. Ltd
2007 Dec.	Installed #8, CNC Vertical Turning machine 150ton, Max size : $\phi 6,600\text{mm}$
2008 Jan.	Installed #4, CNC Gantry drill machine Max size : 6,500 x 6,500mm, Hole : $\phi 100$
2008 Oct.	Acquired ISO 9001:2008
2012 Dec.	Awarded USD 1,000,000 Export tower
2013 Oct.	Installed #15, CNC Vertical Turning machine 150ton, Max size : $\phi 6,300\text{mm}$
2016 Aug.	Moved to Mieum industry complex, 23,000m ²
2020 Sep.	Awarded Prime Minister Citation

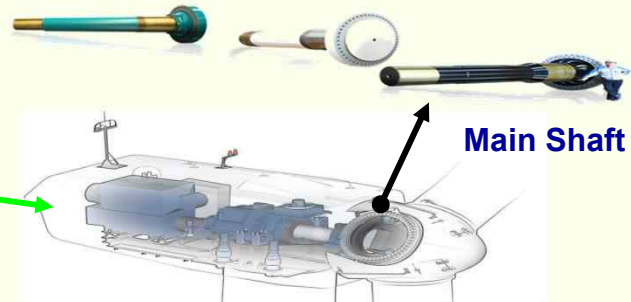
1.3 Organization



2. Main Products



Wind Power Generator



Wind Tower Flange

**Customer
Company**

TAEWOONG

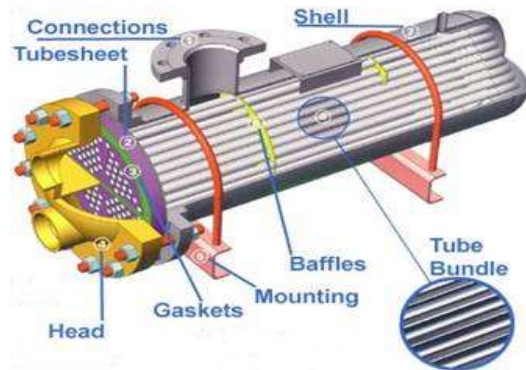
TAE SANG



牧井ステンレス株式会社
MAKII STAINLESS

BENKAN®

2.1 Main Products



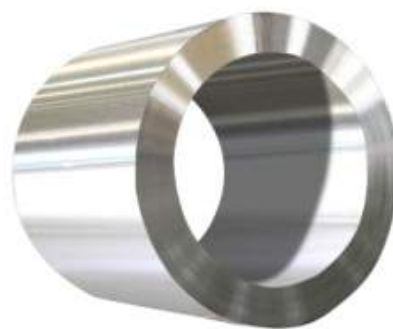
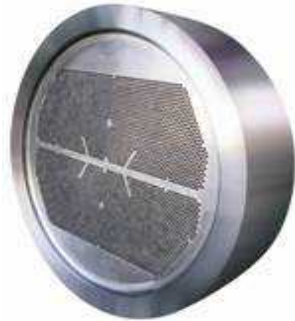
Heat Exchanger



Pressure Vessel



Tube Sheet



Forged Shell



**Nozzles
(Forged Neck)**

3. Supply Records



■ Wind Tower Flange In 2016

No.	Customer	Q'ty	Max.OD size	Material
1	Vstas	2,470	Φ5300	S355NL, S355N
2	Siemens	777	Φ6000	S355NL, S355N
3	Ambau	426	Φ6000	S355NL, S355N
4	DongKuk S&C	346	Φ5053	S355NL, S355N
5	Reuther	120	Φ4480	S355NL, S355N
6	Gestamp	118	Φ4500	S355NL, S355N
7	Bladt Ind.	83	Φ6293	S355NL, S355N
8	Trinity	80	Φ4556	S355NL, S355N
9	C.W	50	Φ4500	S355NL, S355N
10	MNS	50	Φ4810	S355NL, S355N
11	Etc..	130	Φ6003	S355NL, S355N
Total		4,650		

3.1 Supply Records



■ Wind Tower Flange In 2017 (Jan.~Jun.)

No.	Customer	Q'ty	Max.OD size	Material
1	Vstas	1,151	Φ6500	S355NL, S355N
2	DongKuk S&C	373	Φ4600	S355NL, S355N
3	Ambabu	213	Φ5145	S355NL, S355N
4	Siemens	88	Φ6000	S355NL, S355N
5	Gestamp	67	Φ4608	S355NL, S355N
6	Unison	54	Φ5053	S355NL, S355N
7	EEW	33	Φ6502	S355NL, S355N
8	Trinity	16	Φ4300	S355NL, S355N
9	Duferco	9	Φ4595	S355NL, S355N
10	Reuther	3	Φ4290	S355NL, S355N
11	Etc..	59	Φ6820	S355NL, S355N
Total		2,066		

3.2 Supply Records



■ Wind Tower Flange In July 2018 ~ March 2021

Customer	Project	Nation	Item	Q'ty	Max.OD size	Material
SIF	Peregrino	Netherlands	Bottom Flange	100	6752	S355NL-Z35
	Seamade	Belgium	Top Flange	100	6501	S355NL-Z35
	Q10	Netherlands	MP FLANGE	100	6501	S355NL-Z35
Bladt Industry	Horns Rev.3	Denmark	MP FLANGE	70	6502	S355NL
	Northwester2	Belgium	Bottom FLANGE	70	6822	S355NL
	Kriegers Flak	Denmark	TP FLANGE	70	6502	S355NL
Valmont	East Anglia ONE	United Kingdom	TOWER FLANGE	50	5887	S355NL
	Galloper		TOWER FLANGE	50	5887	S355NL
	Horn Sea 1		TOP FLANGE	50	4940	S355NL
	Inch Cape		TOWER FLANGE	400	6000	S355NL-Z25
	Neart Na Gaoithe		TOWER FLANGE	400	6000	S355NL-Z25
	Dudgeon		TOWER FLANGE	400	6000	S355NL-Z25
	Rampion		BEARING SURROUNDING	50	6467.5	S355NL
	Race Bank		BEARING SURROUNDING	50	4590.9	S355NL
	EEW		Beatrice	United Kingdom	TP FLANGE	100
RIG METALS	Meikle Wind	Canada	TOWER FLANGE	60	6573	S355NL-Z35
WELCON	Hose See	Germany	TOWER FLANGE	400	6000	S355NL
	Albatros	Germany	TOWER FLANGE	400	6000	S355NL
	Trianel	Germany	TOWER FLANGE	400	6000	S355NL
SIEMENS	Walney Extention	United Kingdom	TOWER FLANGE	20	6000	S355NL
			TOWER FLANGE	20	6000	S355NL
			TOWER FLANGE	1	7000	S355NL
			TOWER FLANGE	1	7360	S355NL
Total				3362		



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3.3 Supply Records



2014.01.01~2018.11.28					
ITEM	MATERIAL	SIZE (OD*ID*L)	QTY	WEIGHT	WEIGHT (TOTAL)
PIPE	SCM440	1134 * 676 * 1615	1	10,991	10,991
PIPE	SCM440	1078 * 589 * 1402	1	9,396	9,396
PIPE	S355J2+N	1000 * 788 * 1005	3	3,801	11,403
PIPE	A182F91	1120 * 1062 * 1520	1	4,097	4,097
PIPE	A105	1000 * 470 * 1334	1	8,445	8,445
PIPE	A105	1000 * 470 * 1334	1	8,445	8,445
PIPE	S355J2G3	1150 * 775 * 1550	1	9,693	9,693
PIPE	A105	1010 * 790 * 1160	1	4,404	4,404
PIPE	A105	1010 * 790 * 1160	6	4,404	26,424
PIPE	A105	1010 * 790 * 1160	5	4,404	22,020
PIPE	A105	1010 * 790 * 1160	1	4,404	4,404
PIPE	A105	1010 * 790 * 1160	6	4,404	26,424
PIPE	A105	1010 * 790 * 1160	5	4,404	22,020
PIPE	A105M	1200 * 830 * 2140	1	14,228	14,228
PIPE	A105N	1097 * 489 * 1063	2	8,577	17,154
PIPE	A105	1100 * 1018 * 1520	10	5,183	51,830
PIPE	A105	1160 * 800 * 2580	1	14,420	14,420
PIPE	SA105N	1168.4 * 597 * 1000	1	8,816	8,816
PIPE	A182F316/F316	1040 * 610 * 1093	2	6,786	13,572
PIPE	A182F316/F316	1040 * 610 * 1074	2	6,678	13,356
PIPE	S45C	1008 * 872 * 1780	2	5,418	10,836
PIPE	S45C	1008 * 852 * 1781	1	5,799	5,799
PIPE	SUSF304H	1174 * 1070 * 1597.5	1	5,951	5,951
PIPE	SUSF304H	1174 * 1070 * 1490	1	5,585	5,585
PIPE	SS400	1075 * 865 * 1850	1	7,895	7,895
PIPE	A105	1090 * 930 * 3300	1	12,641	12,641
PIPE	S45C-N	1008 * 872 * 1780	2	5,727	11,454
PIPE	S45C-N	1008 * 852 * 1780	1	5,796	5,796
TOTAL			62		367,499

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3.4 Supply Records



ITEM	MATERIAL	OD	WT	ID	L	QTY	WEIGHT	WEIGHT (TOTAL)
PIPE	STPA24	660	46	569	1930	2	1,332	2,664
PIPE	SA105M	610	84	442	1720	1	1,875	1,875
PIPE	STPA22-SH(2005)	915	52	811	2690	1	2,978	2,978
PIPE	SA182 F22-CL1	550	108	334	1520	4	1,789	7,156
PIPE	SA182 F22-CL1	775	62	651	1730	8	1,886	15,088
T (R) 14x10 44.2T/37.08T	SA182M F11-CL2					1		
R (C) 14 x 12 37.0T/33.32T	SA182M F11-CL2					1		
PIPE	SA182 F12-CL2	610	99	412	1720	4	2,146	8,584
PIPE	STPT410	720	41	639	1980	4	2,688	10,752
PIPE	SA182 F12-CL2	550	90	371	1520	4	1,646	6,584
PIPE	SA182 F12-CL2	550	84	383	1520	2	1,461	2,922
PIPE	ASME SA105M	610	84	442	1720	1	1,875	1,875
PIPE	ASTM A105	1090	80	930	3300	1	6,576	6,576
PIPE	ASTM A105	970	60	850	1650	1	2,221	2,221
R(C) 20X18 85.0T/83.0T	A182-F11 CL2					2	424	848
R(C) 14X12 35.71T/33.32T	A182-F11 CL2					1	110	110
T(R) 26X20 110.0T/92.0T	A105					1	3,205	3,205
T(R) 26X20 110.0T/92.0T	A105					1	3,205	3,205
T(R) 26X14 110.0T/75.7T	A105					1	2,517	2,517
T(R) 26X10 110.0T/64.5T	A105					1	2,382	2,382
T(R) 20X12 128.5T/98.1T	A105					1	2,632	2,632
R(C) 26X20 85.0T/66.0T	A105					1	577	577
R(C) 26X20 85.0T/66.0T	A105					1	577	577
PIPE	STPT480	610	104	402	1720	3	2,231	6,693
Girth Gear	S45C	4740		4220	160	1	4,592	4,592
TIRE RING	SCM440-H	4180		3805	236	1	4,344	4,344
TIRE RING	SCM441-H	4180		3805	220	1	4,058	4,058
TOTAL						51		105,015

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4. Facilities



CNC VERTICAL TURNNING MACHINE
No.1

- ✓ Manufacturer : KOLOMNA
- ✓ SIZE : Ø5000
- ✓ SWING : Ø5300
- ✓ Max, Finishing Weight : 150Ton
- ✓ Max, Finishing Size : Ø4300



CNC VERTICAL TURNNING MACHINE
No.2

- ✓ Manufacturer : SHIBAURA
- ✓ SIZE : Ø4500
- ✓ SWING : Ø5000
- ✓ Max, Finishing Weight : 30Ton
- ✓ Max, Finishing Size : Ø4850



CNC VERTICAL TURNNING MACHINE
No.3

- ✓ Manufacturer : KOLOMNA
- ✓ SIZE : Ø4000
- ✓ SWING : Ø4350
- ✓ Max, Finishing Weight : 50Ton
- ✓ 최대 Max, Finishing Size : Ø4350



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4.1 Facilities



CNC VERTICAL TURNING MACHINE
No.4

- ✓ Manufacturer : NILES
- ✓ SIZE : Ø3500
- ✓ SWING : Ø4300
- ✓ Max. Finishing Weight : 40Ton
- ✓ Max. Finishing Size : Ø4300



CNC VERTICAL TURNING MACHINE
No.5

- ✓ Manufacturer : NILES
- ✓ SIZE : Ø3500
- ✓ SWING : Ø4300
- ✓ Max. Finishing Weight : 40Ton
- ✓ Max. Finishing Size : Ø4300



CNC VERTICAL TURNING MACHINE
No.6

- ✓ Manufacturer : QIQIHAR
- ✓ SIZE : Ø4500
- ✓ SWING : Ø5000
- ✓ Max. Finishing Weight : 30Ton
- ✓ Max. Finishing Size : Ø5000

4.2 Facilities



CNC VERTICAL TURNING MACHINE
No.7

- ✓ Manufacturer : QIQIHAR
- ✓ SIZE : Ø4500
- ✓ SWING : Ø5000
- ✓ Max. Finishing Weight : 30Ton
- ✓ Max. Finishing Size : Ø5000



CNC VERTICAL TURNING MACHINE
No.8

- ✓ Manufacturer : KOLOMAN
- ✓ SIZE : Ø6300
- ✓ SWING : Ø6600
- ✓ Max. Finishing Weight : 150Ton
- ✓ Max. Finishing Size : Ø6600



CNC Gantry Drill Machine No.1

- ✓ Manufacturer : NILES
- ✓ SIZE : 5000 X 5000 mm
- ✓ O.D : Ø5000
- ✓ Hole Size : Ø100

4.3 Facilities



CNC Gantry Drill Machine No.2

- ✓ Manufacturer : NILES
- ✓ SIZE : 5000 X 5000 mm
- ✓ O.D : Ø5000
- ✓ Hole Size : Ø100



CNC Gantry Drill Machine No.3

- ✓ Manufacturer : NILES
- ✓ SIZE : 5000 X 5000 mm
- ✓ O.D : Ø5500
- ✓ Hole Size : Ø100



CNC Gantry Drill Machine No.4

- ✓ Manufacturer : NILES
- ✓ SIZE : 6500 X 6500 mm
- ✓ O.D : Ø6500
- ✓ Hole Size : Ø100



5. Available Material

Carbon Steel : S355Grade, S235/275 Grade
A105, A266, A350, A580, A694,
SF440A, SF490A Etc.

Alloy Steel : A182F1, F5, F9, F11, F22 Etc.
42CrMo Series
SCM440, SNCM420, SNCM439 Etc.

Stainless Steel : A182F304/L, F316/L, F321, F341 Etc.
SUS304F304/L, SUS316/L, SUS410Etc.

Duplex : A182F51, F53 Etc.
S31803 Etc.



S355NL, S355N
タワーフランジ



鍛造シームレスパイプ (SA182 F12 CL2)
STPT410, STPT480



ガースギア S45C



TEE, REDUCER
カーボン (A105M)
合金 (SA182M F11CL2)



ローラー SCM440-H



タイヤ SCM440-H



鍛造シームレスパイプ
SFVA F12



STEEL KOREA

6. Facilities (TAEWOONG)

● 1st Factory



Ø9,500 Ring Rolling Mill



8,000Ton Forging Press



5,000Ton Press &
125MT Manipulator



15,000Ton press &
400MT manipulator

● 2nd Factory



Ø3,000 Ring Rolling Mill



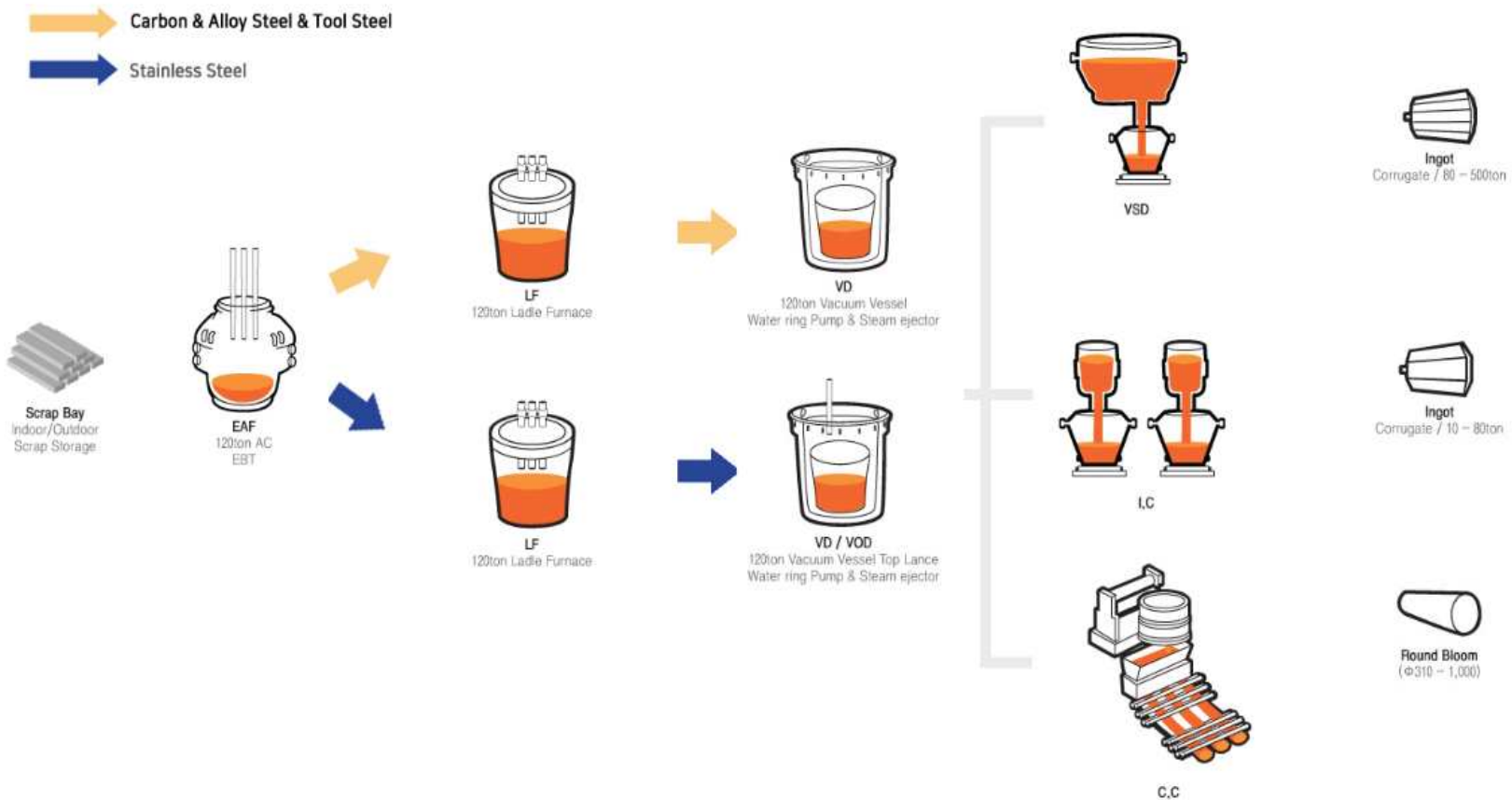
2,000Ton Forging Press



1,500Ton Press &
40MT Manipulator

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7. Production Procedure (TAEWOONG)



8. Steel Products (TAEWOONG)



INGOT

Operating with state-of-the-art equipment and facilities,
a great variety of ingots used in open die forging,
from small- to super-large sizes, are being manufactured at our steel factory.

Process	LC
Shape	Corrugate(8/16angle)
Size	1,124 ~ 1,948mmW(Body Max.Diameter)
Length	1,381 ~ 3,259mmH
Weight	10 ~ 80 ton

Process	VSD
Shape	Corrugate(16/24angle)
Size	2,151 ~ 2,994mm(Body Max.Diameter)
Length	3,157 ~ 4,378mmH
Weight	80 ~ 500 ton

STEEL GRADE

SHAPE	SIZE	GROUP
INGOT	10 ~ 500 ton	Carbon Steel-Low Alloy Steel Austenitic STS-Ferritic STS Martensitic STS-Duplex STS Tool Steel

8.1 Steel Products (TAEWOONG)

ROUND BLOOM

Taewoong's exclusive ROUND BLOOM line
can produce up to Ø1000 ROUND BLOOM.
it is world's first & the largest Ø1000 ROUND BLOOM in the world



Process	C.C
Shape	Round Bloom
Size	Ø310, Ø410, Ø600, Ø800, Ø1,000
Length	Ø310 ~ 800 : 3 ~ 9m / Ø800, Ø1,000
Weight	1.7 ~ 36.9ton

STEEL GRADE

SHAPE	SIZE	GROUP
BLOOM	Ø310 ~ 1,000	Carbon Steel-Low Alloy Steel Austenitic STS-Ferritic STS Marstensitic STS-Duplex STS Tool Steel

※Round bloom for Stainless steel can be manufactured up to Ø800



Conclusion

*Best
Price*

**We, STEEL KOREA,
are the Best supplier
for you.**

*Best
Quality*

*On Time
Delivery*

Thanks!