

HANSUNG

HANSUNG Co., Ltd.

Company Profile

With innovative technology and exceptional expertise, we deliver the highest quality and reliability to our customers.

Website | www.hs-ht.com



Table of Contents



Contents

- 01 About Us
- 02 Business Areas
- 03 Manufacturing & Quality
- 04 Main Products
- 05 R&D & ESG

About Us

“ We build trust through technology and design the future with innovation and bold challenges. ”

Company Introduction

- CEO's Message
- Company Overview & Organization
- History
- Philosophy & Core Values
- Certifications
- Major Clients
- Energy Business Unit



CEO's Message

“ Trust, Innovation, Challenge ”

Welcome. I'm Seungwon Baek, CEO of HANSUNG Co., Ltd.

We strive not to be just **NUMBER ONE**, but the **ONLY ONE** in our industry.

Since our founding in 1995, HANSUNG has specialized in automotive parts heat treatment, consistently building technological expertise to deliver superior quality, cost efficiency, and punctual delivery.

By advancing smart factory systems, we've maximized production and energy efficiency, enhancing our competitiveness. Over the past decade, we've evolved into a bearing-focused heat treatment provider, steadily increasing partnerships with global leaders like SKF and Schaeffler.

We've specialized in heat treating components critical to domestic vehicle safety and performance, such as door strikers, latches, seat recliners, and torque converters, maintaining ongoing collaboration with global automakers.

Moving forward, HANSUNG will expand beyond the automotive industry by leveraging high-efficiency production, energy management, automation, and specialized heat treatment to provide customized solutions across diverse sectors.

Thank you. CEO, HANSUNG Co., Ltd. *Seungwon Baek*

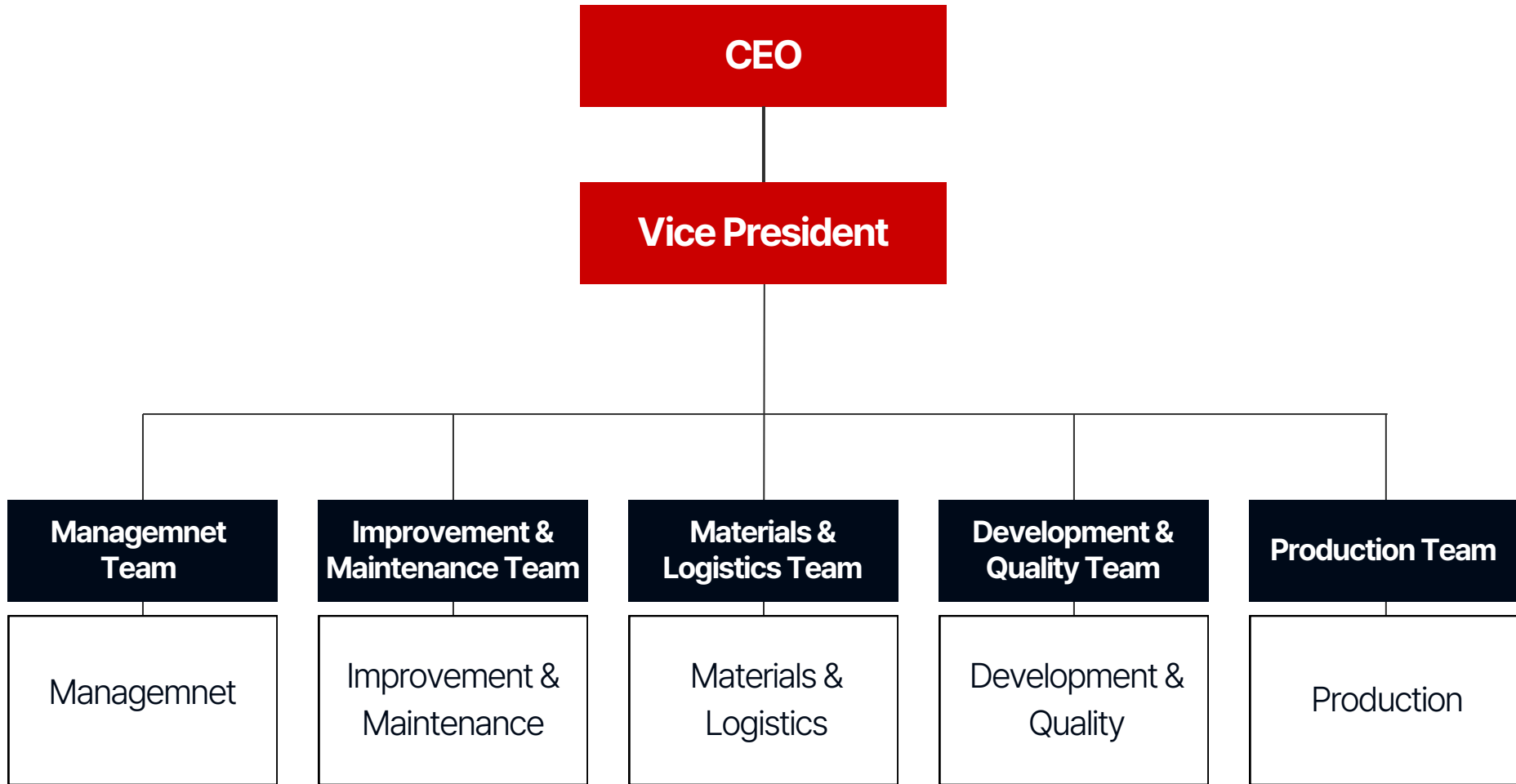


Company Overview

Trust-Driven Ultra-Efficient Heat Treatment Technology

Company Name	Hansung Co., Ltd.	Head Office Address	34, Hosan-dong 7-gil, Dalseo-gu, Daegu, Republic of Korea
CEO	Seungwon Baek	Business Registration Number	503-81-64803
Industry	Manufacturing	Business Type	Heat Treatment
Date of Establishment	December 1, 1995	Number of Employees	40
Annual Sales (as of 2024)	KRW 13 billion	H/KMC Parts	60%

Automotive	Main Products	Major Clients	Vehicle Models Produced
	DOOR STRIKER	PHA, AST Co., Ltd.	DN8, RG3, JK1
	SEAT RECLINER	Daesung Fine Tec Co., Ltd.	COMPACT, FS
	TORQUE CONVERTER	VPHC (KAPEC)	ZF, JK, E5, PRE
	BEARING	SKF	OUTER RING, INNER RING
	BEARING	Schaeffler Korea	OUTER RING, INNER RING
	RACE TYPE	Shinhan Precision Co., Ltd.	TF, VS



Company History

30 Years of HANSUNG, Proven by Quality and Trust.

1995 • Established HANSUNG Heat Treatment

2000 • Acquired Hyundai-Kia SQ Certification

2001 • Acquired ISO/QS 9000 Certification (TUV)

2004 • Incorporated as HANSUNG Co., Ltd.
• Established 2nd Factory (with R&D Center)

2005 • Acquired ISO/TS 16949 Certification (TUV)
• 1st Place – Production Base Technology Contest (Company Division)

2009 • Received GMDAT CQI-9 GREEN rating

2014 • Acquired ISO 14001 Certification

2017 • Awarded Prime Minister's Prize in Root Technology Competition

2018 • Acquired IATF 16949 Certification

2019 • Registered in GKN Global Heat Treatment Division

2023 • Certified as a Technology Evaluation Excellent Company
• Registered as Bainite Supplier for SKF

2024 • Applied for patent on energy-saving radiant heater
• Developed new quartz heater

CI



[Logo Symbol]

HANSUNG's logo symbolizes the strength of metal tempered by high-temperature heat treatment, centered in a red oval representing condensed industrial energy. It's dynamic oval shape reflects the flow of fluids, cycle of production, and continuity of heat treatment, while the bold gothic text inside conveys precision and trust.

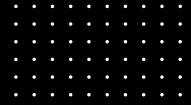
[Korean Logo Type]

The 'HANSUNG' Korean typography uses a clean, sans-serif gothic style representing professionalism, stability, and technical heritage. It's centered, balanced layout inside the oval reflects balance between quality and delivery, technology and trust.

[English Logo Type]

The English logo 'HANSUNG' reflects our global vision and branding consistency, ensuring clarity with international partners. The red oval symbol unifies both Korean and English logos, delivering consistent brand trust globally.

Management Philosophy



HANSUNG is managed with sincerity, striving not to be just **NUMBER ONE**,
but the **ONLY ONE** through innovative technology.

HANSUNG

Principles kept through trust! Relentless pursuit of innovation and challenge!
30 years with our customers, aiming for 100 more together.

Core Values

Through innovation and challenge,
HANSUNG creates technology and builds trust and the future.



Trust

We earn our customers' trust
through sincerity and responsibility.

Innovation

We achieve ultra-consistent quality
through high-efficiency technology.



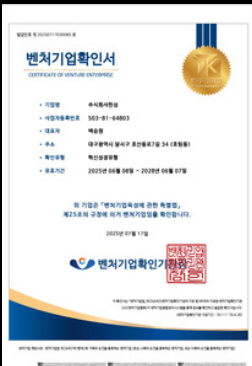
Challenge

We actively overcome all challenges
with a positive mindset.

Certifications

HANSUNG's heat treatment technology and quality control systems are recognized through SQ and IATF 16949 certifications.

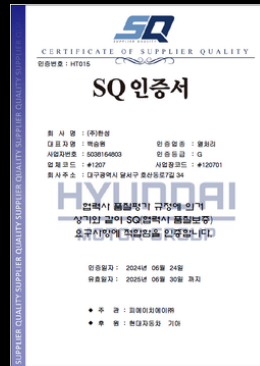
HANSUNG



Certificate of Venture Business



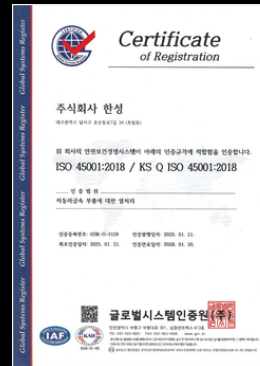
Research Institute Certificate



SQ Certification



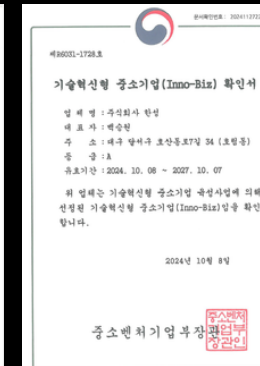
IATF 16949



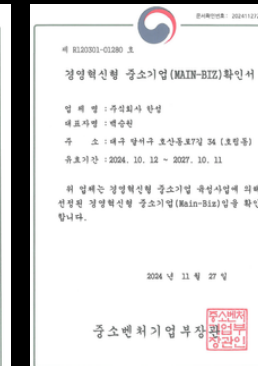
ISO45001



ISO45001



Inno-Biz Certification



Main-Biz Certification

Major Clients

Since its establishment in 1995, Hansung Co., Ltd. has built long-standing trust through collaboration with global automobile manufacturers and parts suppliers, including Hyundai and Kia Motors.

Major Clients		End Customers	
			
			
			
			
			

Energy Business Unit

Leveraging the energy-saving and automation technologies developed in our heat treatment business, **we are expanding into eco-friendly energy automation solutions.**

Eco-Friendly Energy Saving!



Heat Treatment Division



Energy Division



Automation Division

Business Field

“Driven by technology, we connect the future of industry.”

Business Areas

- Quenching & Tempering
- Bainite Heat Treatment
- Carburizing
- Nitriding
- Soft Nitriding
- Induction Hardening
- Austempering

Q/T Heat Treatment

Definition

A heat treatment process where steel is heated to a high temperature, rapidly quenched, and then reheated (tempered) to an appropriate temperature to achieve both strength and toughness.

Features

Balances high hardness and toughness;
improves wear resistance and fatigue strength.

Applications

Shafts, gears, bearings, structural steels, etc.



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Bainite Heat Treatment

Definition

A heat treatment process in which austenitized steel is rapidly cooled to an intermediate temperature above the martensite formation range, forming a bainitic structure.

Features

Superior toughness and impact resistance compared to martensite; minimizes distortion and cracking.

Applications

Bearings, gears, springs, and high-strength structural components.



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Carburizing Heat Treatment

Definition

A surface hardening process where low-carbon steel is heated in a carbon-rich environment to increase carbon content on the surface, followed by quenching.

Features

Hard surface with a tough core;
excellent wear resistance and fatigue strength.

Applications

Gears, camshafts, bearings, sleeves, etc.



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Carbonitriding Heat Treatment

Definition

Similar to carburizing but with the addition of nitrogen; enhances surface hardness and wear resistance.

Features

Improved surface hardness and fatigue resistance; reduced distortion.

Applications

Molds, gears, spindles, bearings, etc.



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Annealing

Definition

A heat treatment process used to soften materials, relieve internal stresses, and improve machinability.

Features

Reduces hardness, improves ductility, and enhances machinability.

Applications

Automotive parts, molds, mechanical components, etc.

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Induction Hardening

Definition

A surface hardening method using induced electrical currents to heat the surface, followed by rapid quenching.

Features

Localized hardening; minimal distortion; suitable for complex shapes.

Applications

Gears, shafts, rollers, cams, etc.



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Austempering

Definition

A heat treatment process involving quenching into a bath held at a temperature above martensite start, forming bainite without transformation to martensite.

Features

Improved toughness and fatigue strength with less distortion compared to conventional quenching.

Applications

Gears, brackets, cams, springs, etc.

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Manufacturing & Quality

“Stringent Standards, Uncompromising Quality”

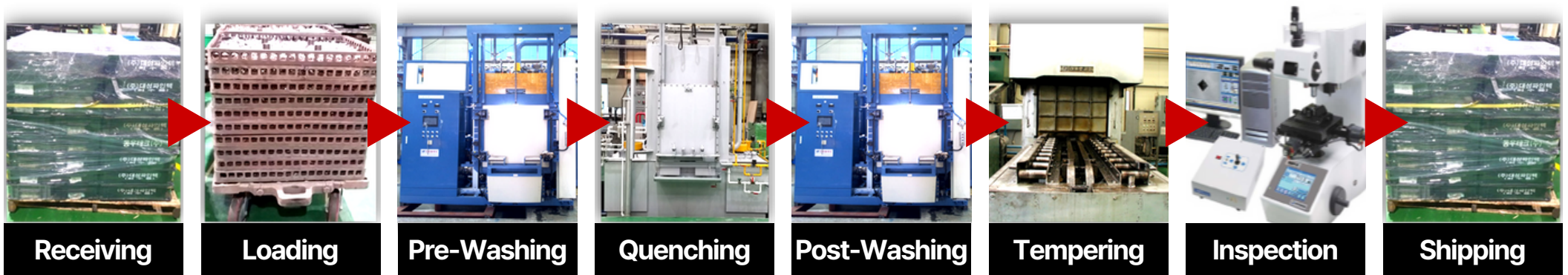
Production & Quality Management

- Batch Furnace Process
- Continuous Furnace Process
- Production Equipment Overview
- Inspection Equipment Overview

Major Production Process Overview

Batch Furnace Process

HANSUNG's core production line, the **Batch Furnace Process**, allows customized heat treatment for various components through independently controlled precision loading.



High-temperature and high-strength treatment quality is ensured, with step-by-step automated quality checks to maximize completion.

Major Production Process Overview

Continuous Furnace Process

HANSUNG's **Continuous Furnace Process** is a heat treatment system specialized for high-efficiency mass production.



Based on an automated conveyor line, it ensures stable heat treatment quality while maximizing productivity.

Production Equipment Overview

Operating more than 30 major production facilities

Batch Furnace

A batch-type intermittent heat treatment process in which a fixed amount (1 batch) of products is loaded at once, then heated → heat-treated → cooled in sequence.

Classification ALL CASE FURNACE
Units No. 1 to 13 (13 units)

Capacity 900kg / ch

Type BATCH TYPE



Production Equipment Overview

Operating more than 30 major production facilities

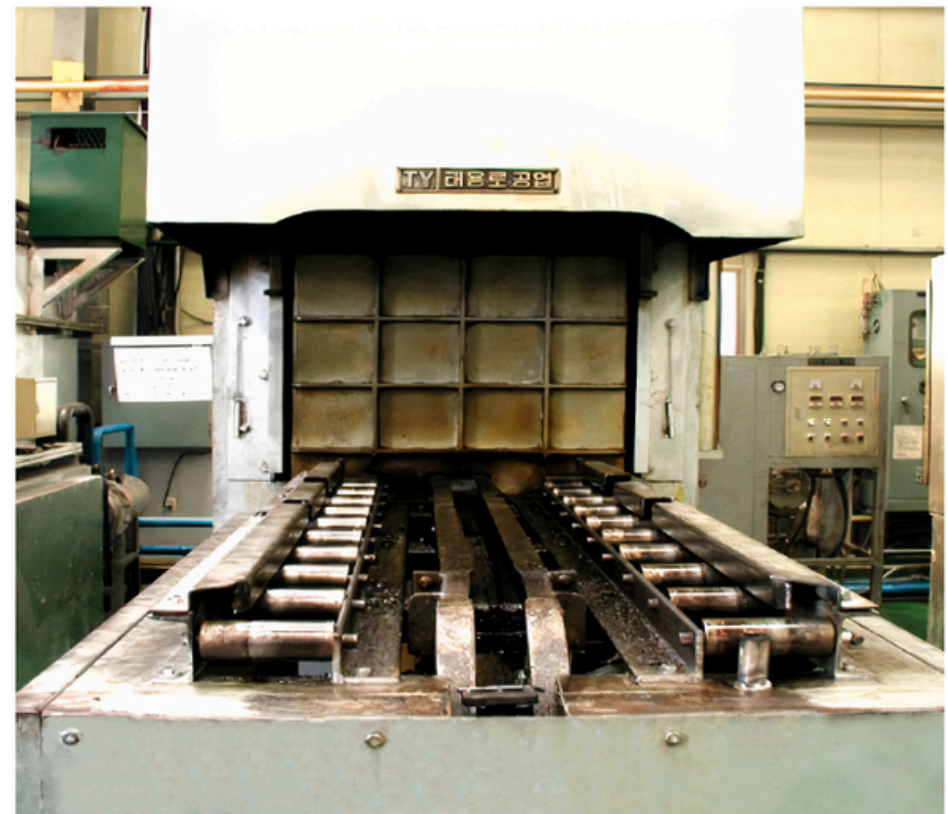
Tempering Furnace

An intermittent batch heat treatment process in which a fixed amount (1 batch) of products is loaded at once, then heated → heat-treated → cooled.

Classification Number of Units: 10

Capacity 900kg / ch

Type BATCH TYPE



Production Equipment Overview

Operating more than 30 major production facilities

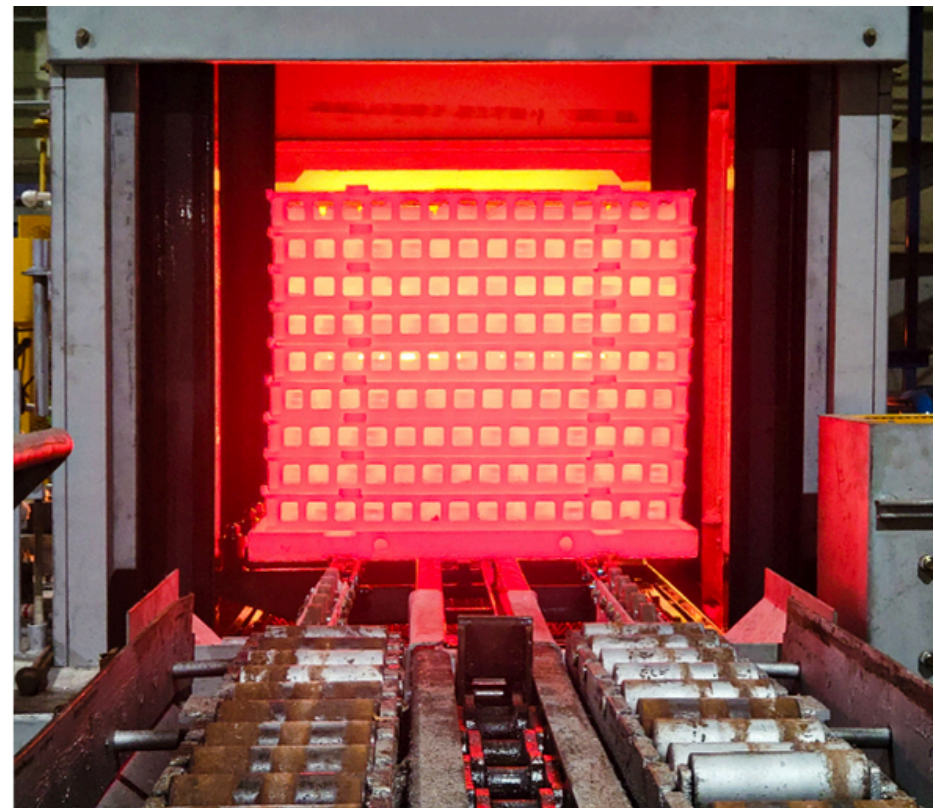
Bainite Furnace

A heat treatment process that uses high-temperature molten salt (salt bath) as the heat source.

Classification Number of Units: 2

Capacity 900kg / ch

Type BATCH TYPE



Production Equipment Overview

Operating more than 30 major production facilities

Continuous Furnace

A continuous heat treatment process in which materials (such as steel and aluminum) are fed into the furnace at a constant speed, heat-treated, and then discharged.

Classification Number of Units: 3
 (1 SEMI, 2 COLD)

Capacity 400kg

Type CONTINUOUS TYPE



Production Equipment Overview

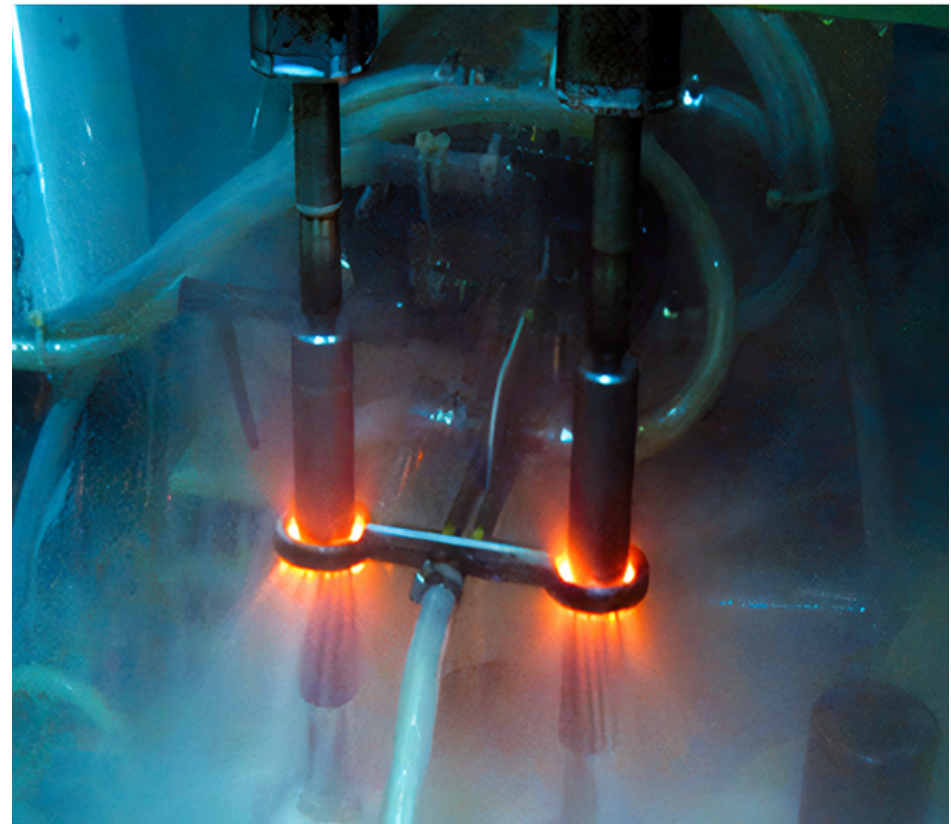
Operating more than 30 major production facilities

High-Frequency Heat Treatment

A surface hardening heat treatment that rapidly heats and quenches only the metal surface by passing high-frequency current through a coil, generating eddy currents on the surface.

Classification High-Frequency Equipment
Number of Units: 2

Capacity 480v / 75kw



Production Equipment Overview

Operating more than 30 major production facilities

Austemper Furnace

A continuous heat treatment process where materials (such as steel or aluminum) are fed into the furnace at a constant rate, heat-treated, and then discharged.

Classification Austemper Furnace

Number of Units: 3

Capacity 500kg

Type CONTINUOUS TYPE



Production Equipment Overview

Operating more than 30 major production facilities

Annealing Furnace

Classification B shop
Number of Units: 1

Capacity 900kg / ch

Type BATCH TYPE



Production Equipment Overview

Operating more than 30 major production facilities

Vacuum Cleaning

Classification Vacuum Cleaner
Number of Units: 4

Capacity 900kg



Production Equipment Overview

Operating more than 30 major production facilities

Pre-Tempering

Classification B shop
 Number of Units: 8

Capacity 60 TON PRESS



Production Equipment Overview

Operating more than 30 major production facilities

Shot Peening

Classification A shop : No. 1, 2, 3

Type APRON



Production Equipment Overview

Operating more than 30 major production facilities

Automated Pre-Tempering Line

Classification B shop
 Number of Units: 1

Capacity 6000EA / DAY



Production Equipment Overview

Operating more than 30 major production facilities

E.C.T MACHINE

Classification B shop
 Number of Units: 2



Production Equipment Overview

Operating more than 30 major production facilities

Automatic Weighing & Packaging Machine

Enhances efficiency and accuracy in pre-shipping processes by fully automating the weighing and packaging steps, ensuring consistent outbound product quality.

Classification	Number of Units: 1
Capacity	500kg
Feature	Zero quantity error through automated weighing system



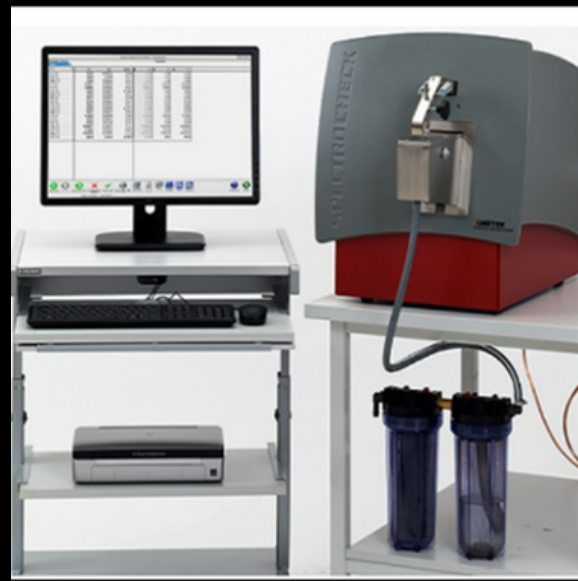
Inspection Equipment Overview

Accurate and Objective Quality Assurance

Over 10 advanced inspection devices ensure 100% quality checks across all processes.



Automatic MICRO VICKERS
Hardness Tester



Material Composition
Analyzer



Rockwell Hardness
Tester

Inspection Equipment Overview

Accurate and Objective Quality Assurance

Over 10 advanced inspection devices ensure 100% quality checks across all processes.



Two Metallographic
Microscopes



Video Measuring
System



E.C.T
MACHINE

Main Products

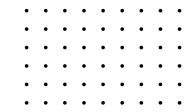
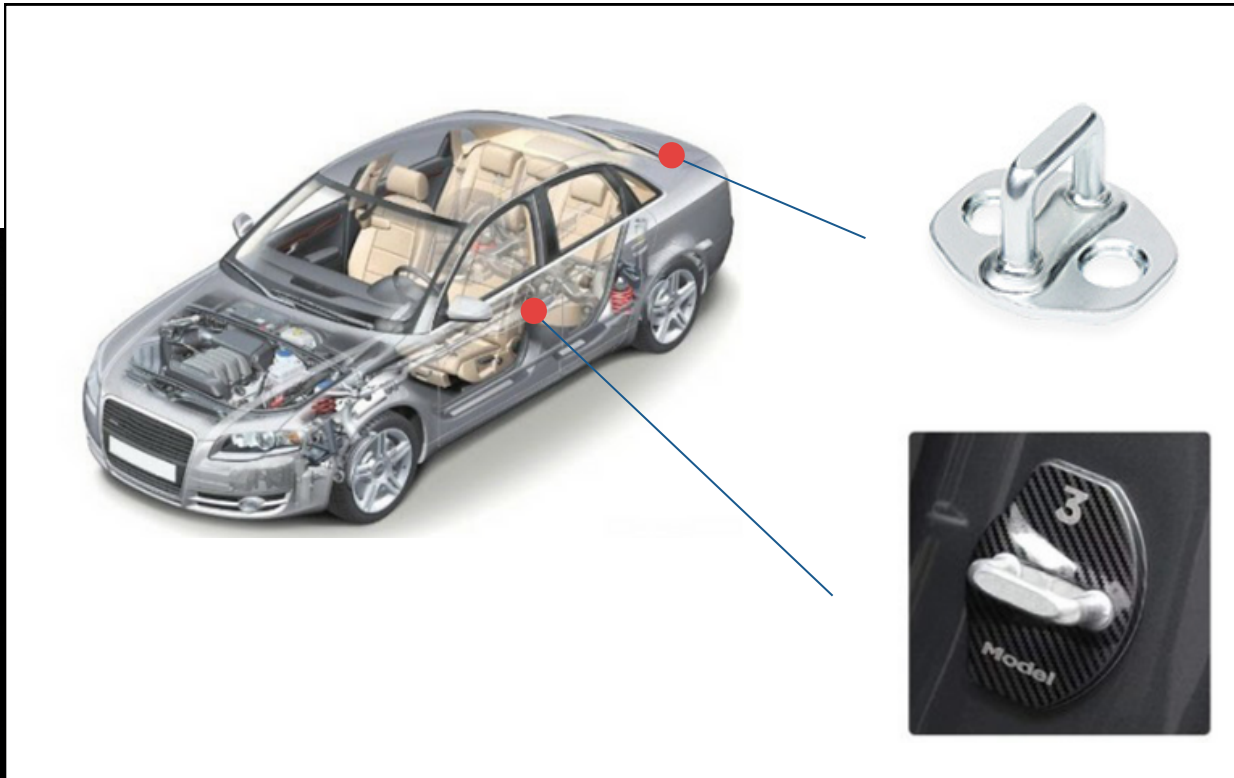
“Innovative Technology, Customer-Centric Products”

Key Products

- Door Striker
- Seat Recliner
- Torque Converter
- Bearings
- Compressor Parts

Door Striker

The **door striker**, assembled onto the vehicle body to secure the door latch, is a critical component directly related to vehicle safety. High-strength heat treatment ensures precision and durability, allowing for customized designs tailored to various vehicle models.

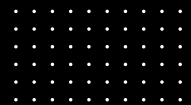


HAN SUNG Co., Ltd.

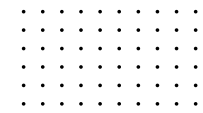
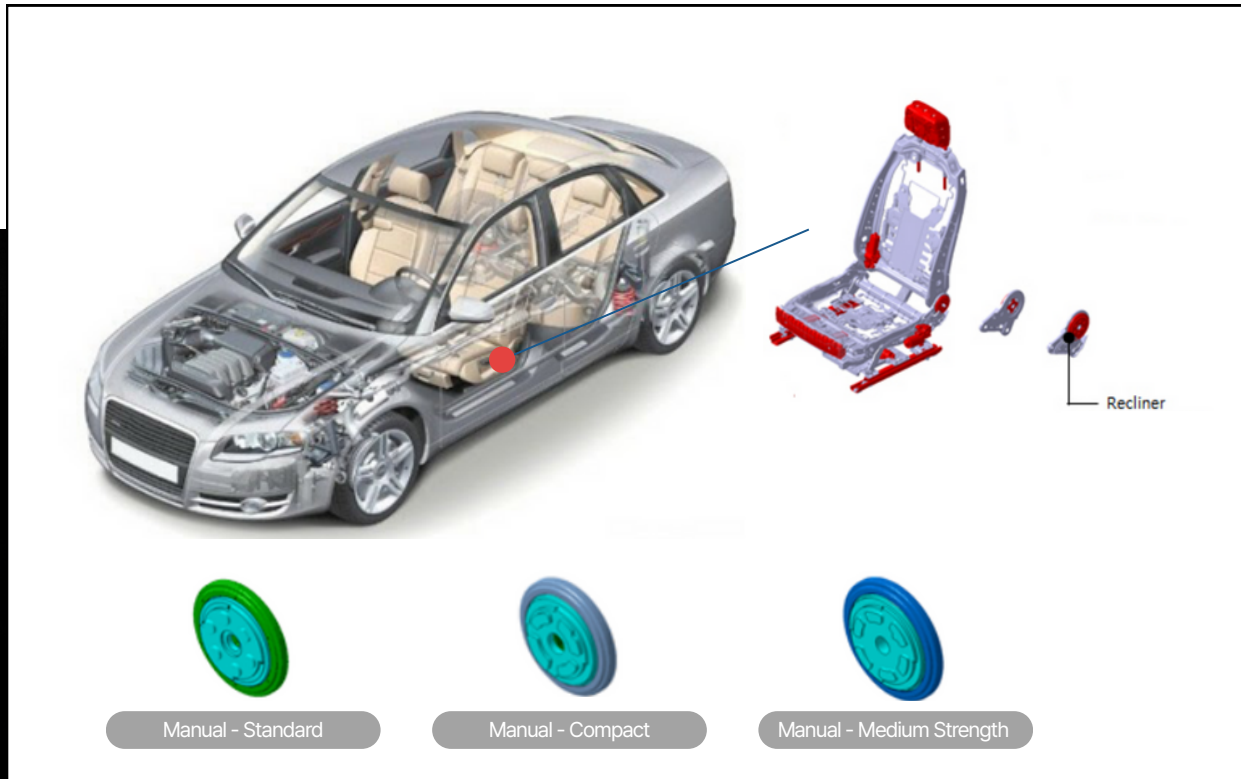
Key Clients : PHA, AST

Applied high-strength heat treatment technology
Exceptional durability against repeated impacts
Custom design based on client specifications.

Seat Recliner



The seat recliner is a critical seat mechanism that allows comfortable seatback adjustment during driving, maintains the set position, and provides safety in case of collision.



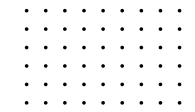
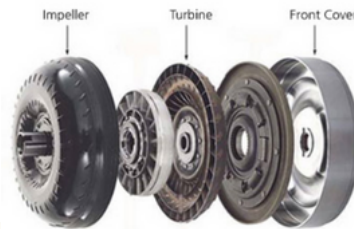
HAN SUNG Co., Ltd.

Key Clients : Daesung Finetec

Precision machining and high-strength heat treatment
 Custom design tailored to client specifications
 Flexible adaptability to seat structure requirements

Torque Converter

A **torque converter** is a type of fluid coupling that transfers rotational power from an engine—such as an internal combustion engine—to a rotating driven load. It connects the engine to the load in vehicles with automatic transmissions and is typically positioned between the engine's flexplate and the transmission.

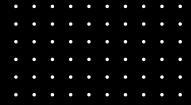


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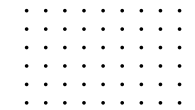
Key Clients : VPHC, KAPEC

High-strength, high-precision heat treatment
Excellent wear resistance / Long-life design
Customizable to various automatic transmission models

Bearings



Bearings are essential components in rotating sections of vehicles, ensuring reduced friction and stable motion. We supply precision-treated bearings to global brands such as SKF and Schaeffler, recognized for both our technology and quality.



HAN SUNG Co., Ltd.

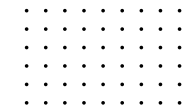
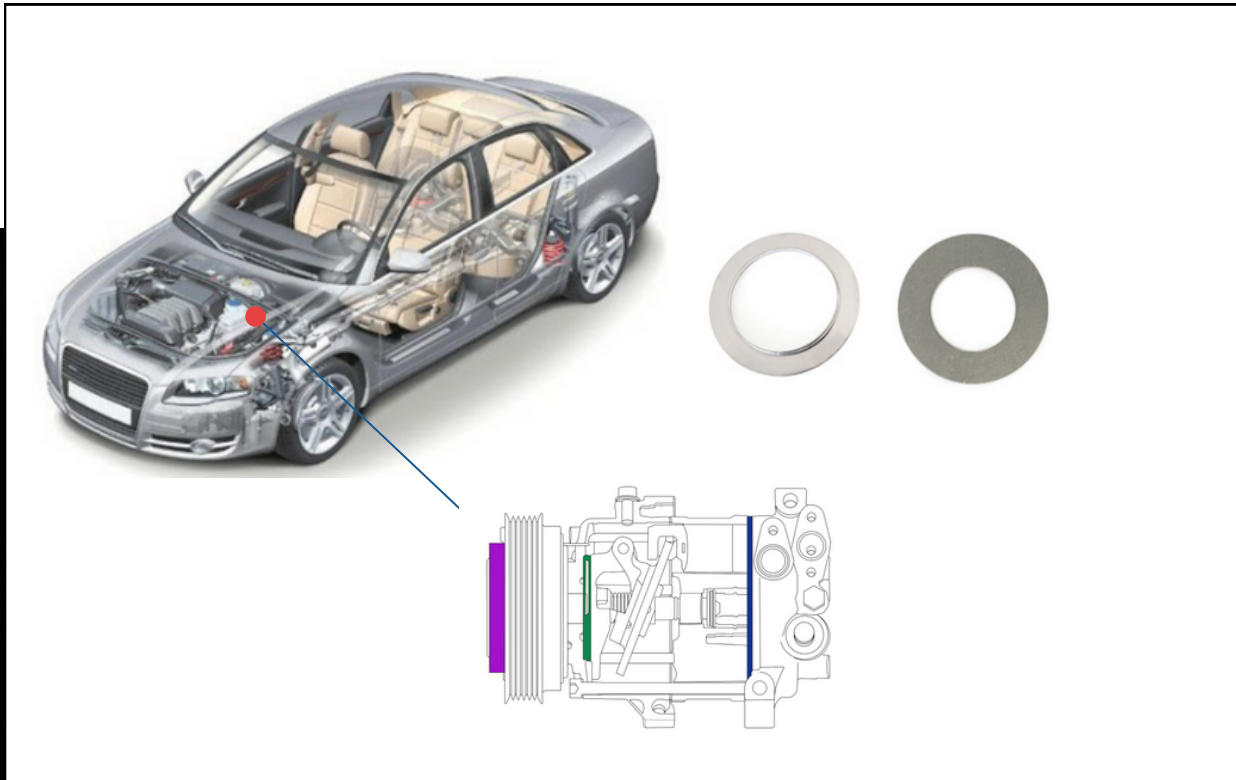
Key Clients : SKF, Schaeffler Korea

Precision machining and uniform hardness
Minimized vibration during high-speed rotation
Compliant with global quality standards

Compressor Parts

Compressor parts are used in automotive cooling and air compression systems, contributing to improved engine performance and fuel efficiency.

As components that require high durability and dimensional accuracy, they undergo advanced heat treatment processes.



HAN SUNG Co., Ltd.

Key Clients : Shinhan Precision, Hanon Systems

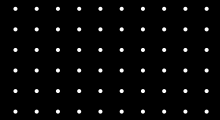
Enhanced corrosion and wear resistance
Heat-treated to withstand high-temperature processes
Supports dimensional tolerance of $\pm 0.005\text{mm}$

R&D & ESG

“Preparing for a Better Future”

Research and ESG Management

- R&D Center
- ESG Management



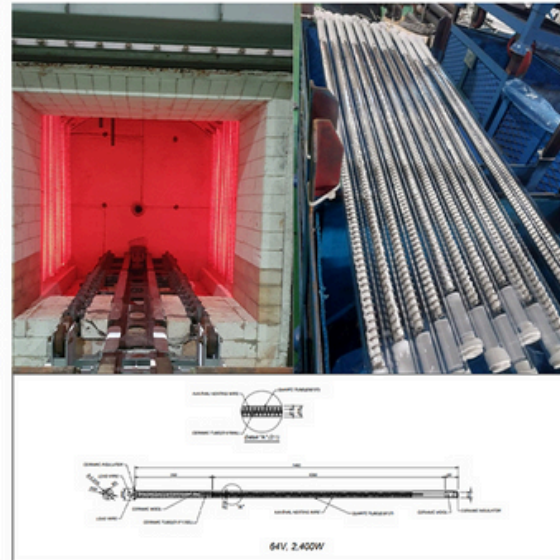
R&D Center

Radiant Tube Heater



Conventional heater

Radiant Heating Technology

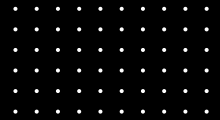


New heater

Application of Quartz Heater

Radiant Heating Elements

- New heater development applying quartz heaters

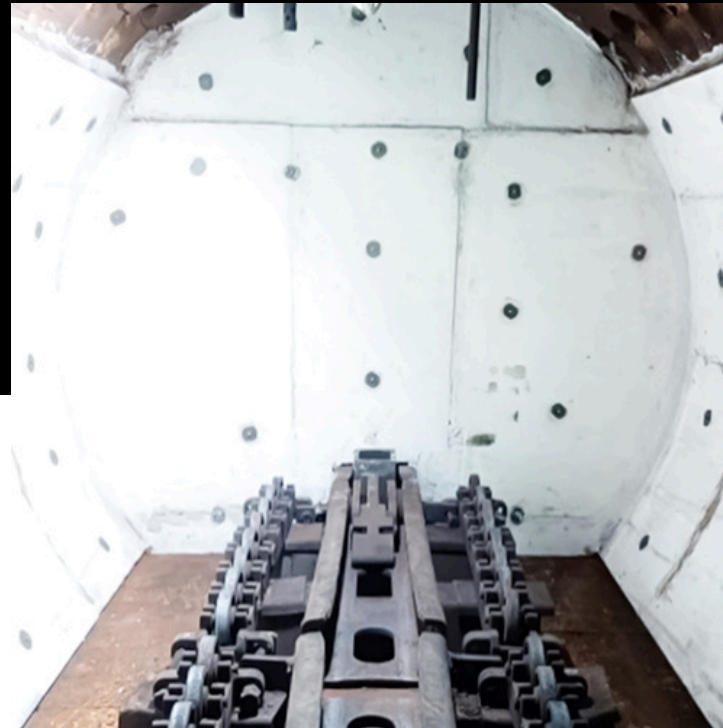


R&D Center



Equipment in Use

- Furnaces equipped with radiant heat panels



Technology Development Example

- Application of heat-insulating ceramics and thermal insulation materials

ESG Management

HANSUNG Committed to Environmental, Social, and Ethical Responsibility

At HANSUNG, we uphold our responsibility as a company for future generations through sustainable management rooted in ESG principles.

E(Environment)

Carbon Emission Reduction through
High-Efficiency Heat Treatment
(Adoption of power-saving systems
for heat treatment)

O₂ sensor-based energy control
system → Up to 15% energy savings

S(Social)

Strengthened Industrial Safety
Education & Zero-Accident Operations

Community Contribution & Volunteer
Participation

G(Governance)

Transparent Accounting & Certified
Quality Management

Maintenance of regular quality audits
and standardized documentation
systems



We are committed to making every customer visit and meeting as smooth as possible.



Located in an industrial complex in Dalseo-gu, Daegu, Hansung Co., Ltd. owns and operates its own factory and technology research institute.



Factory Location



HANSUNG Co., Ltd.

Address (Road Name): 34, Hosandong-ro 7-gil, Dalseo-gu, Daegu, Korea
Address (Lot Number): 2-16, Horim-dong, Dalseo-gu, Daegu, Korea





By Car: 10 minutes from Seongseo IC

By Subway: 12-minute walk from Gangchang Station (Metro Line 2)



HANSUNG

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