

The background of the entire image is a close-up, high-contrast photograph of numerous coiled steel cables. The cables are dark grey or black, with bright highlights reflecting off their metallic surfaces, creating a rhythmic, curved pattern across the frame.

**WOOSIN**

**WOOSIN STEEL Co., Ltd.**

Leading company for CHQ with best quality  
Trust company by clean business



# Greeting

WOOSIN STEEL was founded in 1994 in Seongseo Industrial Complex, Daegu, Korea under the name of WOOSIN KANGUP.

The Cold Heading Quality Wire produced by WOOSIN STEEL is used as the key material in the Cold Forming Process of bolts, nuts, shafts, pipes, and other components, which are the most basic and necessary part used in all industries.

Keeping in mind that the high quality of basic components is the key factor for the reliability and high performance of the main parts in the automobile and other industries, WOOSIN STEEL is committed to maintaining the best quality assurance system. The company pour its greatest effort into managing the raw materials, manufacturing processes, and final products.

WOOSIN STEEL is leading efforts to conserve the environment by acquiring high-efficiency, environmentally-friendly facilities and developing new manufacturing processes. It is also preparing for further innovations in the near future.

Based on its achievements over the last 20 years, WOOSIN STEEL is leaping toward its new future as Korea's Main manufacturer of basic components for the automobile, electricity, construction, and machinery industries for next century. We never allow ourselves to forget that our future depends on the trust and success of our clients.

**Your Trust and Success, Our Tomorrow**





| Misson

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# Your Trust and Success, Our Tomorrow.

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## Management Policy

Maximize clients' satisfaction by reliability  
management with challenge and change

## Our Vision

The best C.H.Q WIRE Company  
by best quality

# | HISTORY



WOOSIN STEEL

- ✓ 2000 . 3 : Founded WOOSIN STEEL  
(Sung-Seo Industrial Estate)
- ✓ 2004 . 9 : Relocated Yeongcheon Business Park
- ✓ 2004 . 12 : Certified ISO 9001
- ✓ 2013 . 11 : Relocated Yeongcheon Industrial Estate
- ✓ 2016 . 9 : Certified TS 16949
- ✓ 2017 . 10 : Certified ISO14001
- ✓ 2019 . 5 : Certified IATF 16949
- ✓ 2019 . 6 : Certified JIS G 3507-2



# | Area




**Total : 21,487 m<sup>2</sup> (5.3 acre)**

**Main building : 1,388 m<sup>2</sup> (0.3 acre)**

**Surface treatment building: 1,057 m<sup>2</sup> (0.26 acre)**

**Wire drawing / Heating treatment building : 6,942 m<sup>2</sup> (1.7 acre)**



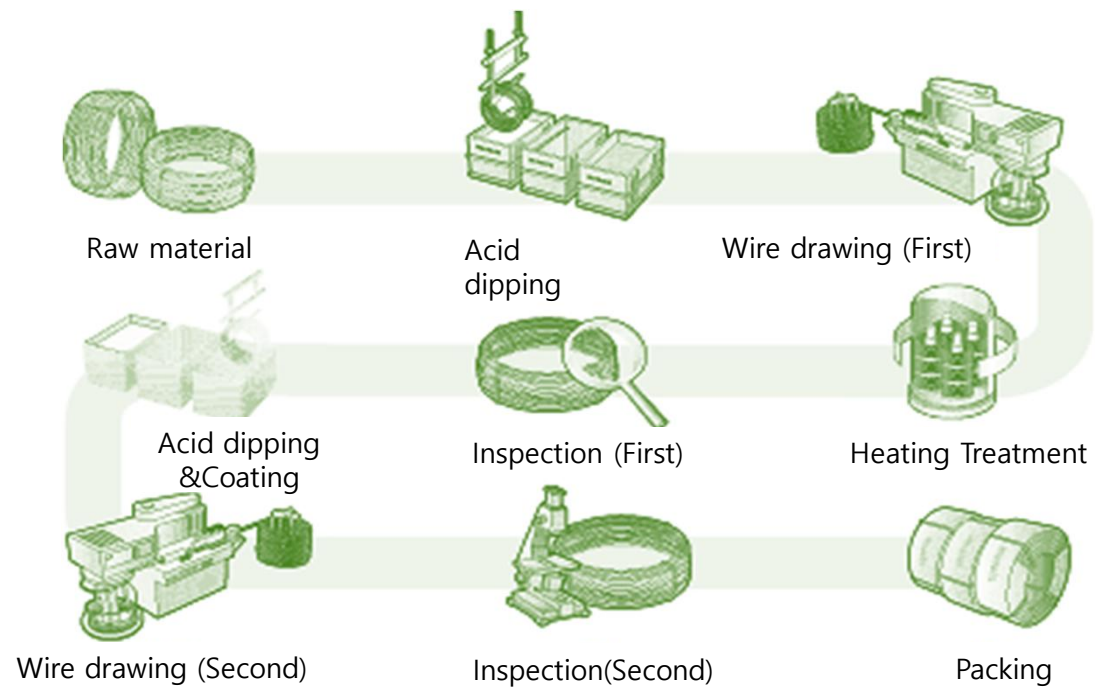
# | CHQ WIRE

## Cold Heading Quality Wire

- 
- CHQ Wire : A wire for cold heading or cold forging
  - CHQ wires is key raw material in the cold forming process of bolts, nuts, and etc., which are the most basic and necessary part in all industries.
  - CHQ wires distinguish heating and non-heating treatment wires, however, heating treatment wire extents for high quality.
-



# CHQ Wire Process



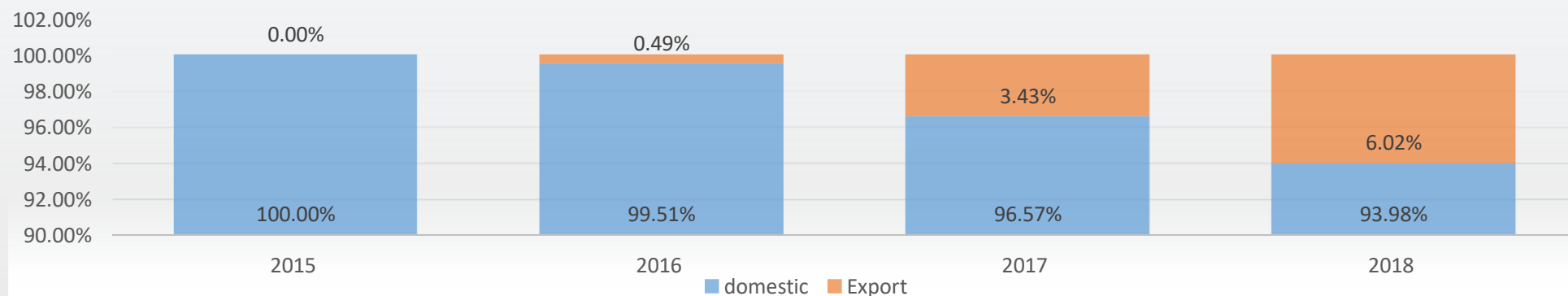
# Sales Performance Status

(\$1/₩1,100, Million)

Year	Sale Weight (Ton)			Sale (\$)	Revenue (\$)
	Domestic	Export	Total		
2015	27,665	-	27,665	27.342	0.679
2016	33,045	163	33,208	32.021	1.021
2017	37,475	1,333	38,808	38.884	1.223
<b>2018</b>	<b>44,970</b>	<b>2,880</b>	<b>47,850</b>	<b>46.661</b>	<b>1.467</b>

## ❖ GOALS

- Annually around 20% growth
- Export rate growth twice than previous year



WOOSIN STEEL



# | Equipment Status

## Wire Drawing Unit

Max Capa. (year) :120,000T



(unit: mm, each)

	Approx.	Installed	Will install	After installed
Wire Drawing	Under 55.0	1		1
	27.0~45.0	1		1
	16.0~27.0	1		1
	11.0~16.0	2		2
	8.0~11.0	1		1
	5.5~8.0	2		2
	Under 5.5	2	1	3
	Total	10	1	11

# Surface Treatment Unit

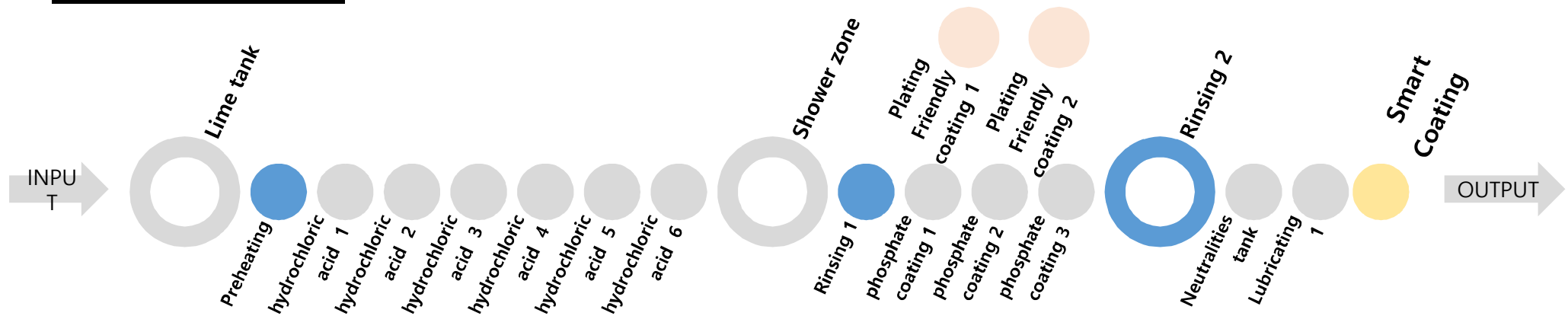
Max Capa. (year) :88,000T



- ✓ Concurrent treatment
- ✓ Control coating thickness
- ✓ Operate eco-friendly coating system  
for safety and environmental  
improvement



Surface Treatment Lay-out





# Heating Treatment Unit

Max Capa. (year) :59,880T



Heating Treatment Unit	Bell Type		Batch Type (STC)
Capacity	7 Ton/charge	6 Ton/charge	32 Ton/charge
# unit	3	2	5
Total Capacity (ton/month)	630	360	5,000
Characteristic	Small quantity batch production Limited operation time (Night time electricity)		Large quantity production High productivity

# Main Coating Products



- ✓ Bonderizing Coating
  - Common Coating Method
- ✓ Smart Coating
  - Call by Polymer Coating
- ✓ Non-Bonderizing Coating
  - Plating-Friendly Coating

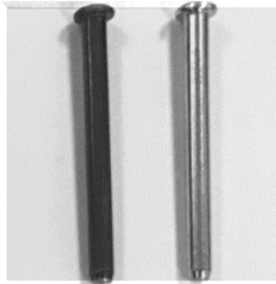
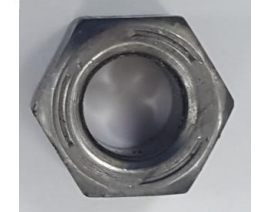


		Bonderizing Coating	Smart Coating
Forge Ability		Good	Better
Dust		Few	None
Precision		Good	Better
Efficiency		Average	High
Life Time	Forge oil	Good	Better
	tool	Good	Better

- ❖ Plating-Friendly Coating
  - For High strength Bolts (over 10T)
  - Take advantage for Plating and Painting
  - Will saving time in Plating and Painting process



# Smart Coating Products



WOOSIN STEEL

# Smart Coating Products

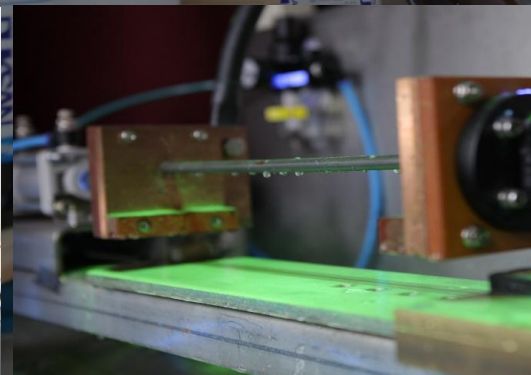


WOOSIN STEEL



# Inspection equipments

Equipments	EA
Microscope	2
Hardness tester (Rockwell)	2
Tension Test Equipment	3
Coating Weight Measuring Room	
Magnetic Particle Test Equipment	1
Componential Analysis Equipment	1





# Certifications

## CERTIFICATE OF REGISTRATION

This certifies that the Quality Management System of

WOOSINSTEEL CO., LTD. 우신스틸

120, Yeongcheonsandan-ro, Geumho-eup, Yeongcheon-si, Gyeongsangbuk-do  
Korea/경상북도 영천시 금호읍 영천산단로 120/38899

has been audited in accordance with  
the Rules for registration scheme for ISO/TS16949:2009  
and found to be in conformance to the following standard:

ISO/TS16949:2009

Scope of Registration

Manufacture of Cold Heading Quality Wire/냉간압조용 선재의 제조

Exclusions: Product Design

Registration Date: Sep 23, 2016

Expiration Date: Sep 14, 2018

IATF Certificate No: 0248205

CASC Certificate No: 2016A385



General Manager:

Tao Jinlong

China Jiuding Automotive Supplier Certification Co., Ltd.  
Floor 18, Zhongren Building, Jia10, Chaowai Street, Chaoyang District, Beijing P.R.China



This certificate is the property of CASC and must be returned upon request. To keep the valid of registration, Surveillance Audit for conformance is mandatory. To visit at [www.casc-cert.com](http://www.casc-cert.com) and [www.iatfglobaloversight.org](http://www.iatfglobaloversight.org) to verify registration.

Version: A

Revision Date: None

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## QUALITY MANAGEMENT SYSTEM CERTIFICATE

We certify that the Quality Management System of the Organization:

Registration no:

CA-Q-04214

Woo Shin Steel Co., Ltd.

(주)우신스틸

Address:

120, Yeongcheonsandan-ro, Geumho-eup, Yeongcheon-si, Gyeongsangbuk-do, Korea

경상북도 영천시 금호읍 영천산단로 120

Is in compliance with the standard:

KS Q ISO 9001:2009/ISO 9001:2008

For the following products/services:

Processing and heat treatment of wire for automobile and industry

자동차 및 산업용 와이어 가공 및 열처리

EA: 17

Maintenance of the certification is subject to continual surveillance audit and dependent upon the observance of CERMET ASIA's certification criteria.  
본 인증은 정기적인 인증자력평가기관의 준수 및 지속적인 사실성사실 통제에 유지됩니다.

Refer to quality manual for details of exclusion of ISO 9001:2008 requirements.  
ISO 9001:2008 요구사항의 제외 조항은 품질 매뉴얼을 참고하십시오.

Certificate issuance date 2004-12-03

Last modification date 2013-11-19

Certificate expiry date 2016-12-02

General Manager

Seung-Chan Lee

Seung



CERMET ASIA L.M.

영문명: 대시이엠

T06, 5-1 Technopolis, 278, Beakheon-ro, Geumcheon-gu, Seoul, Korea  
153-769 서울특별시 금천구 가락로 278 5층 506호



Tel +82. 2. 3387. 0151 URL: [www.cermet.co.kr](http://www.cermet.co.kr)  
Fax +82. 2. 3387. 0155 E-mail: [info@cermet.co.kr](mailto:info@cermet.co.kr)



## GERMAN CERT Environmental Management System Certificate

(주)우신스틸

경상북도 영천시 금호읍 영천산단로 120

적면시트 주식회사는 위 회사의 심사규격과 인증범위가 아래의 환경경영시스템  
요구사항을 모두 충족하고 있음을 검증하고 인증 등록을 승인하였습니다.

ISO 14001:2015

인증범위

자동차 및 산업용 와이어 가공 및 열처리

인증번호 : KorE-175661

최초 인증일 : 2017년 10월 27일

인증 갱신일 : 2017년 10월 27일

인증 만료일 : 2020년 10월 26일

Daek Wooki

Scheme Manager



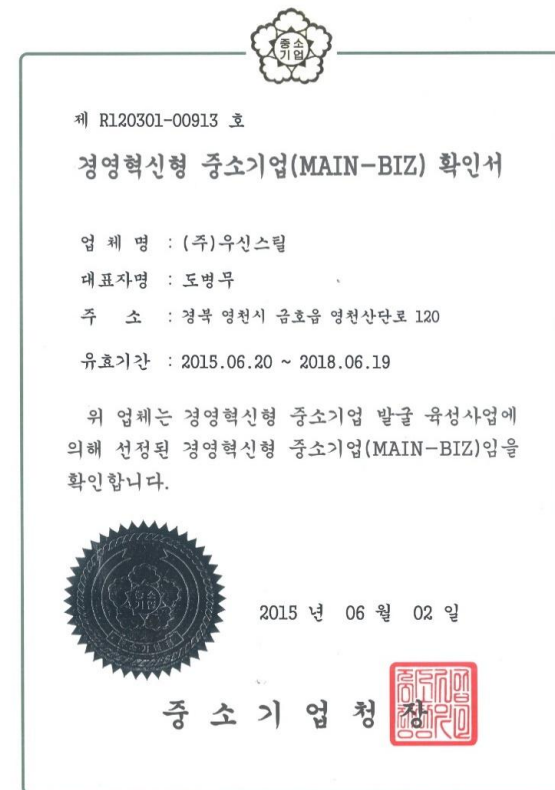
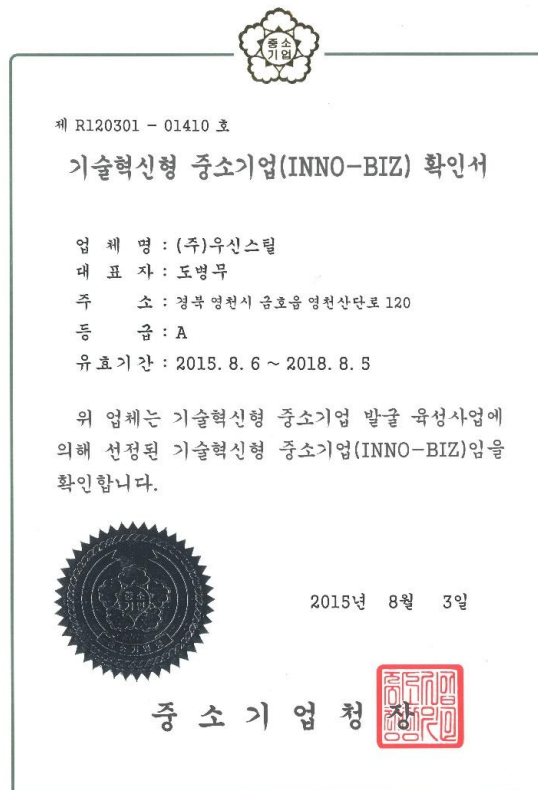
Deutsche  
Akreditierungsstelle  
D-28189 Bremen



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# Certifications







Not end now,  
Start now ...

| THANK YOU |