



ENG.



NO.1 ALUMINUM SUPPLIER



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(株)韓國非鐵 I KOREA NON-FERROUS METALS CO., LTD.

KNF STORY

NO 1.
Stockholding & Qualified
Aluminum Supplier

Korea Non-Ferrous Metals, KNF

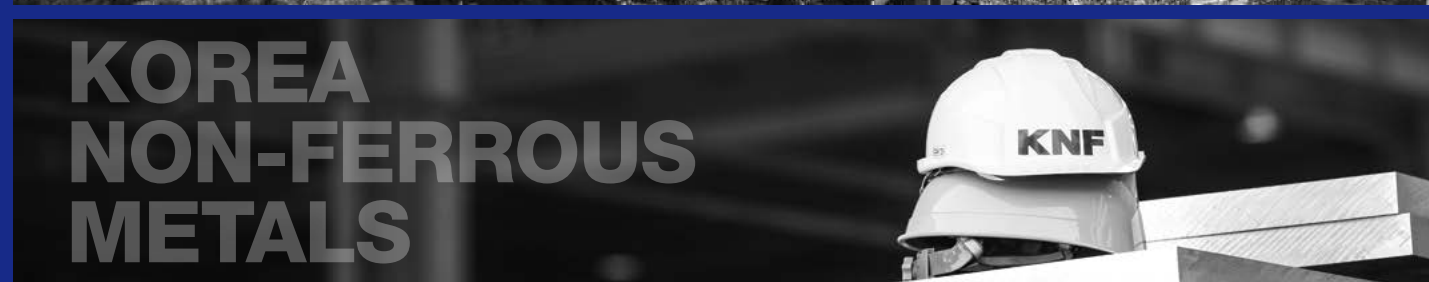
KNF in Seoul, Busan, Sacheon, Asan cities in South Korea and Suzhou city in China, is one of the most comprehensive metal service centers in Asia providing an expansive inventory of Alminum plates, sheets, extrusion for all industries. We offer toal material management solutions to our customers with a full range of metal processing, purchasing and warehousing, all deliverd in an expdient, efficient manner to the customers.

Our customer base consists of industrial players from Aerospace / Defense, Electronics, Precision Engineering, Automotive and Marine / Silo segments. Also KNF branches have state of the art processing equipment offering full or cut-to-size materials with automatic sawing machines.

We guarantee to supply our Aluminum materials with high-standard quality and competitive price on schedule. To be the best partner who could share vision and prosperity with you, we will keep the passion and continue to increase our effort to achieve our goals.

ONE-STOP Aluminum Service Provider

- # Aerospace Aluminum
- # Aluminum Cut-To-Size
- # Aluminum Shortage / Urgent Purchase
- # Expansive Inventory
- # Aluminum Stockholding / Warehousing
- # On-time Delivery / JIT Management



We have ALL brands of Aluminum.
KNF is also known as
"Aluminum Bank" & "Hanbee"

KNF's Slogan "Aluminum Bank" means, as every type of money is handled by bank, KNF handles all types and global makers. KNF has been contracted to world leading aluminum mill brands and maintains strong partnerships. Especially Arconic(Alcoa), Slim Fusina helped us to supply high-quality aluminum products with competitive unit price to our customers. For your information, KNF's website URL is written as "Hanbee", which is abbreviation of Korean word - Korea Non-Ferrous Metals.

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Cost Saving
 Mill direct purchase to cut-to-size through our One-Stop service.
 (LTA with Arconic(Alcoa) / Slim Fusina Products)
- 
Efficient Stock Management
 Expansive Stokckholding (Aluminum Plates / Sheets etc.)
 KNF secures aluminum stock in various materials and sizes
- 
Metal Processing
 Minimize aluminum loss by cutting at the exact desired dimensions
- 
Reliable Quality
 AS9120, ISO9001, ISO14001 Qualified
 Traceability of materials by system
- 
On-Time-Delivery
 Strong with shortage back-ups

KNF SERVICE

**BEST QUALITY
COST SAVING
ON-TIME DELIVERY**

Metal Processing Cut-To-Size & Heat-Treatment

- Minimize Aluminum loss by the automatic cutting machine at the exact desired length
- Possible to order the exact quantity & sizes of each materials
- Our variety of machines and facilities can supply Aluminum to various industries with urgent order or large quantity production

On time delivery to everywhere

- Saving transportation cost
- KNF has 5 branches for better communications and fast delivery
- Strong partnership with logistics service providers
- We deliver Aluminum to your designated place with trust

Expansive range of Aluminum Stockholding

- No need for separate Aluminum material storage, we keep your stocks with consistent quality
- Stocks available for urgent orders / prevent the stock shortage

Mill Direct Purchase by Global Partnership

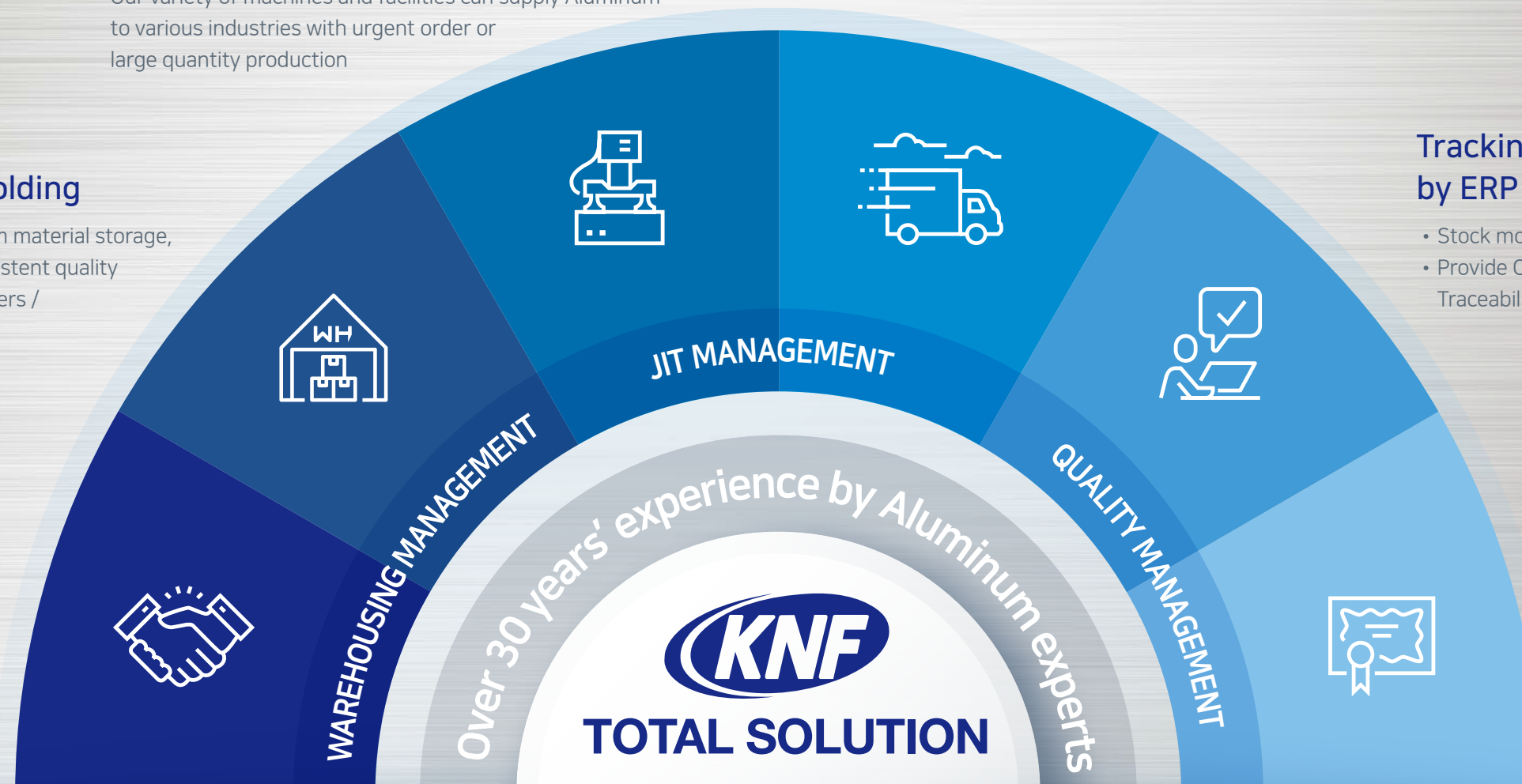
- LTA with Aluminum makers around the world
- Saving total cost

Tracking management by ERP System

- Stock monitoring
- Provide Certified Inspection Report and Operate Traceability Management by Alloy and LOT number

Quality Approval

- Acquired AS9120 as the first Aluminum distributor in South Korea (Supplying High Quality Aluminum alloy for Aerospace & Defense Aluminum)
- Acquired ISO 9001, ISO14001



Cut-To-Size



Warehousing



Automatic Cutting



Heat-Treatment



Direct Delivery

BUSINESS INDUSTRY

Our Products are used in a wide range of markets around the world



AL Suppliers

DIRECT DELIVERY FROM WORLD CLASS ALUMINUM MAKERS



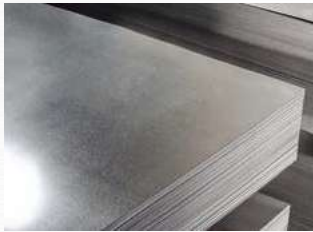
AL Products

KNF OFFERS HIGH QUALIFIED ALUMINUM PRODUCTS

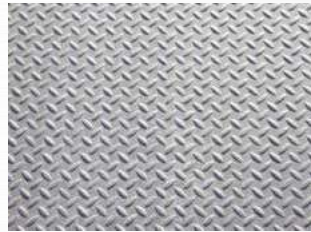
A2xxx, 3xxx, 4xxx, 5xxx, 6xxx, 7xxx and more (Aluminum Plates / Sheet / Coil / Rod / Extrusion etc.)



PLATE



SHEET



TREAD PLATE



EXTRUSION

AEROSPACE AND DEFENSE

ALUMINUM for Aerospace and Defense

AS9120, ISO9001, ISO14001 Certified
Proud member of IAQG, KAIA, KDIA

KNF ADVANTAGE

- Operate Aerospace&Defense Aluminum Center at Sacheon Branch
- Supply high-qualified Aerospace materials approved by International Quality Management (AS9120)
- Provide Certified Inspection Report and Operate Traceability Management by LOT of every Aerospace & Defense materials

PRODUCT

TYPE	ALLOYS	SPEC
PLATE & SHEET	A2024-T351/T851	AMS-QQ-A-250/4, AMS-QQ-A-250/5, AMS4268, ASTM B209
	A7050-T7451/T7651	AMS4050, BMS7-323 Type I / Type III, MEP02-014, ASNA-3048, AIMS03-02-019/022, BAMS516-003
	A7075-T651/T7351	AMS-QQ-A-250/12, AMS4078
	A7475-T7351/T7651	AMS4090, AMS4089, AMS4202, FMS3004, BAMS516-002, MEP02-013
	A2124-T351/T851	AMS4101, AMS-QQ-A-250/29, FMS3002, FMS3008
	A7175-T7351	ABS5064, AIMS03-02-008
	A6061-T6/T651	AMS-QQ-A-250/11, AMS4027, ASTM B209, EN485-2/573.3

* Please visit our website for more information.



AIRPLANE STURCTURE



TANK



MISSILE

KNF PARTNERS



INDUSTRIAL SOLUTION

ALUMINUM for Semiconductor and Display

KNF ADVANTAGE

- Operate Semiconductor & Display Aluminum Center
- Supply Aluminum material for Main Process Parts including Chamber and more
- Direct Mill Order from many global manufacturers, and supply high quality aluminum

PRODUCT

TYPE	ALLOYS	SPEC
PLATE & SHEET	A6061-T6/T651 A5052-H112/O A5083-H112/O	AMS4027 / ASTM B209
OTHERS	SLAB	-

* Please visit our website for more information.



MACHINE CHAMBER



SOLAR POWER



ROBOT

KNF PARTNERS

SEMES

WONIK IPS

PSK

DONGWON PARTS

HANTOP

ONES

Thermal Technology System Co.,Ltd.

WIZIT

MECARO

YMC Co., Ltd.

SHIPBUILDING AND SILO STORAGE

ALUMINUM for Shipbuilding and Silo Storage

KNF ADVANTAGE

- The excellent corrosion resistance and welding capability
- Long experience supplying Aluminum material for special structure such as Silo Storage, LNG Tank, Helideck etc.
- Supply reliable materials with official Ship's classification within IACS class such as KR, DNV-GL

PRODUCT

TYPE	ALLOYS	SPEC
PLATE & SHEET	A5083-O/H116/H321, A5086-H116, A5456-H116, A5454-O/H32/H34, A5383-H116/H321	KR, DNV-GL etc. ASTM, ASME, EN etc.
EXTRUSION	A6061-T6, A6063-T5, A6082-T6, A5083-H111, A5086-H111, A5454-H111	KS D
OTHERS	BIMETAL STRIP	MIL-J-24445A

* Please visit our website for more information.



SILO STORAGE



MULTI-PURPOSE TRAINING BOAT



HELIDECK

KNF PARTNERS

HYUNDAI
HEAVY INDUSTRIES

HANJIN HEAVY INDUSTRIES
& CONSTRUCTION GROUP

DSME
DAEWOO SHIPBUILDING &
MARINE ENGINEERING CO.,LTD.

DHSC
DAEHAN SHIPBUILDING CO.,LTD.

samkang

DAE SUN

Human
Heavy Industries Co.,Ltd.

GHI
YACHTS

Sindo ind, Co. Ltd.

SAMKWANG
Shipbuilding & Engineering Co., Ltd.

HEAVY ELECTRIC AND AUTOMOTIVE

ALUMINUM for Heavy Electric & Automotive

KNF ADVANTAGE

- Manage Aluminum material portfolio accurately for customer's necessary parts such as Ingot, Rolled Products, Extrusion, Forgings, Castings, and more
- Lead Advanced Materials business for Automotive industry applied to OIL COOLER, EGR, EV BATTERY PACK and more
- Not only supply Aluminum materials to make BMW, VW, HMC automobile, but also proceed R&D services for Electric Vehicle, Fuel Cell Vehicle and more
- Offer R&D Services like developing special alloy products, offering different types of materials' sample and many more
- Supply various types of materials such as Brazing Coil, Forged Flange etc. to deduct the cost and loss of material
- Long experience supplying Aluminum materials for Heavy Electric companies such as Hyosung, Hyundai Electric and more

PRODUCT

TYPE	ALLOYS	SPEC
PLATE & SHEET	A5083-O, A5083-H112, A5052-H112, A6061-T6	ASTM / EN
EXTRUSION	A6061-T6	ASTM / EN
OTHERS	A5083-FLANGE	GB

* Please visit our website for more information.



VEHICLE STRUCTURE



ULTRA HIGH VOLTAGE CIRCUIT BREAKER



ALUMINUM FLANGE

KNF PARTNERS



QUALITY APPROVAL

GLOBAL PARTNERSHIP



KNF & ARCONIC(ALCOA) Authorized Distributor Agreement
(Since Y1994)

KNF & SLIM FUSINA Authorized Distributor Agreement
(Since Y2017)

CERTIFICATES



KNF & ARCONIC(ALCOA)
25 Years of Partnership Award

KNF & ARCONIC(ALCOA)
25 Years of Partnership Award

AS9120

Aerospace Standard 9120
(Quality Management System)

ISO14001

Environmental Management
System

ISO 9001

Quality Management System

Certificate of Excellent
Technology

Cutting and Processing

Certificate of Excellent
Technology

Heat Treatment AL4U
(A6061-T6 Grade)

Hidden Champion
Company Award

Hidden Champion by Ministry
of Employment and Labor

Main Biz Award

Innovative Activity on Business
Performance in Management +
Innovation + Business

Certificate of
Trademark Registration

AL4U (A6061-T6 Grade)