KBM

Company Introduction

- Introduction to KBM
- Overview of KBM's Business
- Overview of Chiller Business
- Overview of Tungsten Business
- Overview of Cobalt and Nickel Business

KBM treasures the trust with customers and has been trying to give the highest satisfaction to customers.

KBM Introduction

➢ KBM Company Overview

- **Sales** 65.1 million USD
  (Including overseas branches: 88.1 million USD)
- **Employees** 85 (Including overseas branches: 150)
- **Business Areas** Chillers, pneumatics, lithography equipment, secondary battery raw materials, Tungsten powder supply and semiconductor equipment parts manufacturing
- **Manufacturing Facilities and Customer Sites**





➢ Affiliates

- **KBM Japan** Tungsten powders and automotive parts
- **KBM China** Rare metals (tungsten, molybdenum) and wear-resistant products
- **KBM Tools** Carbide cutting tools such as turning, milling, drilling, and CBN inserts
- **AAT** Probe Card Manufacturing for Logic Asic

➢ Company History

2001	02	Established KBM Corporation
2004	08	Began transactions with ZW (exclusive agency)
2005	01	Acquired ISO 9001/ ISO 14001 Certificates
	09	Established Corporate Research Institute
2007	12	Established KBM JAPAN [Tokyo, Japan]
2009	01	Began transactions with GEM (exclusive agency)
2011	03	Established KBM CHINA [Shanghai, China]
2012	09	Awarded for Korea-Japan industrial cooperation from the Ministry of Knowledge Economy
	12	Selected as a World-class Product Manufacturer
2013	12	Awarded the 'Ten Million Dollars Export Tower'
2016	11	Opened Naju Plant [Naju Innovation City, Jeonnam]
2017	03	Awarded as an Excellent Taxpayer
2018	01	Selected as a Root Industrial Enterprise
2019	02	Awarded as a Regional Export Leader
2020	05	Designated as a Global Small Giant
2022	04	Acquired ISO 45001 Certificate (OHSMS)
2023	12	Selected as an Region Innovation Leader
2024	02	Selected as a participant in the regional specialized project 'Legend 50+'
	05	Signed an exclusive distribution agreement for SMC chillers and pneumatics

Overview of KBM's Business

Non-pneumatics



High Vacuum Valves



AP TECH
(For Gas Applications)



Chemical Liquid Valves



Electric Actuators



Flow Meter, Flow Switch

Pneumatics



Air Cylinders



Directional Control Valves



Fluid Control Valves



Vacuum Equipment



Air Units

Metal Powders & Cutting Tools



W powder



Raw materials for Secondary battery cathode materials



Co/Ni powder



Cutting Tools

Semiconductor Equipment



Magnetic field Prober



Evaporation System



Double-sided LDI Lithography Machine



FPCB Roll to Roll Lithography Machine

W, Mo components/materials



Molybdenum mesh



Probe Pin



Probe Card



Electron / Ion Beam Filament



Tungsten VM Coil



Aluminum Evaporant

SMC Company Overview

- **Website** www.smcworld.com
- **Sales** 5.3 billion USD (824.7 billion JPY)
- **Employees** 22,988
- **Global N/W** 83 countries and 560 regions worldwide
- **Business Areas** 7 sectors, including pneumatic systems and chillers


Air Cylinder


Thermo-chillers


Thermo-cons

Total Solution Provider

Value-Added Service
Circuit design and sizing
Low-cost, simple system proposals
Equipment performance improvement
(support from SMC-JP for system construction)
Optimizing over-spec equipment and systems
Regular technical seminars for skill enhancement

Convenience Assurance
Competitiveness of TOTAL PRODUCT
Quick delivery
Inventory reservation for large-scale equipment
Prompt response to trouble shooting
Maintaining stock of SPARE PARTS





Realizing Customer Priority

Diverse Product Supply
Quality assurance
Manufacture customized product / Provide product information
Simplify parts inventory through standardization

Differentiating Customer Value
Guarantee reasonable pricing
Implement customer priority through competitive advantage

Korea SMC Daejeon Factory Logistics Warehouse


Daejeon Factory 1


KCW / Korea Central Warehouse



Daejeon, Korea

Location
70, Sinilseo-ro 18beon-gil, Daedeok-gu, Daejeon, Korea

A key production and logistics base supporting KBM as an authorized SMC distributor

Key Roles

1. **KCW Warehouse** — A central logistics hub holding more than 40,000 items and supplying customers, sales offices, and dealers nationwide.
2. **Daejeon Factory** — Produces and assembles cylinders, valves, and valve manifolds, while supporting customized orders.
3. **Integrated Operation** — Manages receiving, inventory, packaging, and shipping through an integrated transport and barcode system.
4. **KBM Support** — Enables stable product supply, quotation support, and delivery coordination for customers in Korea.

Eco-friendly response for GHG Reduction

Eco Products

Evaluate & minimize environmental impacts of products
Developing environmentally-friendly products

Air Cylinder
Weight: Up to 54% lighter

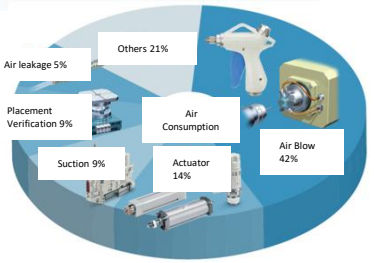


Thermo-chillers
Power Consumption : Reduced by **34%**



Energy Saving

Eco Products for air equipment which represents approx. 20% of a plant's power consumption

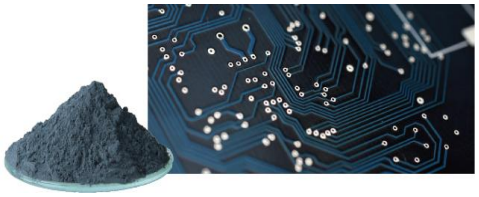


Global N/W

Countries / regions : Approx. **80** | Local services locations : Approx. **500** | Countries/regions with production facilities : Approx. **30** | Employees : Approx. **23,000**

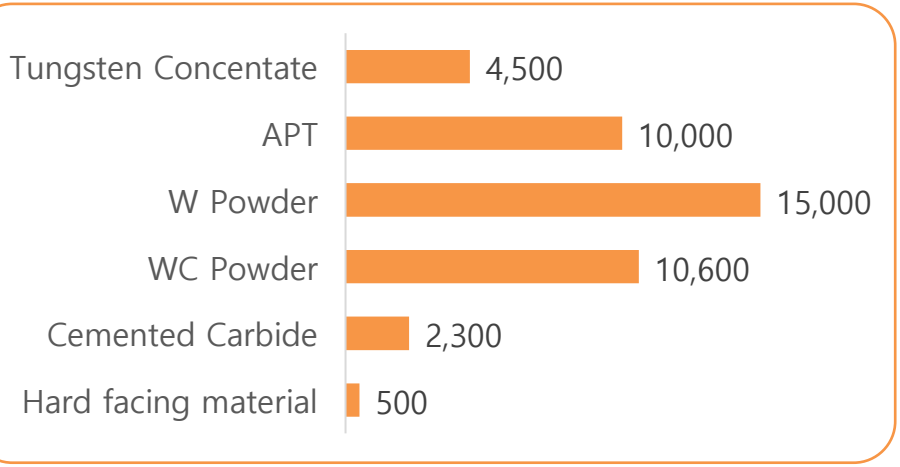
Overview of Zhangyuan Tungsten

- **Website** http://www.zy-tungsten.com/
- **Sales** 439.8 million USD (3.2 billion RMB)
- **Main Products** Tungsten Concentrates, APT, WO3, WC, Cemented Carbides





Key Production Capacities (tons/year)



Owned Mines and Exploration Rights (as of 2025)

- **Owned Mines** 6 mines with reserves of 96 million tons
  5.33% of total Chinese reserves, Mining lifespan over 30 years
- **Exploration Rights** 8 mines, total exploration area of 154 km²



Production Facilities

Powder: 3 plants / Cemented Carbide: 1 plant







5G Electronics Intelligent Plant (Powder Plant #3)





Company Overview of GEM

- **Website** www.gem.com.cn
- **Sales** KRW 5.65 trillion (RMB 29.3 billion)
- **Employees** 9,000
- **Business Areas** Anode materials, precursors and raw materials for secondary batteries
  Cobalt for cemented carbide



Full Life Cycle Value Chain Business of Power Batteries



Electronic Waste Recycling Business



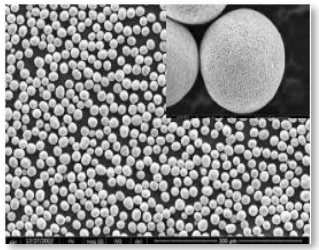
Recovery Business for Scarce Resources such as Nickel, Cobalt and Tungsten

RECYCLING THE WORLD AND MAKING CONTRIBUTIONS TO BUILDING A COMMUNITY WITH SHARED FUTURE FOR MANKIND



NCM Precursors

- Second Largest Market Share Worldwide
- Used in 15% of the global EV ternary batteries
- Production Locations: Jingmen, Fu'an, Taixing / Annual Production: 260,000 tons







NCM Precursor Nickel MHP

- Collaborating with numerous global corporations to establish manufacturing facilities in Indonesia
- Located in Morowali, Indonesia /Annual MHP Production: 150,000 tons









Thank you

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