

From Materials (Casting/Molding) to Precision Machining
Total Solution Provider

Parts for construction equipment
Parts for industrial machineries
Vessel apparatuses and others.

Hung Jin Industry Co., Ltd.

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www.hjico.com

Parts For Construction Equipment | Parts For Industrial Machineries | Vessel Apparatuses And Others
Construction And Mining Mechanical Equipment Manufacturing Industry

Hungjin Industrial Co., Ltd. is a manufacturer specializing in construction and industrial machinery parts, shipbuilding equipment, and defense products.

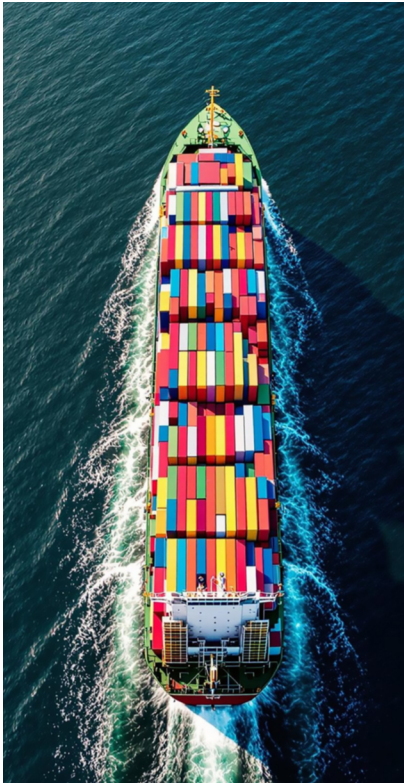
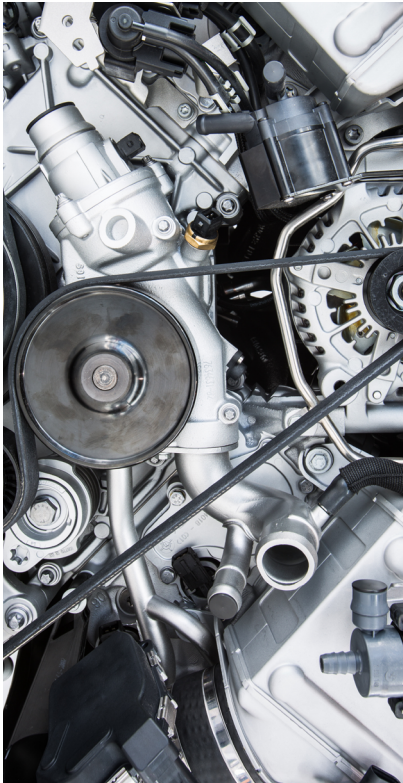
First, we would like to thank you sincerely for visiting our company. Guided by the principles of harmony, integrity, and innovation, we are dedicated to ensuring customer satisfaction by manufacturing and supplying critical components for construction, industrial, and shipbuilding machinery. This commitment has enabled us to play a significant role in developing the machinery industry and reach our current position through steadfast efforts.

Looking ahead, we plan to use our state-of-the-art precision equipment and ultra-precision component production technology to develop new products and produce functional components and sub-assemblies.

We will continue to pursue production innovation through continuous technological development and by overcoming relentless challenges, all while faithfully upholding our corporate philosophy of contributing to societal progress and prioritizing customer satisfaction.

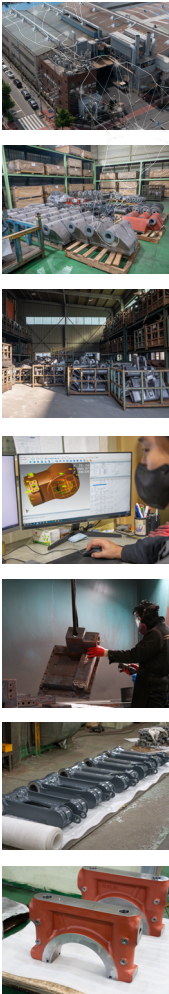
Thank you.

Representative Director of Hongjin Industry Co., Ltd.
Kim Jong-soo



History of Hung Jin Industry Co., Ltd.
HISTORY

- 1995.06 Established Hung Jin Industry Co., Ltd.
- 1997.11 Registered as a subcontractor of Hyundai Heavy Industries Co., Ltd.
- 2005.09 Patent registered: Casting method for excavator buckets
- 2006.12 Established overseas subsidiary in China
- 2008.11 Selected as a Technology Innovation-Driven small and medium firm (INNO-BIZ)
- 2010.11 Received the “Million Dollar Export Award” on Trade Day, ISO 9001:2008 certification
- 2012.05 Relocation and expansion of casting division (Jangnim Factory → Dadae Factory)
- 2013.02 Certification as a dedicated R&D department
- 2013.07 Registered as a Caterpillar partner company
- 2014.01 Registered as a Kobelco partner company
- 2016.01 Liquidation of overseas subsidiary in China (certification as a repatriated company)
- 2016.09 Acquired AEO comprehensive certification
- 2017.09 Designated as a partner company by the Korea Institute of Industrial Technology
- 2017.11 Converted to ISO 9001:2015
- 2017.12 Registered as a Hitachi partner company and a Sumitomo partner company
- 2018.04 Developed Alpha Set Cast Iron Manufacturing Method (collaboration project with Korea Institute of Industrial Technology)
- 2018.09 Registered as a Hyundai Robotics supplier (cast iron)
- 2019.01 Registered as a KYB (Gayaba Industrial) supplier
- 2019.03 Registered as a Hyundai Heavy Industries (HIMSEN Engine) partner company (cast iron)
- 2019.05 Received the Minister of Employment and Labor Award
- 2019.06 Certified as an Excellent Senior Job Creation Company by the City of Busan
- 2020.01 Registered as a Partner Company of Hyundai Site Solution (P/T Division, Casting)
- 2021.06 Replaced outdated equipment (12 MCTs, 1 CNC, 2 V.Ts)
- 2023.08 Received the Employment Permit System Excellence Award from the Korea Employment Agency
- 2023.11 Obtained three international classification society certifications (LR, ABS, DNV)
- 2024.06 Achieved a B-grade evaluation from Hyundai Heavy Industries (Himsen Engine)



HUNG JIN

HungJin Industry Co., Ltd.

Company Name : Hung Jin Industry Co., Ltd.
Date of Establishment : June 1, 1995
Representative Director : Kim Jong-soo

Head Office Processing Division

Scale: Land/Building
11,630 m² / 9,192m²
(3,518/2,780)

81, Dasan-ro, Sahagu, Busan,
Republic of Korea

Capability : 3,500 Units/Month



Factory 2 Casting Division (Pre-treatment)

Scale: Land/Building
3,901m² / 3,364m²
(1,180/1,017)

125, Dasan-ro, Saha-gu, Busan,
Republic of Korea

Capability : 1,200 Ton/Month



Factory 3 Casting Division (Post-processing)

Scale: Land / Building
3,491.4m² / 1,961.4m²
(1,056/593)

87, Dasan-ro, Saha-gu, Busan,
Republic of Korea

Capability : 1,200 Ton/Month



Factory 4

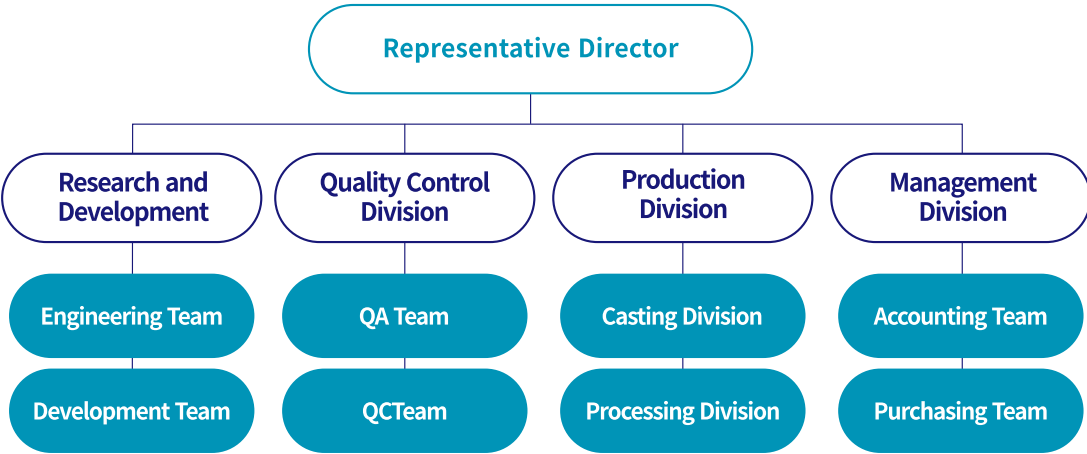
Scale: Land / Building
4,776m² / 3,969m²
(1,444/1,200)

174, Dasan-ro, Saha-gu, Busan,
Republic of Korea



Sales Volume

Organization Chart of Hung Jin Industry Co., Ltd.



Number Of Employees

Number of employees/qualifications

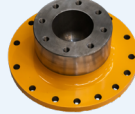
Category	Casting Division	Factory 3	Processing Division	Total
Administrative staff	5	2	16	23
On-site staff (domestic)	25	3	25	53
On-site staff (foreign)	15	2	17	34
In-house contract staff	0	6	22	28
Total	45	13	80	138

Category	Metallurgy	NDT	Machining	Welding	Electric	CAD/CAM	Total
Qualification status	2	4	6	3	1	1	17



Key Production Items

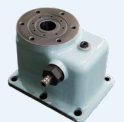
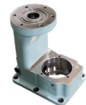
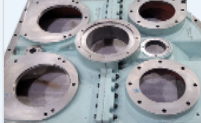
Key Production Items - Hyundai Construction Equipment Co., Ltd

Group	Item	Shape	Weight (kg)	Material and Characteristics					Remarks
				Material		T/S (MPa)	CVN (J/°C)	Hardness (HB)	
				Std.	Grade				
Excavator	Bearing – Boom		58 – 1700	HCE	SCW56H	550	27/0	N/A	
	Bearing – Arm		48 – 390	HCE	SCW56H-QT	650	60/0	200~250	
	Control Rod Assy		50 – 450	JIS	SCMn3B	690	N/A	197 Min	
Wheel Loader	Pivot – Boom		167 – 483	HCE	SCW56H	550	27/0	N/A	
	Bell Crank Assy		246 – 502	JIS	SCMn3B	690	N/A	197 Min	
	Link Assy		49 – 68	JIS	SCMn3B	690	N/A	197 Min	
	Lug Cylinder		17 – 47	HCE	SCW56H	550	27/0	N/A	
	Shaft – Pivot		45	JIS	SCMn3B	690	N/A	197 Min	
Skid Loader	Axle Housing		29 – 30	HCE	SCW56H	550	27/0	N/A	



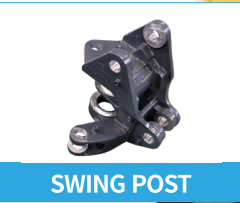
Key Production Items

Key Production Items - KYB, HGE, HRC, HHIEMD

Customer	Group	Item	Shape	Weight (kg)	Material and Characteristics					Remarks
					Material		T/S (MPa)	CVN (J/°C)	Hardness (HB)	
					Std.	Grade				
Hyundai Robotics	Industrial Use	Upper Frame		136	JIS	FCD450	450	-	140 ~ 210	Material Processing and Painting
		Lower Frame		176	JIS	FCD450	450	-	140 ~ 210	Material Processing and Painting
		Base Body		120	JIS	FCD450	450	-	140 ~ 210	Material Processing and Painting
KYB	Industrial Machinery	Cylinder Bottom		93-392	JIS	SCMn2B	640	-	183	Material Processing and Painting
HGE	Forklift	Axle Housing		90-140	JIS	FCD500	500	-	180~220	Material Processing and Painting
HHIEMD	Medium-sized Engine & Himsen Engine	SOGAV COVER		13	JIS	FCD450	450	-	-	Material Processing and Painting
		GAS ADMISSION VALVE (H35DF)		23.51	JIS	FCD400 FCD450	450	-	-	Material Processing and Painting
		GAS ADMISSION VALVE (H22CDF)		11.6	JIS	FCD400	450	-	-	Material Processing and Painting
		MAIN/THRUST BEARING CAP		118.4	JIS	FCD400	450	-	-	Material Processing and Painting
		CASING ON FREE END TWO PART		598.12	JIS	FCD450	450	-	-	Material Processing and Painting



 Excavator



 Wheel Loader



Fork lift



AXLE HOUSING



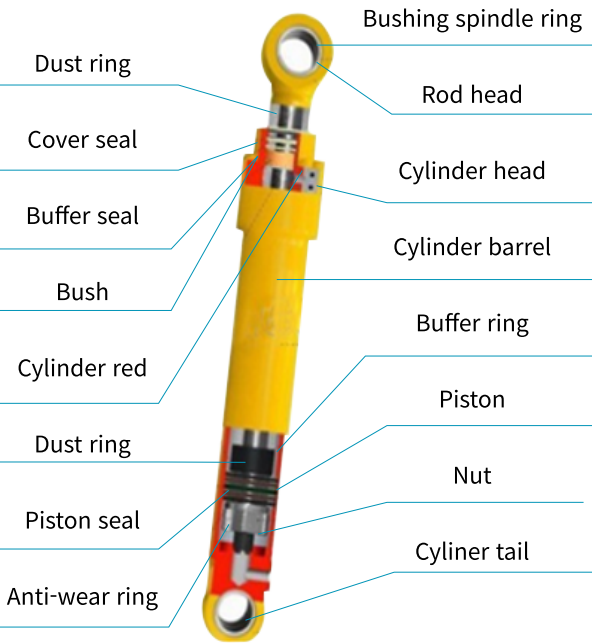
Skid Loader



AXLE HOUSING

KYB Hydraulic Cylinder Lineup for Excavator

Excavator & Dump Cylinder (Gayaba)



CYLINDER BOTTOM



ROD HEAD



CAT 6020B



HITACHI EX3600



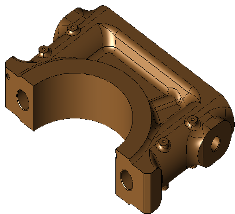
HITACHI EH4000

HYUNDAI HIMSEN ENGINE

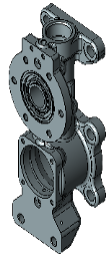


HIMSEN ENGINE	
4 STROKE ENGINE	
Dual-Fuel Engine	Diesel Engine
H22CDF	H21/32
H32DF-LM	H21C
H35DF	
H54DF	

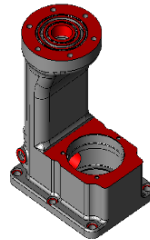
Product Name	Width	Depth	Height	Material Weight
H22CDF AIR COOLER COVER	476	613	282	73
H22CDF GAS ADMISSION VALVE MOUNT HOUSING	140	334	108	15
H35DF SOGAV MOUNT HOUSING	175	234	263	28.1
H21/32 MAIN / THRUST BEARING CAP	413	275	85	52
H35/HL4DF MAIN / THRUST BEARING CAP	635	390	127	148/435



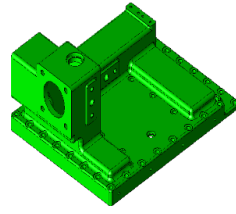
H21 / 32 / H35DF / H54DF
MAIN / THRUST
BEARING CAP



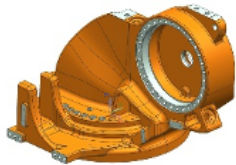
H22CDF
GAS ADMISSION VALVE
MOUNT HOUSING



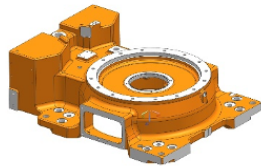
H35CDF SOGAV
MOUNT
HOUSING



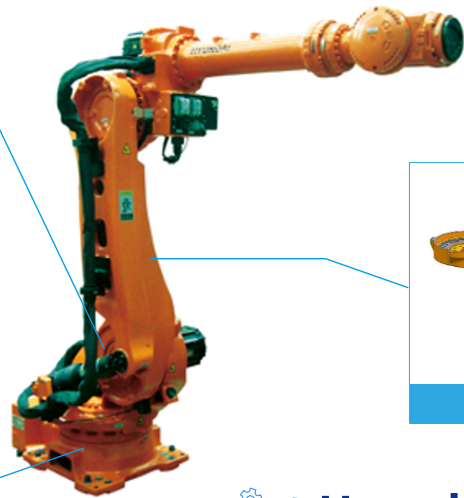
H22CDF AIR
COOLER COVER



LOWER FRAME



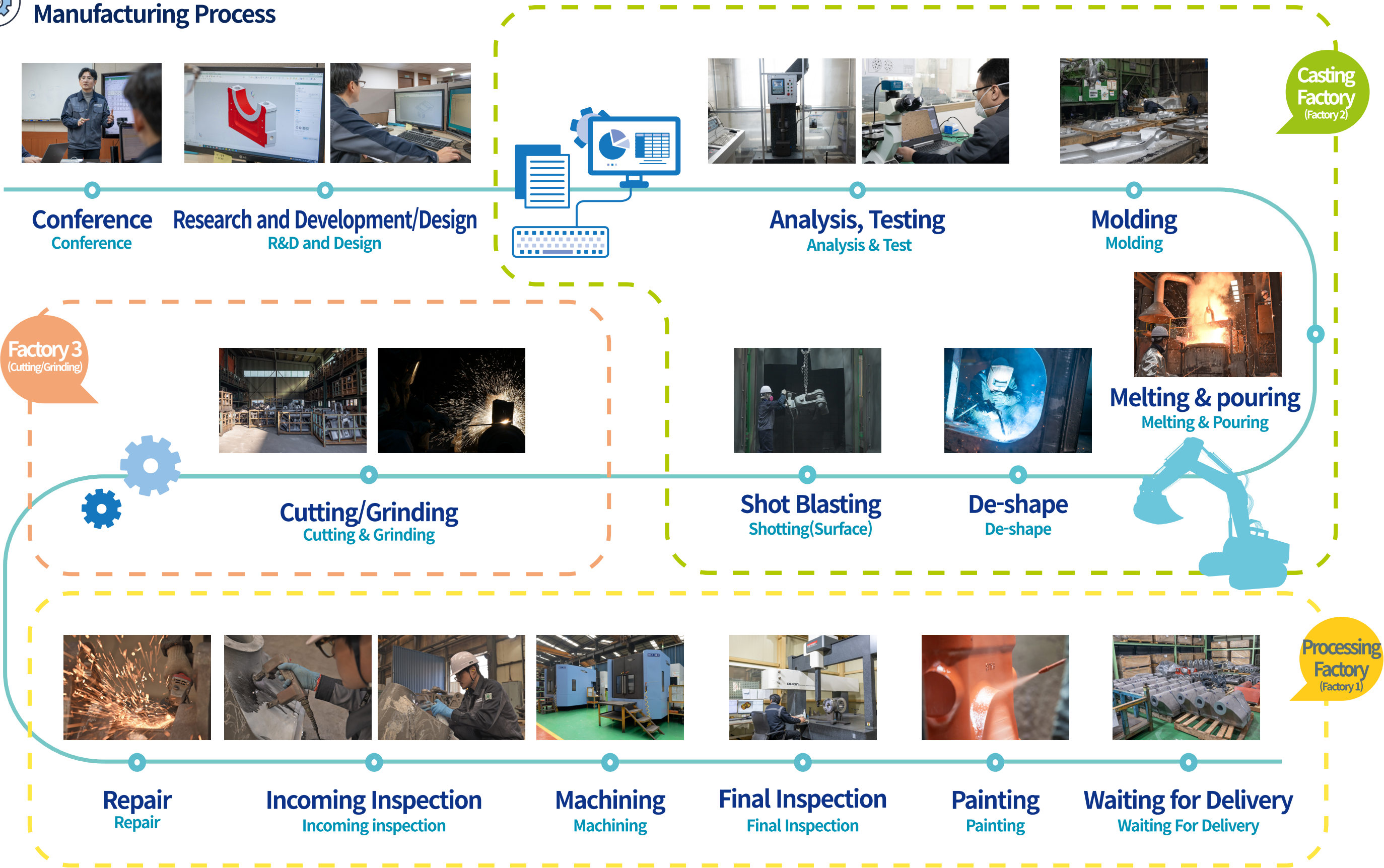
BASE BODY



UPPER FRAME

Hyundai Robotics Industrial Robots

 Manufacturing process
Manufacturing Process





Major Production Facilities - A Foundry

Major Production Facilities (Foundry)

Business Division	Equipment	Specifications	Remarks
Casting Division	Melting Furnace	1 Ton(800 Kw) & 2 Ton(1,800 Kw)	Induction Type / 2 Units
	α-set Molding Machine	20 Ton/Hr(Auto-controller) for Molding, 5 Ton/Hr for Core	All Flow Mixer, 2 Units
	Shot Blast Machine	Hanger Type : 2Ton/ Charge & 5Ton/ Charge	2 Units
	CO2 Welding Machine	15- 20Kw	6 Units



Melting Furnace



α-set Molding Process



Shot blast



Major Production Facilities - Machining

Major Production Facilities (Machining)

Business Division	Equipment	Specifications	Quantity	Year of Purchase
Processing Division	MCT	X 1640 Y 1560 Z1250, RPM 2620MAX , Horizontal Type	1 Unit	-
	MCT	X 1000 Y 800 Z 750, RPM 4500 MAX , Horizontal Type	5 Units	-
	MCT	X 1250 Y 1000 Z 850, RPM 4500 MAX, Horizontal Type	3 Units	-
	MCT	X 1500 Y 800 Z 700, X 1000 Y 500 Z 450, RPM 10000MAX , Vertical Type	1 Unit	-
	MCT (HM1000)	X 2100 Y 1250 Z 1250 RPM 6000, Horizontal Type	1 Unit	2020Y
	MCT (NHM8000)	X 1400 Y1050 Z 1200 RPM 6000, Horizontal Type	1 Unit	2021Y
	MCT (NM8000)	X 1400 Y1050 Z 1200 RPM 6000, Horizontal Type	1 Unit	2021Y
	MCT (NHM6300)	X 1050 Y 850 Z 1000 RPM 6000, Horizontal Type	3 Units	2021Y
	MCT (KH80G)	X 1250 Y 1000 Z 1100 RPM 4500, Horizontal Type	1 Unit	2020Y
	M.C.T (ACE800)	X 1250 Y 1000 Z 850, RPM 4500 MAX , Horizontal Type	1 Unit	2021Y
	MCTMYNX 500/50	X 1525 Y 770 Z 625 RPM 6000, Verticality Type	1 Unit	2020Y
	M.C.T (HS630)	X 1050 Y 875 Z 875 RPM 8000, Horizontal Type	2 Units	2022Y
	M.C.T (HS800)	X 1250 Y 1000 Z 875 RPM 6000, Horizontal Type	1 Unit	2022Y
	Turning V.T550	Swing-740, Z750, RPM 2000, Verticality Type	1 Unit	2021Y
	Turning V.T900	Swing-900, Z850, RPM 1800, Verticality Type	1 Unit	2021Y
	Turning V.T1100	Swing-1100, Z1000, RPM 850, Verticality Type	2 Units	2022Y
	C N C PUMA 5100A	Swing-650, Z1032, RPM 2000, Horizontal Type	1 Unit	2021Y
	Lathe	Swing-710/370, Z2085, RPM 27~1205 , etc	2 Units	-
	Milling Machine	Milling machine No. 6	2 Units	-
	Boring Machine	X 1800 Y 1750 Z 1500 / X 1800 Y 1250 Z 1500, RPM 1000 MAX	5 Units	-
	Robot Welding Machine	Panasonic TM-1400, Robotics HS140	2 Units	-
	Press	100 Ton / 200 Ton	2 Units	-
	Shot blaster	Hanger Type 5Ton/ Charge	1 Unit	-
	Painting Booth	250m³/ min & 300m³/ min	2 Units	-



C.N.C



M.C.T



M.C.T



painting booth



Major Inspection Facilities - A Foundry

Major Inspection Facilities - Foundry

Business Division	Equipment	Measurement Range / Model	Remarks
Casting Division	Universal Material Testing Machine	Max. 50 Ton / KDPI-120	
	Impact Testing Machine	Max. 500N-m (500J) / KDPI-180	
	Component Analyzer	24Ch. / PDA-7000	
	Microscope	Max. X1000 / GX41	
	Brinell Hardness Tester	Max. 3000Kg / DTB-500	
	UT Machine	Up to 200mm / EPOCH 600	
	MT Machine	Up to 3mm / MY-2	
	Digital Thermometer	0~1740 °C / Wire and wireless	2 Units



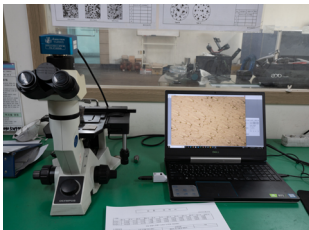
Universal Material Testing Machine



Impact Testing Machine



Component Analyzer



Microscope

Business Division	Equipment	Measurement Range / Model	Remarks
Casting Division	Compression Testing Machine	Max. 10KN / JI-135	
	Electrical Box Furnace	Max. 1200°C	
	Mounting Measuring Machine	1 Kw, Ø32 / TM-MPA100	
	Radiometer	0.0001~10000mSv	
	Electronic Scale	0.001~200g	
	Particle Size Analyzer	20~270 mesh	



Compression Testing Machine



Electrical Box Furnace

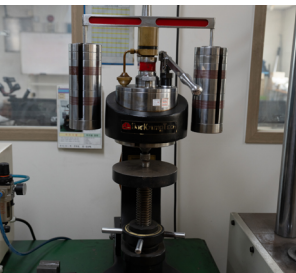


Mounting Press



Radiation Detector

Business Division	Equipment	Measurement Range / Model	Remarks
Casting Division	Brinell Hardness Tester	Max. 3000Kg / Auto-Manual-Portable	3 Units
	Metaloscope	Max. X1000 / IM-7100	
	Polishing Machine	1400 RPM , 550 x 820 x 970 mm / P-2G	
	Black Light	310 x 210 x 220 mm / BL400-3	
	Portable Magnetizer	KSIC-3624	
	Ecotip Hardness Tester	HB90-650 / G-Type	
	Band Saw	RF-1018S	



Brinell Hardness Tester



Metaloscope



Polishing Machine



Black Light



Major Inspection Facilities - Machining

Major Inspection Facilities- Machining

Business Division	Equipment	Measurement Range / Model	Remarks
가공 사업부	Coordinate Measuring Machine	VICTOR 121510 : X1200 Y1500 Z1000, Resolution : 0.5µm	
	Illuminance Meter	360µm / SJ 310	
	UT Device	Up to 200mm / EPOCH 600 & EPOCH XT	2Units
	MT Device	Up to 3mm / MY-2	6Units
	Equotip Hardness Tester	HB90-650 / G-Type	2 Units
	Color Difference Meter	CR-10	
	Film Gauge	0-1000µm / HD179-745	
	Thickness Gauge	1-200mm / T145N	2 Units



Coordinate Measuring Machine (CMM)



Illuminance Meter



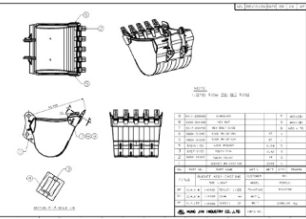
Equotip Hardness Tester

R&D program

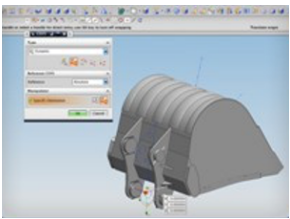
 Research & Development Program

R&D Program

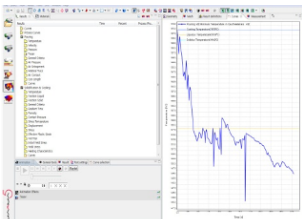
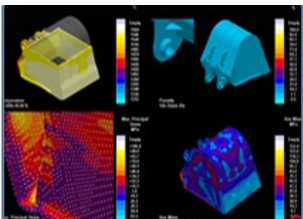
Business Division	Equipment	Measurement Range / Model	Remark
R&D	Design : CAD - 3D	UG - NX 7.5	2 Copy
	Design : CAD - 2D	AUTO CAD 2010	2 Copy
	Solidification Analysis System (Casting Analysis & Simulation)	MAGMA 5.3	1 Copy



Unigraphic-NX



Magma Soft



 Development Plan

Development Plan



KM3 Suryong (K-self-propelled ferry)



K-806 Armored Vehicle



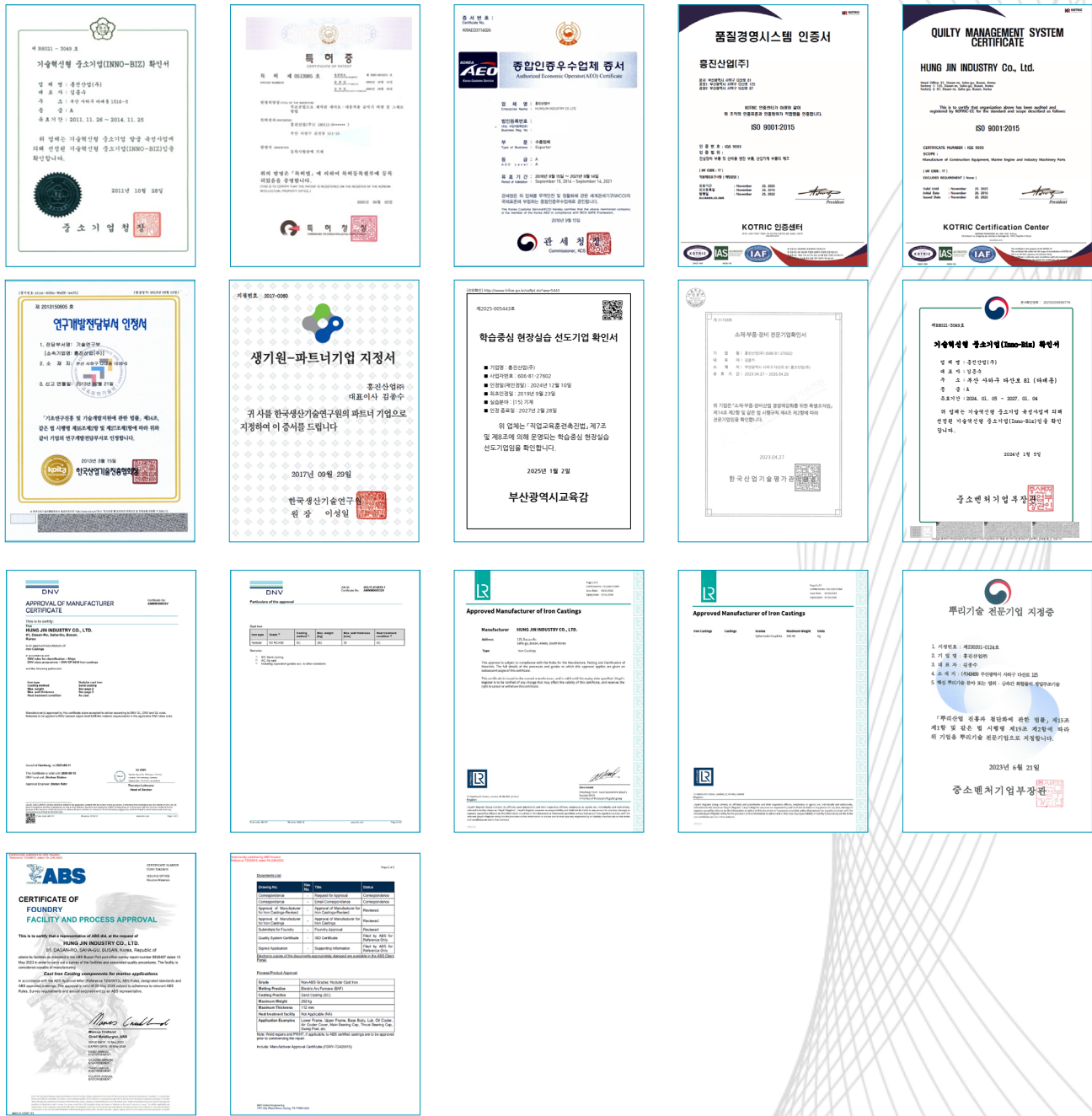
K2 Main Battle Tank



K9 Self-propelled gun

Certification Status

Certification Status



ENVIRONMENT
SOCIAL
GOVERNANCE



ESG Management Policy

Heungjin Industry Co., Ltd. is committed to sustainable management as a socially responsible company. We strive to fulfill our social responsibilities by achieving not only financial performance but also non-financial performance that includes social and environmental values, as well as technological advancements. Our goal is to contribute to the development of our customers and the mutual prosperity of our employees.

- Mission**
 - To be an innovative company
 - To be a company that prioritizes customers
 - To be a company that contributes to society
- Vision**
 - Our vision is to become a leading ESG company through continuous innovation.
- Core Values/Goals**
 - We aim to enhance corporate value through effective environmental and social management, along with strong governance.
- ESG Core Strategies/Key Areas**
 - Climate change response
 - Transparent business operations
 - Cooperation and expansion
 - Strengthened customer satisfaction

ENVIRONMENT	SOCIAL	GOVERNANCE
Strategic Goals		
Climate Change Response Strengthening Resource Recycling	Contributing to Local Communities Enhancing Customer Satisfaction	Strengthening Ethical Management Promoting ESG Management
Major Achievements		
Improved energy efficiency Reduced GHG emissions Expanded recycling of raw materials	Expanded Social Contribution Improved Customer Satisfaction Promotion of Human Rights Management	Strengthened Internal Audit Role Practice of Ethical Management ESG Performance
Key Performance Indicators		
Improvement of Energy Efficiency	Expanding Social Contribution	Strengthening the role of internal audit
Total Energy Consumption Measurement of Energy Consumption Per Unit	Developing Core Social Contribution Activities Increasing Employee Social Contribution Activity Time Increasing Social Contribution Expenditure	Strengthening internal audit capabilities training Strengthening the internal audit organization
Reduction of GHG Emissions	Improving Customer Satisfaction	Practicing ethical management
Total Gas Emission Management Measurement of Greenhouse Gas Emissions Per Unit Use of Renewable Energy	Implementing customer satisfaction survey results Operating customer satisfaction improvement programs	Managing violations of ethical management- related laws and regulations Participating in integrity and ethical pledges Introducing an ethical management monitoring system
Expansion of Raw Material Recycling	Promoting human rights management	Achieving ESG performance
Management of Key Raw Material Consumption Measurement of Key Raw Material Recycling	Establishing human rights management guidelines and policies Conducting monitoring by detailed human rights management regulations/guidelines	Establishing an ESG management organization Publishing ESG reports