

### Company

Kwang Sung Steel Pipe Co., Ltd. is a precision cold-drawn steel tube manufacturer established in 1972.

At Kwang Sung Pipe, we have a broad range of production capabilities to draw ERW and SMLS steel tubes of small and large diameters, producing high-quality drawn steel tubes by realizing the mechanical characteristics of clients' demands.

With over 50 years of accumulated experience in solid drawing and stringent quality assurance, Kwang Sung Steel Pipe has been supplying precision cold-drawn steel tubes to all major industries locally and abroad, including tubes for automobile steering and suspension systems, hydraulic and pneumatic cylinders for heavy construction and farming equipment, and aluminum winding bobbins.

Based on such core capabilities, we are expanding our supply chain by adding parts post-process to the existing drawn materials business at a more competitive price range.

Kwang Sung Steep Pipe promises to meet customers' expectations locally and abroad through consistent technological development and facility investment based on our outstanding product quality.





#### **Certificate**







IATF 16949

ISO 9001

ISO 14001

#### **A Place of Business**

Headquarters - Manufacturing plant
148-36 Haeseongsaneop-ro Seongye

148-36, Haeseongsaneop-ro, Seongyeon-myeon, Seosan-si, Chungcheongnam-do, Republic of Korea

TEL +82-41-666-3601 / FAX +82-41-666-3606

Hwaseong si - Sales branch 804, StarBD, 11, Sunoeul 2-ro, Hwaseong-si, Gyeonggi-do, Republic of Korea TEL +82-31-499-1127 / FAX +82-31-499-1129

Canada - Sales branch and warehouse
Unit 6, 3610 Odyssey Drive, Mississauga Ontario Canada L5M 0Z9



# History

1972

1972.10. Kwang Sung Steel Company Found (Yeongdungpo-gu, Seoul)

1992

1992.03. Si-Hwa Industrial Factory Relocation

1992.05. Kwang Sung Steel Company Co., Ltd. Cooperate conversion and name change

2002

2002.06. ISO9001 & QS9000 certificate acquisition

> ШШ

2007

2007.01. IATF16949 (ISO/TS16949) certificate acquisition

2009

2009.04. Canada branch office establishment

2010

2010, 10, Coalition with Kwang Sung Tech Co., Ltd. (S.M Steel Co., Ltd. Before name change)

(0) 考省省世代(年)

808888

2013

2013, 06, ISO 14001 certificate acquisition 2020

2020, 02,

Hydraulic and

Pneumatic cylinder line

factory construnction

2016

2016, 10. Seosan Factory expansion relocation

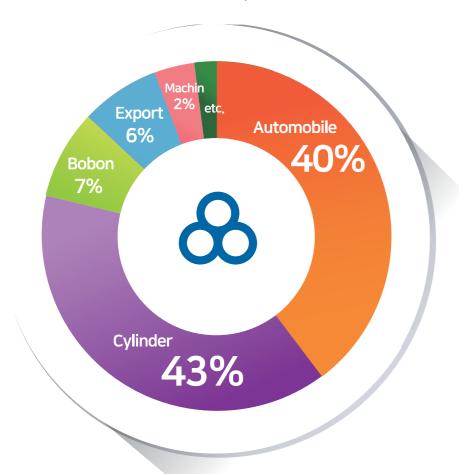
2018 2018.07.

IATF16949 certificate acquisition 2022

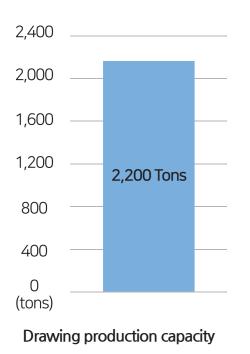
2022, 10, Cutting/chamfer factory construction and business expansion

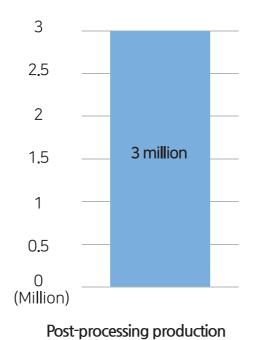
### **Product components**

As shown below, cold-drawn steel tubes are used in various industries, and we respond to the diverse product demands for cold-drawn steel tubes.



#### **Monthly production capacity**





capacity

#### **Product Range(Size Range)**

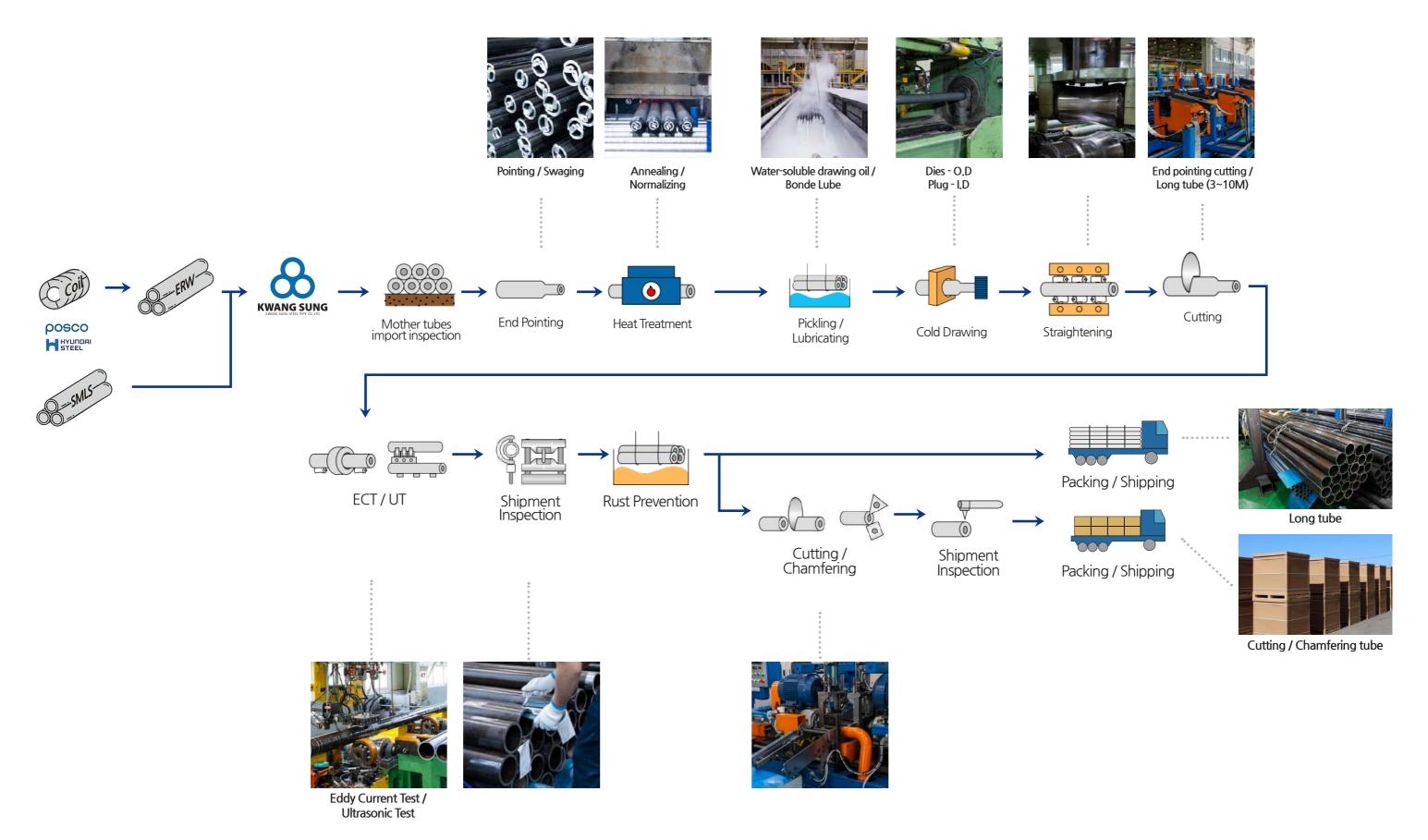
| OD WT  |       | (mm) |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
|--------|-------|------|---|---|---|---|---|---|---|---|----|----|----|----|----|----|
| (inch) | (mm)  | 1    | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 0.5    | 12.7  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 1      | 25.4  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 1.5    | 38.1  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 2      | 50.8  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 2.5    | 63.5  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 3      | 76.2  |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 4      | 101.6 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 5      | 127.0 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 6      | 152.4 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 7      | 190.7 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 8      | 216.3 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 9      | 228.6 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 10     | 254.0 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |
| 11     | 279.4 |      |   |   |   |   |   |   |   |   |    |    |    |    |    |    |

#### **Material Table**

|   | Standard |            | Designation  | Conditions                        | Steel Grade               |  |  |
|---|----------|------------|--|-----------------------------------|---------------------------|--|--|
|   |          | EN 10305-1 | Seamless Cold Drawn Tubes  |                                   | E215, E235, E355          |  |  |
| ı | EN       | EN 10305-2 | Welded Cold Drawn Tubes  | +C, +LC, +SR, +A, +N              | E155, E195, E235, E355    |  |  |
|   | ΕIN      | EN 10305-4 | Seamless Cold Drawn Tubes for Hydraulic<br>and Pneumatic Power Systems | +C, +LC, +3K, +A, +N              | E215, E235, E355          |  |  |
|   |          | EN 10305-5 | Welded Cold Drawn Tubes for Hydraulic<br>and Pneumatic Power Systems   |                                   | E155, E195,<br>E235, E355 |  |  |
|   | ASTM     | ASTM A 513 | Electric-Resistance-Welded Carbon and Alloy Steel Mechanical Tubing    | Type 3, Type 4,<br>Type 5, Type 6 | 1008 ~ 1045, 4130         |  |  |
|   | ASTIVI   | ASTM A 519 | Seamless Carbon and Alloy Steel Mechanical Tubing                      | CW, +A, +N, +SR                   | 1008 ~ 1045, 1541         |  |  |
|   |          | JIS G 3444 | Carbon Steel Tubes for Genaral Structural Purposes                     | E-C, S-C                          | STK290 ~ STK540           |  |  |
|   | JIS      | JIS G 3445 | Carbon Steel Tubes for Machine Structural Purposes                     | E-C, S-C                          | STKM11A ~ STKM16C         |  |  |
|   | JIS      | JIS G 3472 | Electric-Resistance-Welded Carbon Steel Tubes<br>for Automobile        | E-C                               | STAM290 ~ STAM540         |  |  |
|   |          | JIS G 3473 | JIS G 3473 Carbon Steel Tubes for Cylinder Barrels                     |                                   | STC440 ~ STC590 B         |  |  |

6 | Production Technology

# Manufacturing process



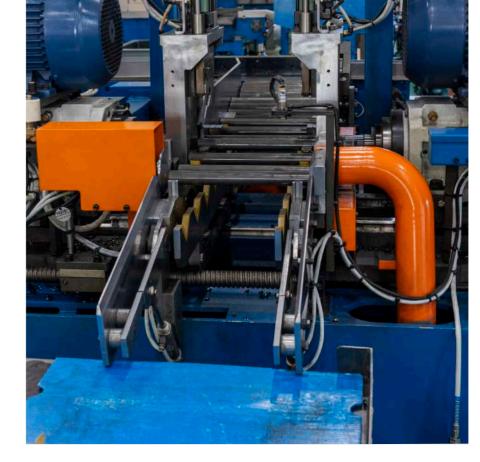
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Kwang Sung Steel Pipe | 9

### **Parts Processing**

We can process components for cold-drawn steel tubes using precision cutting and chamfering machines, buffing machines, cut-off machines with a bite, and boring machines.

### **Cutting / Chamfering Machine**





**Buffing Machine** 



**Bite Cutting Machine** 



**Boring Machine** 



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### **Precision Cold-drawn Steel Tubes for Automotive Parts**

We manufacture precision cold-drawn steel tubes with meticulous dimensions for various automotive components like steering systems, suspension, and safety item.



## **Automobile Companies Using Our Products**





### **Products Steering System**







Coumn

Shaft

Worm Wheel

**Safety Item** 

### Suspension







Sleeve

Bushing

Seat-belt pre-tensioner Tube

## **Precision Cold-drawn Steel Tubes** for Hydraulic or Pneumatic Cylinder

We manufacture precision cold-drawn steel tubes with meticulous dimensions for pneumatic cylinders in heavy construction equipment and agricultural machinery.





### **Heavy Machinery Companies Using Our Products**























#### **Products**

**Hydraulic or Pneumatic Cylinder** 





## **Inspection Facility**

#### **Eddy Current Test**



**Ultrasonic Test** 



U.T.M



Stationary metal analyzers



Mini lab heat treatment furnace



**Mounting Press** 



**Polishing machine** 



**Hardness Tester** 



Surface Roughness Tester



Form Measurement Device



**Meta Microscop** 



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# **MEMO**

