



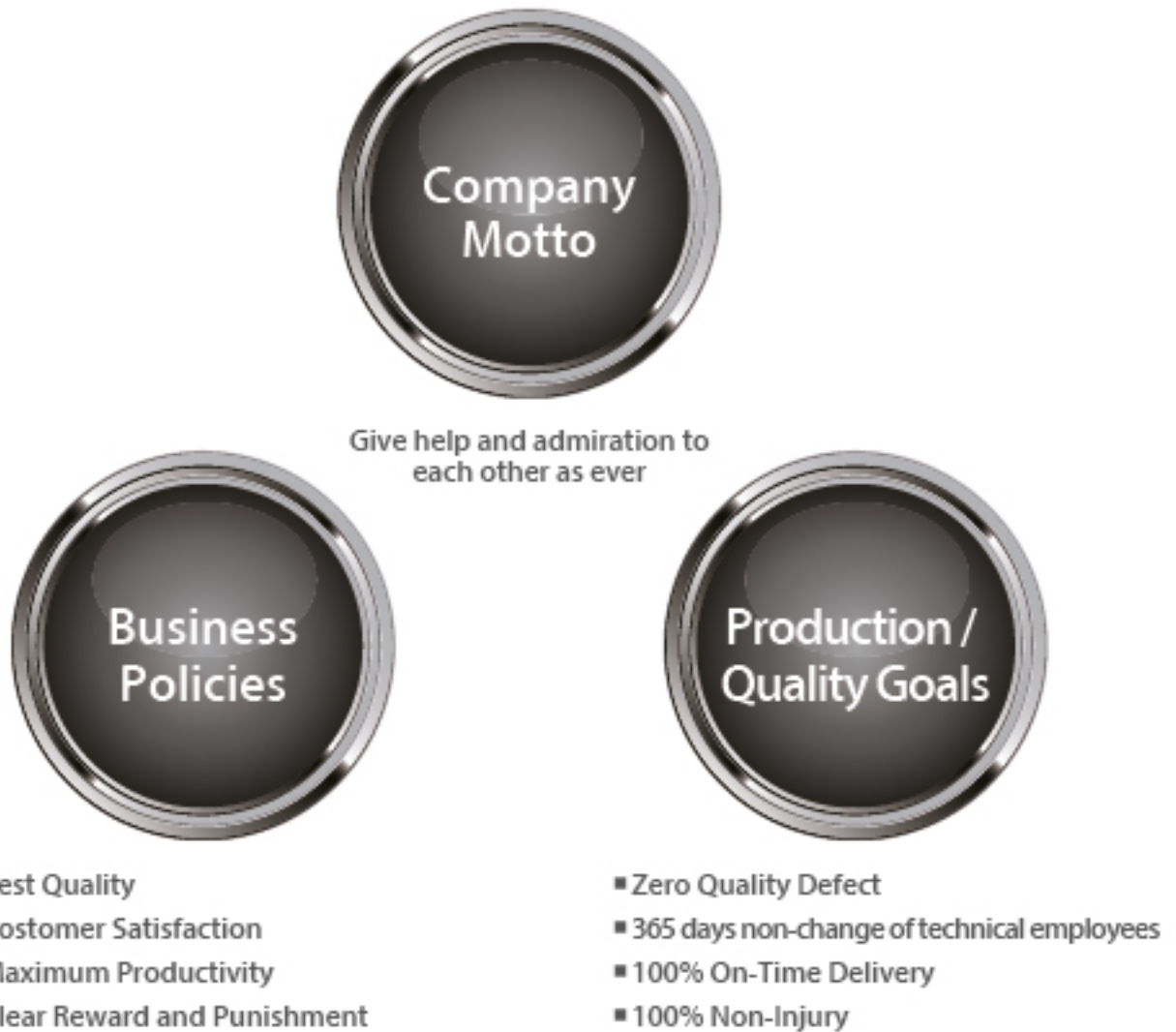
YSSPECIALSTEEL



CONTENTS

- 03 | Company Philosophy
 - 04 | CEO Message
 - 06 | Company History
 - 07 | Factory size, Number of Employees
 - 08 | Production Capability
 - 09 | Main Products, Material
 - 10 | Main Facilities
 - 11 | Main Laboratory, Factory Pictures
 - 12 | Produce Line-up
 - 15 | Environmental Management, Certificates
-

TRUST OF **YOUNG SHIN** IS STRONGER THAN STEEL!



The only way with 25-year history, resulted from the steel-like strong trust

Based on the craftsmanship of the long-serving employees with confidence and reliability and the accumulated technologies, Young Shin Special Steel have been satisfying customers' requirements, such as quality, timely delivery and reasonable price, over the last 25 years. To make the history successful in the next 25 years, Young Shine will take on challenges step with "steel-like strong trust."



CEO Message



Founded in the name of Cheonheung Foundry Industry Co.,Ltd. in Oct. 1989, Young Shine changed its business name into the current "Young Shine Special Steel" on Aug. 1, 1997. Since then, Young Shine Special Steel which manufactured FC has been producing carbon steel and Stainless steel. Under the business policies of best quality, customer satisfaction, maximum productivity, and clear reward and punishment, we, Young Shine Special Steel, are doing the best to achieve our production and quality goals: zero quality defect 100% on-time delivery, 365 days non-change of technical employees, and 100% non-injury. We will make melted iron, all of executives and employees, Young Shine Special Steel, will put all possible efforts for the future. Please give your constant support and encouragement.



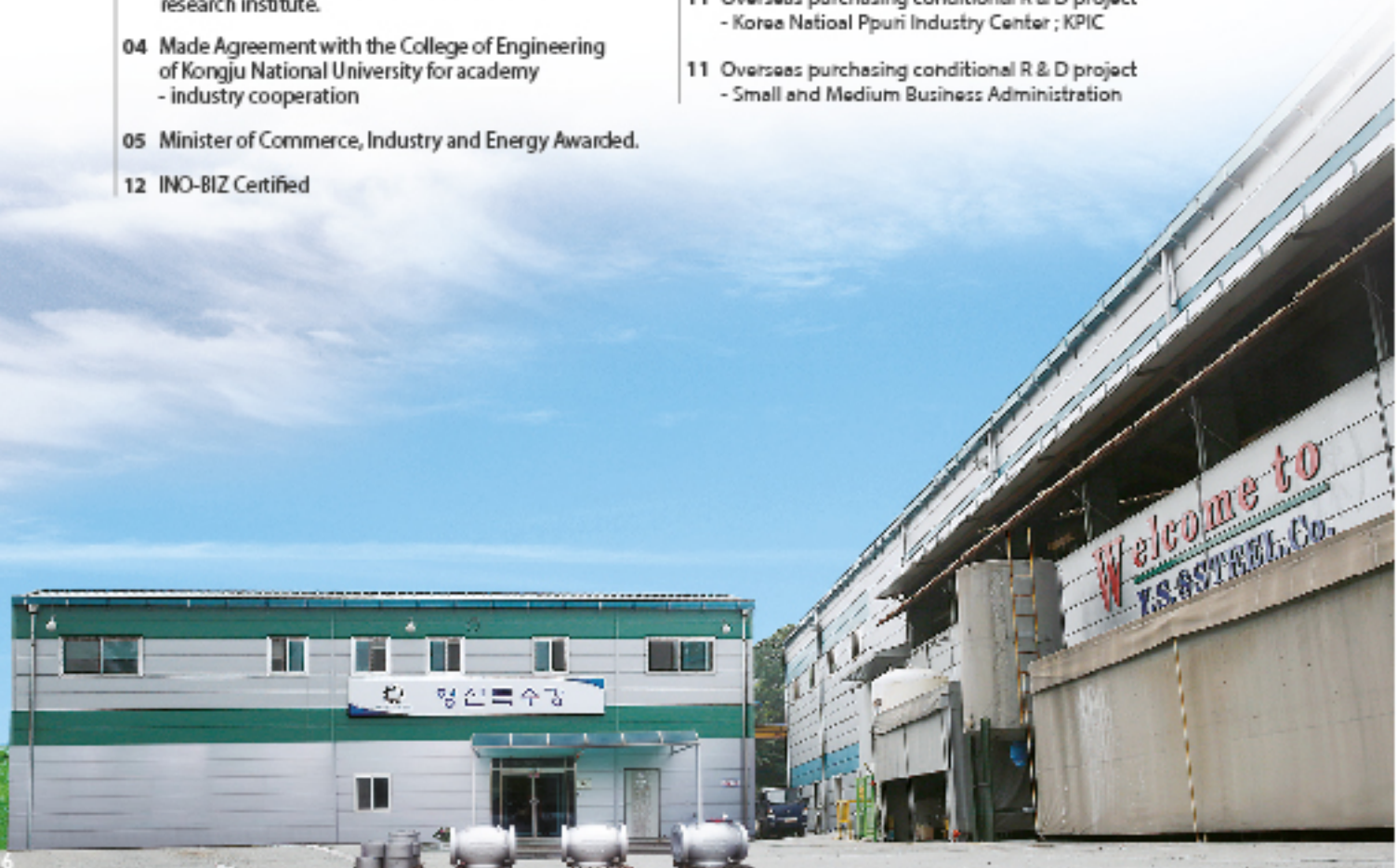
Our Business Purpose

With mutual understanding and cooperation, we, Young Shine people, focus on best quality and customer satisfaction for production activity by exerting excellent creativity, ceaseless action, and strong efforts. Also in the successful pursuit of profits, we aim to develop into the company which provides "happiness" for each family, achieves "prosperity" for business, and make a "contribution" to society, and thereby to realize physical and mental affluence in family, company, and society all together.



Company History

- 1989** | **01** Established Chunheung Casting Co., Ltd.
(Land 3,306m², Building 1,984 m²) Located
in the first industrial complex in Dujung-dong,
Cheonan-si. Founder : Park Won
- 1997** | **09** Established Youngsin Special Steel (Business
changed from FC to Carbon steel and
Stainless steel production)
- 2006** | **08** Moved and expanded Sung-hwan plant
11 Increased melting capacity : 50 tons/month
to 300 tons/month
- 2007** | **03** Certificated for ISO 9001. (TUV Issued)
- 2010** | **03** Expanded main plant and moved to there.
- 2011** | **03** Increased capacity of melting furnace by 450kg
(for production and research of special material)
- 2013** | **02** Certificated for company of root technology,
certificated for professional company of parts
and material Established Company affiliated
research institute.
04 Made Agreement with the College of Engineering
of Kongju National University for academy
- industry cooperation
05 Minister of Commerce, Industry and Energy Awarded.
12 INO-BIZ Certified
- 2014** | **07** Made Agreement with the KOREATECH university
- industry cooperation.
07 CEPED MMC certified(DNV Issued)
- 2015** | **02** Patent issued (Heat resistance with good anti-corrosive
steel casting making process. No. 10-1649503)
03 The second factory specializes in special steel machining
and a Master Alloy R & D center established
(Land 4800 square meters, floor space of 600 square meters)
- 2016** | **01** R&D Project - Kitech
07 R&D Project with KCL- Small and Medium Business
Administration
09 MOU with KCL
09 Export Capability Strengthening Project
- Small and Medium Business Administration
10 Selected as an overseas private network business
- Small and Medium Business Cooperation.
11 Overseas purchasing conditional R & D project
- Korea National Ppuri Industry Center ; KPIC
11 Overseas purchasing conditional R & D project
- Small and Medium Business Administration





Factory Size

Main factory | Land 7,272 m² / floor space of 3,140 m²
 Second factory | Land 15,867 m² / floor space of 1,983 m²



Number of Employees

5 persons for management, 27 for production,
 2 for quality management; a total of 34 employees.





Machining center : CNC VM960L(2600*950mm)



Production Capability

- Monthly 300 ton
- Max product net weight : 2,500KG / EA(depend on product)

Main Products

■ Valves

Gate, Globe, Check, Ball, Butterfly, Plug, Rotary, Safety, Strainer

■ Pumps

Casing, Cover, Impeller

■ Machinery parts

Heavy machinery parts, Mine machinery parts, An incinerator parts

■ Vehicle parts

Automobile bracket, Parts for trains, Elevator parts



Material

Material	Spec-code	Typical Grade
Carbon steel	ASTM 216 ASTM 352 JIS G5101 JIS G5151	WCB, WCA, WCC LCB, LCA, LCC SC42, SC46, SC49 SCPH1, SCPH2
Low alloy steel	ASTM A217 JIS G5111	WC1, WC4, WC5, WC6, WC9, C12A SCMnCr2, SCMnCr3, SCMnCr4, SCMn1, SCMn2, SCMn3, SCMn5
Heat-resist	ASTM 297 JIS G5122	HC, HQ, HH, HE, HK30, HP SCH2, SCH11 SCH13, SCH17, SCH21, SCH24
Anti-corrosion	ASTM A351 JIS G5121	CF8(M), CF3(M), CN7M, Ck3MoCu, CF3MN SCS13(A), SCS14(A), SCS16(A), SCS19(A), SCS23
Anti-abrasive	ASTM A743 ASTM A352 JIS G5121	CA15, CA40, CA15M CA6NM SCS1, SCS2, SCS3
Ni Base	ASTM A494	N-1.2MM(HASTELLOY B), CW-1.2MM(HASTELLOY C), CZ-100, CY40(INCONEL), M35-1, M30C(MONEL), ALLOY 20(LINIS N08020)
Duplex (Austenite/Ferrite)	ASTM A890	CD4MCuN(1B) CD3MN(4A) CD3MoCuN(1C) CE3MN(5A) CE8MN(2A) CD3MWCuN(6A) CD6NM(3A)



Globe body



Wafer butterfly body



Grate bar



Elbow



Disc



Pump



Cavity ball



Hollow ball



Train parts



Mixer parts



Trim



Lug butterfly body



Main Facilities

No.	Facilities	Type	Quantity	Install date
1	High frequency furnace	1ton dual	1	2009.08
2	High frequency furnace	450kg	1	2012.09
3	Sand-mixer	1 ton	1	2006.11
4	Sand-mixer	600 kg	1	2003.08
5	Conveyer line	110 M	1	2007.01
6	Shot blaster	2.4*2.4*3.5M	1	2006.01
7	Shot blaster	2*2*3 M	1	2003.02
8	Shot blaster	1.5*1.5*2M	1	1997.08
9	Crane	7.5 ton	1	2010.01
10	Crane	5 ton	2	2010.01
11	Crane	1 ton	14	2010.01
12	Crane	3 ton	4	2010.01
13	Forklift	3 ton	1	2012.06
14	Forklift	5 ton	1	2007
15	Excavator	0.2 ton	1	2012.02
16	Gauging cutter	2000A	1	2012.02
17	Plasma cutter	10mm	1	2012.08

No.	Facilities	Type	Quantity	Install date
18	Arc welder	50kw	2	2012.09
19	CO ₂ Arc welder	650A	2	2012.05
20	Argon Arc welder	650A	1	2012.05
21	Mixer	75kg	1	1997
22	Shell molding device	-	1	1997
23	Ladle	3000kg	1	2012.09
24	Ladle	1000kg	1	2012.05
25	Ladle	500kg	1	1997.04
26	Ladle	300kg	1	2012.01
27	Ladle	150kg	1	2012.01
28	Chromite sand mixer	50kg	1	1997.08
29	Power substation	1700kw	1	2012.10
30	Water-cooling system	-	1	2012.05
31	Compressor	10/20/30/50 HP	1	2010.01
32	Machining center	VM960L (2600*950mm)	1	2015.01
33	Manual Lathe Machine	10 ϕ	1	2009.03



Main Laboratory

No.	Facilities	Type	Quantity	Install date	Maker
1	Spectrum analyzer	32ch	1	2012.07	OBLF(Germany)
2	Brinell hardness testing machine	KAD-202	1	2012.09	Jinil Tester
3	Impact testing machine	KSI30C	1	2012.09	Jinil Tester
4	Digital thermometer	SK-6850	1	2012.09	Jinil Tester
5	Molten metal temperature detector	1800°C	2	2015	Electro-nite (U.S.)
6	Universal testing machine (Hydraulic servo type)	50 ton	1	2007	Jinsung Hi-Technologies
7	Portable digital hardness tester	-	1	2011	Echo-Tech
8	Nitrogen Container for low tem. Impact test	-196°C	1	2016.09	-
9	NDE Test lot	3M x 3M x 3M	1	2016.05	-



OBLF GS1000 32ch
Spectrometer



Brinell hardness
tester



Impact
tester



50ton Universal
tester



Digital
thermometer



NDE
Test lot

Factory Pictures



Furnace (1Ton Dual)



Furnace (450kg)



Pattern house



Molding and Closing Line



Finishing Part



Brief Cast Making Process



Molding



Core making



Assembly



Chemical composition test



Pouring



Des



Scale



Cutting



Gauging cutting



Welding



Grinding



NDE Test lot



Environmental Management of Young Shine Special Steel

■ Service for local communities

Scholarship to unfortunate elementary students
Sponsorship and direct support to local elderly people

■ The venue of practice for local education

We give local students studying new material and metal engineering an opportunity to take a field trip, and help them learn and experience at firsthand. By doing so, we make our efforts to raising talented persons in local communities.

■ Development of Technologies and New Materials

In academia-industry cooperation of local college of engineering and KITECH researchers, we try to develop and apply new materials and new engineering techniques, and do the best to keep developing the business by attracting excellent researchers.



Certificates

ISO 9001, Factory Registration Certificate, Certificate of Corporate Research Institute,
Certificate of Parts Specialized Business,
Commendation of Minister of Commerce Industry and Energy,
Academia-Industry Cooperation Agreement, DNV - CE PED MMC, Patent





YSSPECIALSTEEL

The Best Solution For Castings!

YSSPECIALSTEEL

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