

HANDU STEEL

COLD DRAWN STEEL TUBE

<http://www.handu.co.kr>

GLOBAL NO.1

Automotive & Mechanical Uses



HAN

HAN HANDU STEEL

23-201, JoongAng Steel Complex, 46, Siheung-daero,
Geumcheon-gu, Seoul, 08654, Korea
TEL +82-2-895-3073 FAX +82-2-808-1172
Business Part (info@handu.co.kr)

HANDU STEEL

ERW Tube

Cold Drawn
Steel Tube

Automotive &
Mechanical Uses

HANDU STEEL

CONTENTS

- 03 GREETING
- 04 HISTORY
- 06 BUSINESS FIELDS
- 08 APPLICATIONS
- 10 ERW PLANT
- 12 COLD DRAWN TUBE PLANT
- 16 POST PROCESSING FOR AUTOMOTIVE PARTS
- 18 GLOBAL NETWORKS

GREETING

Since the establishment in 1993, Handu Steel Co., Ltd. came to stand up as a company recognized for top quality brand not only domestically but also in overseas by steadily devoting itself to cold drawn tube production for automobile and machine structural use.

By direct supply of with steel mills like POSCO and HYUNDAI STEEL, We've secured the best quality and competitiveness with synergy effect through total production system in materials pipes to cold drawn tube production and post component processing with systematic operation.

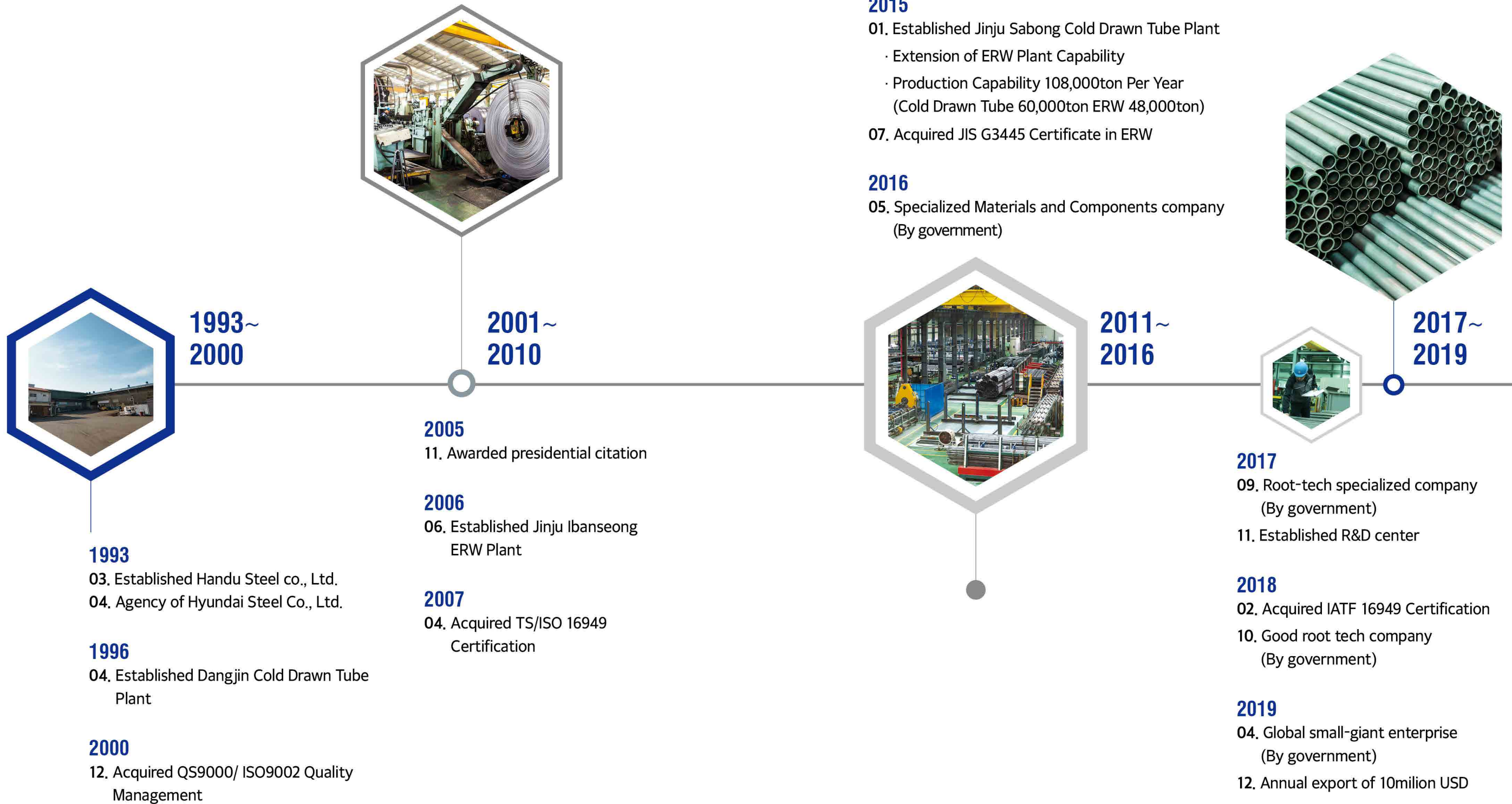
In Jinju Ibanseong Plant, where we produce our own materials pipes.

Dangjin and Sabong Plant have 60,000 ton's capacity for cold drawn tube production per year and we have another processing facilities for automotive parts.

Therefore, we will do our best to secure high quality for precision cold drawn tubes, low cost basis and delivery assurance and become the best cold drawn tube company in the world.

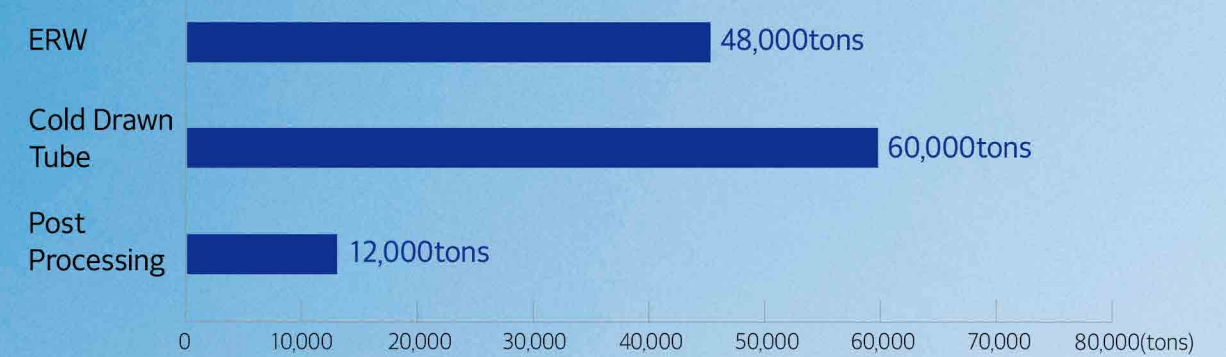
Thank you.

HISTORY



Cold drawn tube production manufacturer,
Handu Steel Co., Ltd., provides top competitiveness
and best possible service to the customers
by building Total System,
from the best quality pipe material production
to precise cold drawn steel pipe production and
Post processing parts for automotive, through direct
supply of drawing exclusive materials
from steel mills like POSCO and HYUNDAI STEEL.

Capacity(Yearly)



Total Production System

ERW pipe production

Precise cold drawn tube production

Post processing for automotive parts



HANDU STEEL
INTRODUCTION VIDEO

APPLICATIONS

Automotive parts



Cylinder Tube



Shock absorber



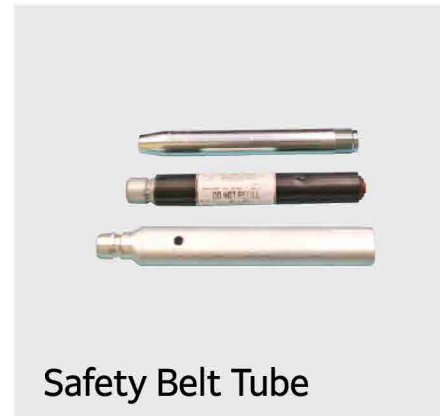
Rack tube



Steering Tube



Bush



Safety Belt Tube



Cam Shaft

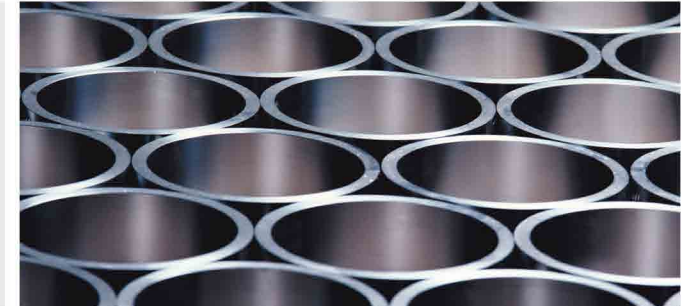


Propeller Shaft

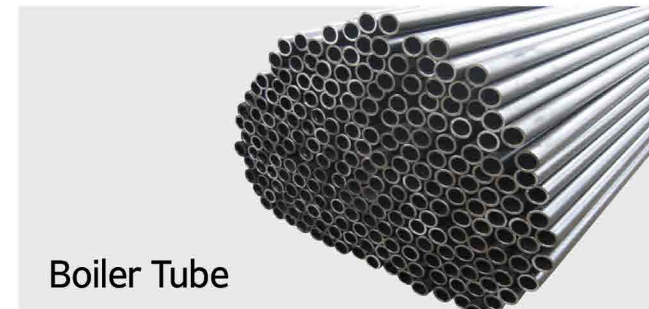


Refrigerant Body

Hydraulic Cylinder Tube



Heat Exchanger Tube



Boiler Tube

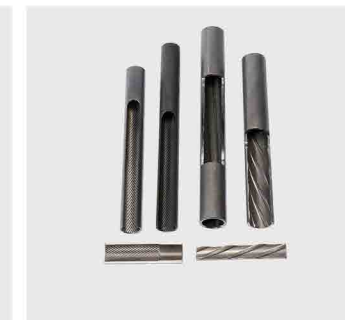


Heat Exchanger Tube

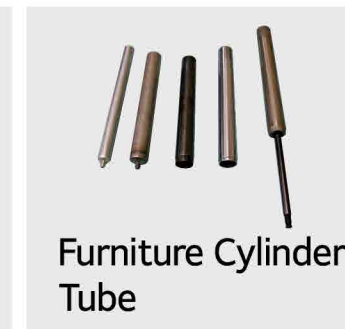
Others



Hydraulic Coupler



Bobbin



Furniture Cylinder Tube



ERW PLANT

Jinju Ibanseong Plant



Products

- 1 Tubes for Machine Structural Purposes
- 2 Mother Tube of Cold Drawing
- 3 Tubes for General Structural Purposes

Range

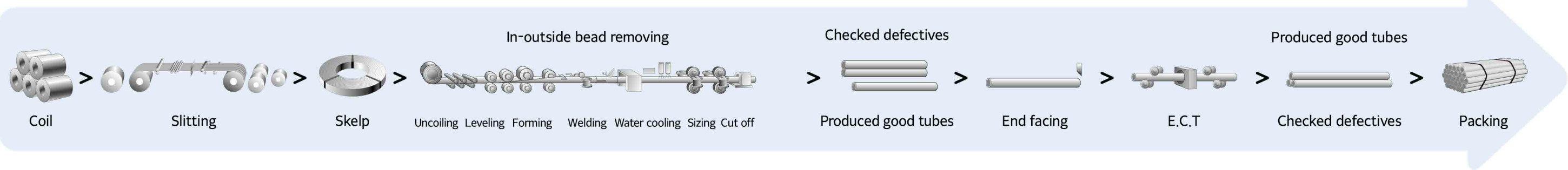
PIPE's external diameter	Thickness									
	1.6	2.0	2.9	3.5	4.0	5.0	5.5	6.0	6.5	6.8
Ø 21.7										
Ø 25.4										
Ø 27.2										
Ø 31.8										
Ø 34.0										
Ø 38.1										
Ø 41.5										
Ø 42.7										
Ø 48.6										
Ø 54.0										
Ø 60.5										
Ø 70.0										
Ø 74.6										
Ø 76.3										
Ø 89.1										

Electric Resistance Welded Carbon Steel Tubes for Automobile Structural Purposes

KS D 3598

Type	Code	Chemical Composition (%)					Tensile Test			Flaring Test	Flattening Test	Bend Test	
		C	Si	Mn	P	S	Tensile Strength N/mm ² (kg/mm ²)	Yield Point and Yield Strength N/mm ² (kg/mm ²)	Elongation(%) Test Piece 11 Test Piece 12 Longitudinal	Size after Pressed and Flattened (D is the outer radius of a pipe)	Distance from the Plane Table (H) (D is the outer radius of a pipe)	Bend Angle	Internal Radius (D is the outer radius of a pipe)
G	STAM 290GA	0.12↓	0.35↓	0.60↓	0.035↓	0.035↓	294↑(30↑)	177↑(18↑)	40↑	1.25D	1/2D	180°	4D
	STAM 290GB	0.12↓	0.35↓	0.60↓	0.035↓	0.035↓	294↑(30↑)	177↑(18↑)	40↑	1.25D	1/2D	180°	4D
	STAM 340G	0.20↓	0.35↓	0.60↓	0.035↓	0.035↓	343↑(35↑)	196↑(20↑)	35↑	1.20D	2/3D	90°	6D
	STAM 390G	0.25↓	0.35↓	0.30 ~ 0.90	0.035↓	0.035↓	392↑(40↑)	235↑(24↑)	30↑	1.20D	2/3D	90°	6D
	STAM 440G	0.25↓	0.35↓	0.30 ~ 0.90	0.035↓	0.035↓	441↑(45↑)	304↑(31↑)	25↑	1.15D	3/4D	90°	6D
	STAM 470G	0.25↓	0.35↓	0.30 ~ 0.90	0.035↓	0.035↓	471↑(485↑)	324↑(33↑)	22↑	1.15D	3/4D	90°	8D
	STAM 500G	0.30↓	0.35↓	0.30 ~ 1.00	0.035↓	0.035↓	500↑(51↑)	353↑(36↑)	18↑	1.15D	7/8D	90°	8D
H	STAM 440H	0.25↓	0.35↓	0.30 ~ 0.90	0.035↓	0.035↓	441↑(45↑)	353↑(36↑)	20↑	1.15D			
	STAM 470H	0.25↓	0.35↓	0.30 ~ 0.90	0.035↓	0.035↓	471↑(48↑)	412↑(42↑)	18↑	1.10D			
	STAM 500H	0.30↓	0.35↓	0.30 ~ 1.10	0.035↓	0.035↓	500↑(51↑)	431↑(44↑)	16↑	1.10D			
	STAM 540H	0.30↓	0.35↓	0.30 ~ 1.10	0.035↓	0.035↓	539↑(55↑)	481↑(49↑)	13↑	1.05D			

Process



COLD DRAWN TUBE PLANT

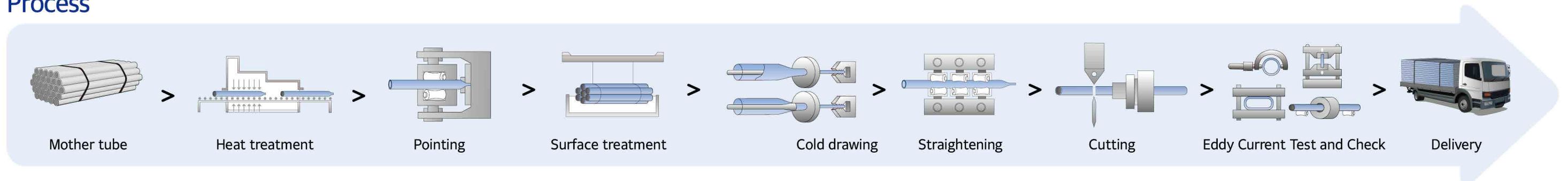
Dangjin Plant



Jinju Sabong Plant



Process

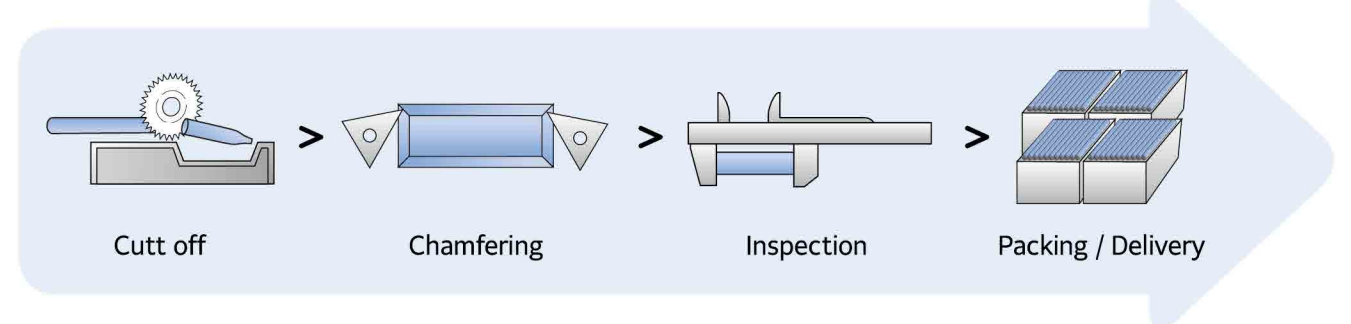


POST PROCESSING FOR AUTOMOTIVE PARTS

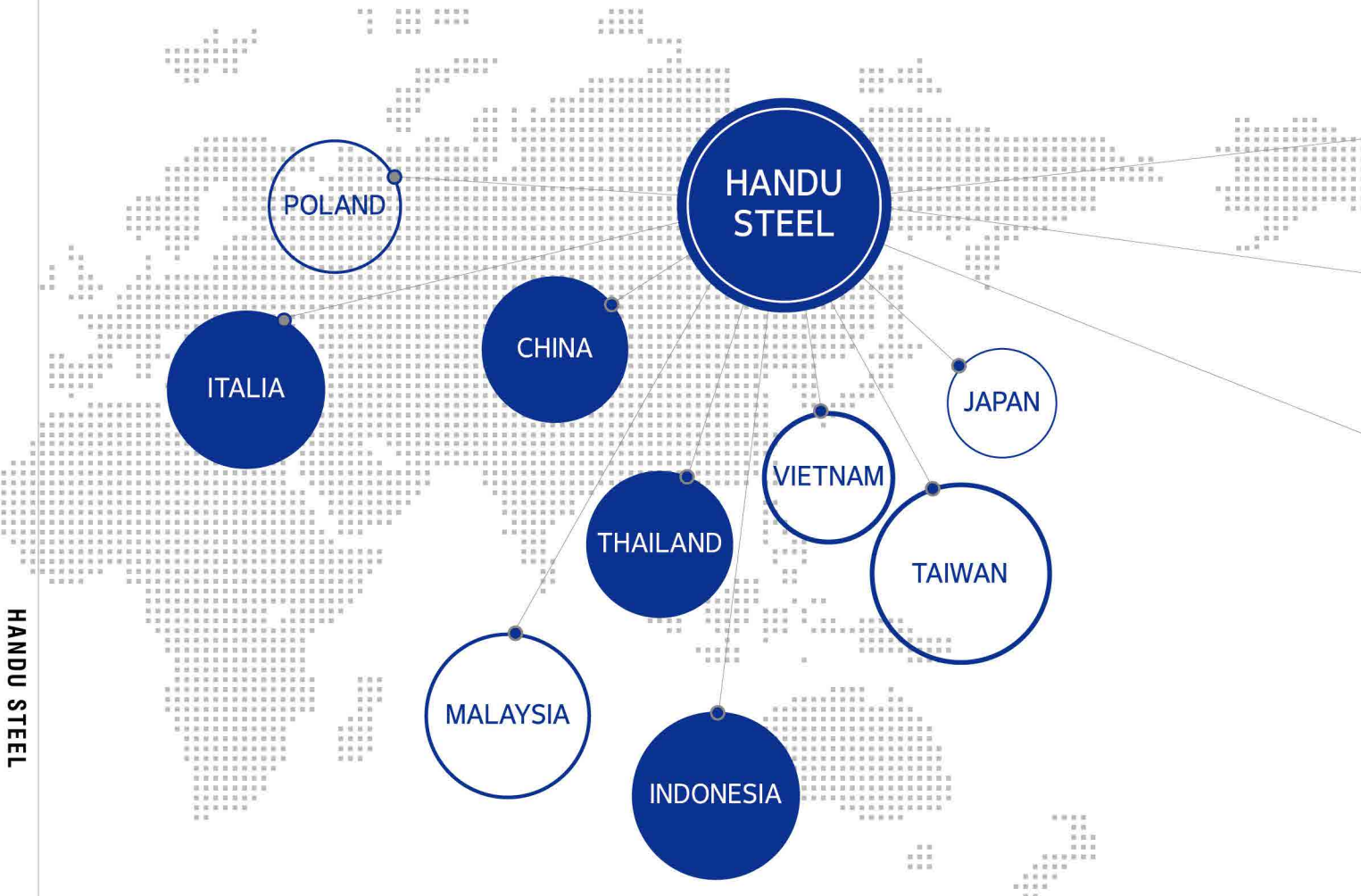
Processing Equipment



Process



GLOBAL NETWORKS



Sketch Map

Head office

23-201, JoongAng Steel Complex, 46,
Siheung-daero, Geumcheon-gu, Seoul,
08654, Korea
TEL +82-2-895-3073
Business Part (info@handu.co.kr)

Dangjin Plant(Cold Drawn Tube)

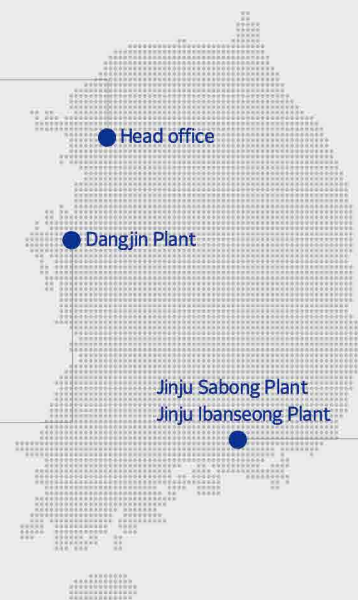
15-132, Jobisil-gil, Songak-eup, Dangjin-si,
Chungcheongnam-do, 31735, Korea
TEL +82-41-363-5100

Jinju Sabong Plant (Cold Drawn Tube)

42, Saneopdanji-ro 44beon-gil
Sabong-myeon, Jinju-si, 52611,
Gyeongsangnam-do, Korea
TEL +82-55-761-7801

Jinju Ibanseong Plant(ERW)

49, Jinma-daero 2498 Beon-gil,
Ibanseong-myeon, Jinju-si, 52615,
Gyeongsangnam-do, Korea
TEL +82-55-757-8911



Global No.1

Handu steel company is trying our best again today with the goal of becoming 'Global No.1, the best company in the cold drawing industry!'