

Republic of Korea

**BUGOK**  
STEINESS CO.,LTD

2021



**BUGOK** STAINLESS CO.,LTD

[www.bugokst.kr](http://www.bugokst.kr)

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### Pohang Factory

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Republic of Korea

ISO  
9001

ISO  
14001

INNOBIZ  
기술혁신형중소기업



기술과 품질, 그리고 고객감동 부곡스텐레스(주)는 고객과 더불어  
글로벌 기업으로 거듭 발전해 나가겠습니다.



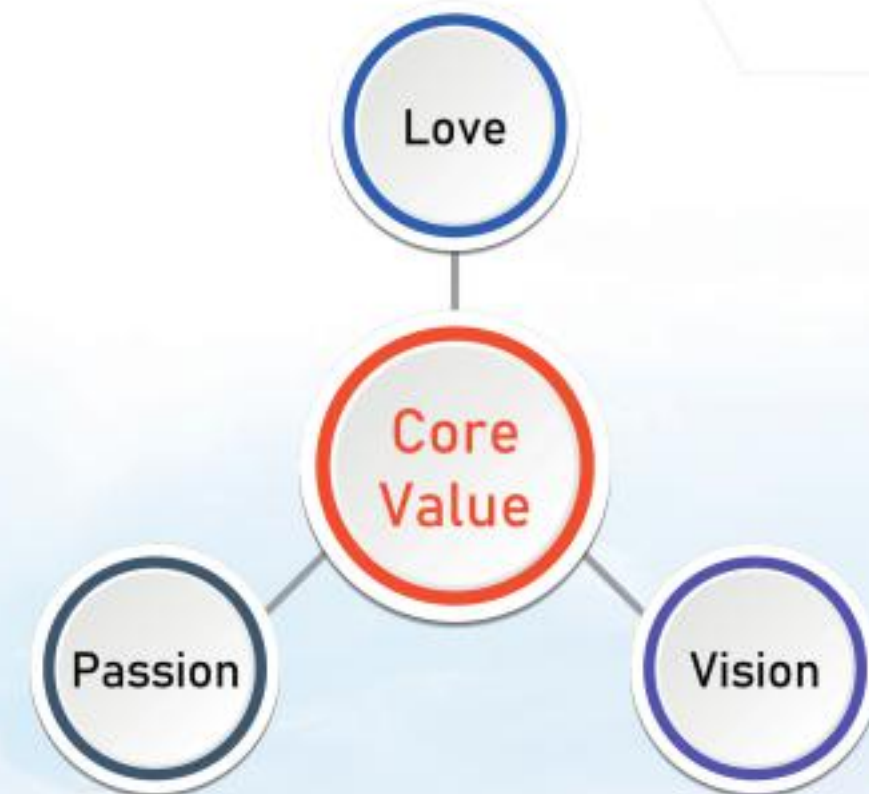
# History

- 1983** • Established BUGOK STAINLESS CO.,LTD
- 2005** • Acquired ISO 9001:2008
- 2006** • Acquired "Specialized company for raw material & Component"
- 2009** • Agreement for Industrial-Academic Partnership with Pukyong National University
- 2010** • POSCO Family Company agreement
- 2012** • Agreement for Industrial-Academic Partnership with Pusan National University
- 2013** • - Enterprise construction R&D Center Authorization  
- Acquired "venture Company" CE PED MM Certified
- 2017** • Inno-Biz certificate(Innovation-Business Company)
- 2018** • - Manufactory Movement and Facilities Extension  
- KIMS Family Company
- 2019** • Moved main office and Received the award of the export tower of a million dollar
- 2020** • Received the Prime Minister's Award for Quality Innovation by the Korean Chamber of Commerce and Industry



# Management Philosophy

**BUGOK STAINLESS Company**, a supplier of industrial material, recognizes the importance and impact that base materials have on industries. It strives to play a role that extends beyond being a simple components manufacturer to become customers' lifetime partner.





## Products



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# Tube&Pipe

## Tube/Pipe

BUGOK manufactures high quality seamless pipe & tubes. We concert every force to install a collection of systems for production and service to meet the customers' demands and to ultimately satisfy the customer's needs.

### Handling Steel Grade

Stainless 300 series
Stainless 400 series
Duplex
Titanium
Incoloy / Inconel
Hastelloy
Cu-Ni Alloy
Alloy
Carbon
Others



### Manufacturing Size Range

OD  $\Phi 1 \sim \Phi 250$  (tube) WT 0.1T ~ 10T (tube) L ~30m (S), ~300m (Coil)

### ISO Tolerance

Cylinder	$\Phi$ , mm	1.6 -2.9	3.0 -5.9	6.0 -9.9	10 -17	18 -29	30 -49	50 -79	80 -119	120 -179	180 -249	250 -314	315 -399	400 -500
	H7	+9 +0	+12 +0	+15 +0	+18 +0	+21 +0	+25 +0	+30 +0	+35 +0	+40 +0	+46 +0	+52 +0	+57 +0	+63 +0
	H8	+14 +0	+18 +0	+22 +0	+27 +0	+33 +0	+39 +0	+46 +0	+54 +0	+63 +0	+72 +0	+81 +0	+89 +0	+97 +0
	H9	+25 +0	+30 +0	+36 +0	+43 +0	+52 +0	+62 +0	+74 +0	+87 +0	+100 +0	+115 +0	+130 +0	+140 +0	+155 +0
	H10	+40 +0	+48 +0	+58 +0	+70 +0	+84 +0	+100 +0	+120 +0	+140 +0	+160 +0	+185 +0	+210 +0	+230 +0	+250 +0
	H11	+60 +0	+75 +0	+90 +0	+110 +0	+130 +0	+160 +0	+190 +0	+220 +0	+250 +0	+290 +0	+320 +0	+360 +0	+400 +0

# Tube

# Special Shaped Tube

Tube/Pipe

Bar

Special Order

Application / Certification

Manufacturing Process

Inspection Equipment

Fellow Industry & Product Board

Vision 2023



Tube/Pipe

Bar

Special Order

Application / Certification

Manufacturing Process

Inspection Equipment

Fellow Industry & Product Board

Vision 2023





## Bar

BUGOK manufactures high quality special shaped bar products. We concert every force to install a collection of systems for production and service to meet the customer's demands and to ultimately satisfy the customers' needs.

### Handling Steel Grade

Stainless 300 series
Stainless 400 series
Duplex
Titanium
Incoloy / Inconel
Hastelloy
Cu-Ni Alloy
Alloy
Carbon
Others



### Manufacturing Size Range

H ~ 100

L ~ 10m

### ISO Tolerance

Rod	Φ, mm	1.6 ~2.9	3.0 ~5.9	6.0 ~9.9	10 ~17	18 ~29	30 ~49	50 ~79	80 ~119	120 ~179	180 ~249	250 ~314	315 ~399	400 ~500
	h8	+0 -14	+0 -18	+0 -22	+0 -27	+0 -33	+0 -39	+0 -46	+0 -54	+0 -63	+0 -72	+0 -81	+0 -89	+0 -97
	h9	+0 -25	+0 -30	+0 -36	+0 -43	+0 -52	+0 -62	+0 -74	+0 -87	+0 -100	+0 -115	+0 -130	+0 -140	+0 -155
	h11	+0 -60	+0 -75	+0 -90	+0 -110	+0 -130	+0 -160	+0 -190	+0 -220	+0 -250	+0 -290	+0 -320	+0 -360	+0 -400
	f7	-6 -16	-10 -22	-13 -28	-16 -34	-20 -41	-25 -50	-30 -60	-36 -71	-43 -83	-50 -96	-56 -108	-62 -119	-68 -131
	f8	-6 -20	-10 -28	-13 -35	-16 -43	-20 -53	-25 -64	-30 -76	-36 -90	-43 -106	-50 -122	-56 -137	-62 -151	-68 -165





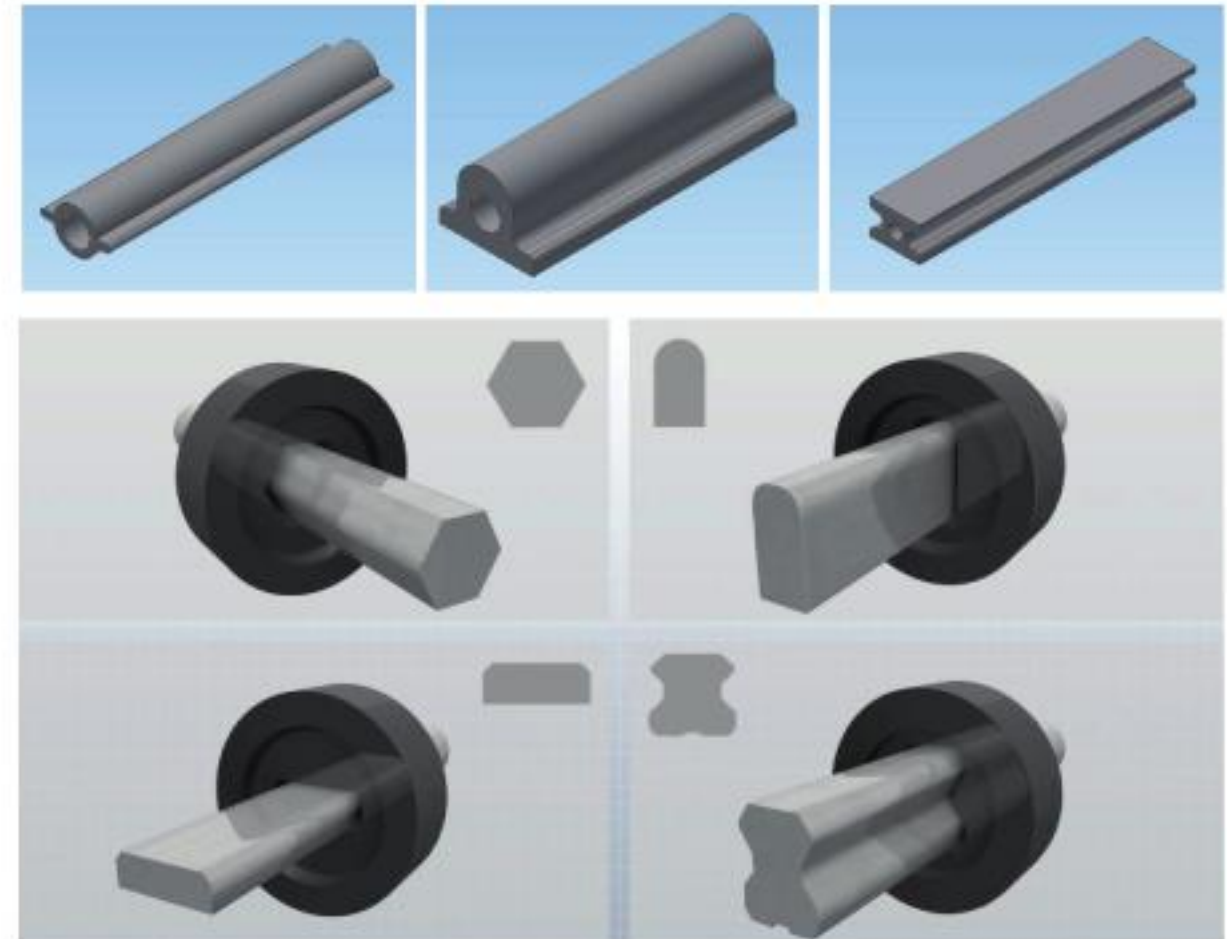
# Bar

# Special & Customized

## Special & Customized

BUGOK manufactures special shaped bar based on customers' needs.

- 1) Customer's inquiry (Steel Grade, Dimension, Tolerance, Mechanical & Chemical spec)
- 2) Based on CAE Analysis, Examine produceableness.
- 3) Manufacture prototype.
- 4) Inspection & Calibration
- 5) Manufacturing



Tube/Pipe

Bar

Special Order

Application / Certification

Manufacturing Process

Inspection Equipment

Follow up delivery & Product data

Vision 2023

Tube/Pipe

Bar

Special Order

Application / Certification

Manufacturing Process

Inspection Equipment

Follow up delivery & Product data

Vision 2023



# Application

## Application

Products of BUGOK has been used for various industries such as machinery and electronic parts, engine valves, shipbuilding and power facilities.



# Certification & Patent

## Certification & Patent

### Certification



### Patent

- 2012 Drawing Machine Equipped Metal Materials cleaning unit
- 2012 Fittings Manufacturing Methods using irregular Shaped hollow Material
- 2013 Pilger rolling Process of hollow internal oil removal device
- 2013 Irregular Shaped hollow material and its manufacturing method
- 2014 Drawing Manufacturing method for preventing Material transformation and drawing apparatus with moving holder
- 2014 Method of Manufacturing a stainless-Steel Material using apparatus with roller and pullout die
- 2017 Method of Manufacturing a electro plating pipe
- 2017 Manufacturing method of multi-layered pipe for seamless steel pipe with low weight and high strength
- 2017 Guide apparatus for inputting material to heat treatment





# Manufacturing Process

## Manufacturing Process



1. RAW Material
2. Inspection
3. Pilger cold rolling / Cold drawing
4. Cleaning
5. Heat treatment
6. Straightening
7. Inspection (ECT)
8. Cutton
9. Packing



# Inspection Equipment

## Inspection Equipment



Handheld XRF Analyzer



Hybrid Spectrometer for metal



Cutting machine



Polishing



Mounting Pressing



Tensile, Flattening Tester



Metallurgical microscope



3D measuring machine



Hardness Tester



Surface Roughness Tester



Eddy Current Tester



Hydrostatic Tester



# Fellow subsidiary

## Fellow subsidiary & Product Brand

### BK Metal Co.



It provides bridges for IT enabled and automated transition from traditional metal forming process. For the fundamental manufacturing environment innovation, we concert every force to improving the process of root industry. Our goal is that changing the root industry, which has been recognized as a 3D working environment, to be ACE(Automatic, Clean, Easy) working environment.

### Masterion



Brand for Structured material of high quality high quality, high precision, high pure steel.



### XONIST



Brand for material adjacent to daily life.

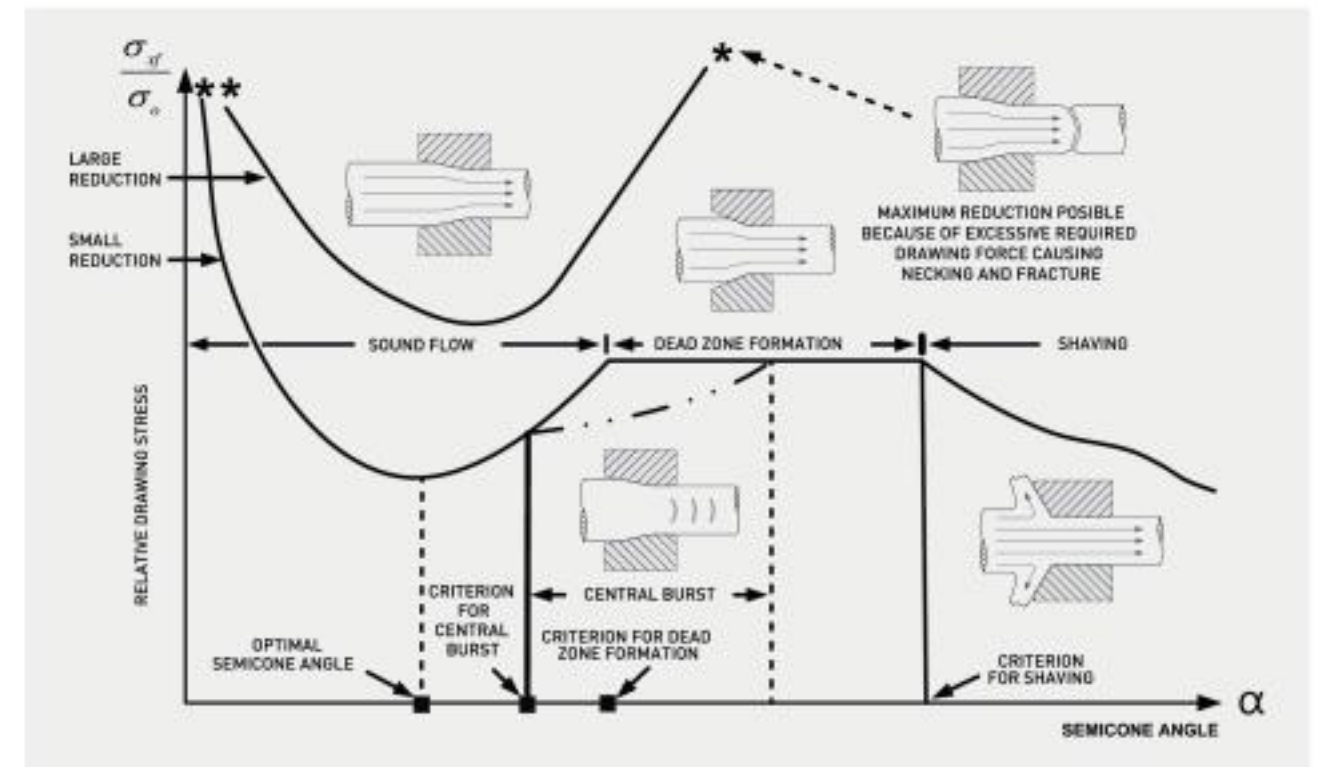
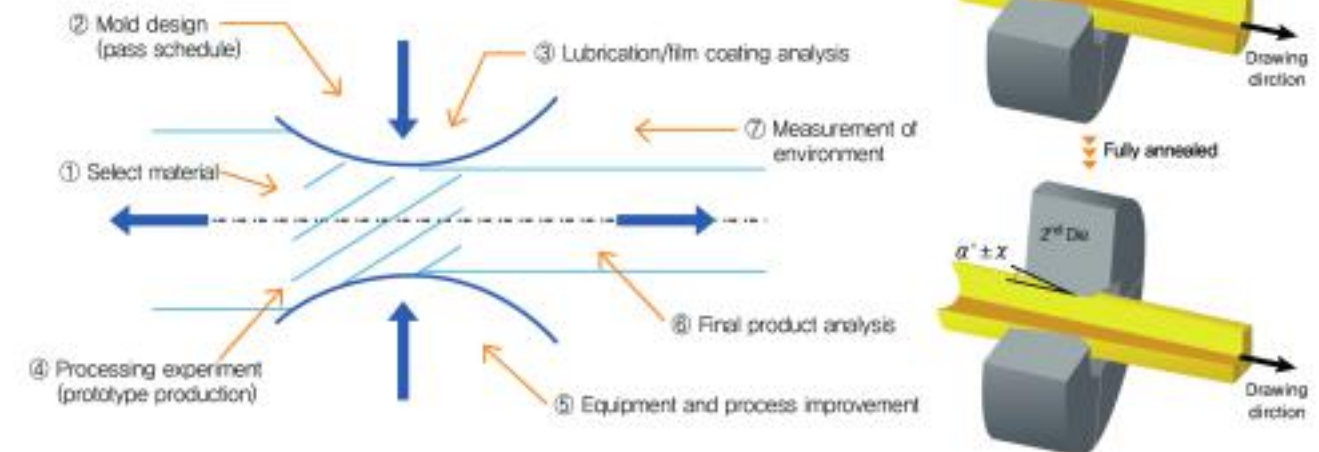


# Product Brand

### Rhinox Co.,LTD



RHINOX Co.,LTD, a R&D agency service company, is providing total solution of cold metal forming. From the material choice to manufacturing, we execute research for small companies which don't have the laboratory and ability to develop.





# Vision 2023

BUGOK 40th Industry 4.0



2018.12.

Busan Factory Movement Planning (to Mieum Industrial Complex)  
Extension of Manufacturing Facilities

## VISION 2023 Keyword

### SMART

#### Specialty

Aim for the best and specialty

#### Material

Supply various material as customer needs

#### ACE

Automatic, Clean, Easy

#### Root Industry

Serving every industrial division

#### Technology

Devotes to develop the technology