

A photograph of a modern industrial building with a grey facade and red accents. The building has large windows and a prominent entrance. The sky is blue with some clouds. The text "KOREA TUNGSTEN" is displayed in large white letters on a red background, with the tagline "For a better life." below it.

KOREA TUNGSTEN
For a better life.

COMPANY INTRODUCTION 2026

KOREA TUNGSTEN

Refractory metal supply and ultra-precision machining.

Tungsten · Molybdenum · Tantalum · Niobium · Rhenium

koreatungsten.com

seanjin@innomt.co.kr

+82-2-6408-4239

Head office and plant · Paju, Republic of Korea

Company Overview

Refractory metal specialist since 1993

Korea Tungsten machines refractory metals — tungsten, molybdenum and tantalum above all. We make heaters and crucibles, evaporation coils and filaments, sputtering targets and electrodes, and supply them to the semiconductor and display, medical and radiation, energy and fusion, and aerospace and defense industries.

COMPANY PROFILE

Company	Korea Tungsten Co., Ltd. (KTM)
Founded	1993 as Leejin Korea · Korea Tungsten established 2002 · incorporated 2010
Representative	Jin Chan-woo
Head office / plant	83 Bideukbawi-gil, Jori-eup, Paju-si, Gyeonggi-do 10949, Korea
Overseas division	INNOMT Co., Ltd., Goyang-si, Gyeonggi-do, Korea
Business	Refractory metal supply · precision machining · industrial heater manufacturing
Materials	W · Mo · Ta · Nb · Re · Cr and their alloys



Corporate R&D Center, Paju

40+

Years in business

4,000+

Product types in W · Mo · Ta

500+

Partner companies and institutes

20+

Export countries and regions

Vision, Mission and Values

Where we stand, what we do for customers, and what we will not trade away

VISION

Korea's leading refractory metals specialist

Tungsten, molybdenum, tantalum and niobium — supplied to the global advanced materials industry, to a standard customers and industry trust.

MISSION

Raising our customers' competitiveness

Beyond simply supplying material, we add value across design, manufacturing, machining, quality control and delivery, on a stable supply chain built around what each customer asks for.

CORE VALUES

Three commitments

01 Technology and quality — certified raw material, handled by specialist technicians from the first cut to the last.

02 Customers and partners — the customer's value comes first in every judgement we make.

03 People and society — we respect people and we keep the workplace safe.

Milestones

Three first-generation Korean tungsten makers, brought into one company

1993 – 2005 FOUNDATION

- 1993** Leejin Korea founded
- 2001** Raw material supply and export begun
- 2002** Korea Tungsten founded
- 2003** Selected as Samsung SDI supplier
- 2004** Selected as a Tier 2 supplier to Hynix
- 2005** Merged with Hanil Tungsten

2007 – 2010 CERTIFICATION

- 2007** Plant relocated · CLEAN workplace certified
- 2008** ISO 9001 certified
- 2009** R&D Center accredited
- 2010** Incorporated as Korea Tungsten Co., Ltd.

2011 – 2016 SCALE

- 2011** Merged with Goryeo Daesung
- 2012** Paju plant established
- 2013** Selected as an LG Display supplier
- 2014** Paju plant expanded
- 2016** INNOMT established

2017 – 2026 GLOBAL

- 2017** Designated as a Materials & Parts Specialist
- 2018** Trade show participation · Office renovated
- 2019** Corporate website relaunched
- 2020** ITER & defense contracts secured
- 2022** 30 overseas agreements signed
- 2026** MCE Specialist Certification

Business Areas and Industries Served

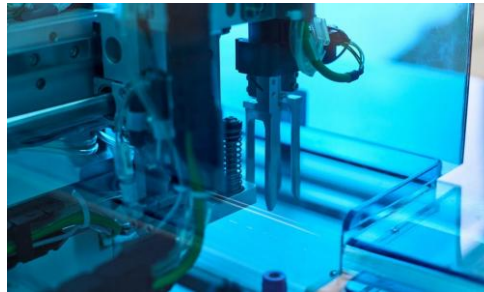
BUSINESS AREAS

- 01 Tungsten machining
- 02 Molybdenum machining
- 03 Industrial heater manufacturing
- 04 Vacuum evaporation coils and filaments
- 05 Ion and electron beam components
- 06 Raw material and consumable supply

Small-lot, high-mix

One prototype through to repeat production, machined to a drawing or to a physical sample.

INDUSTRIES SERVED



Semiconductor & Display



Medical & Radiation



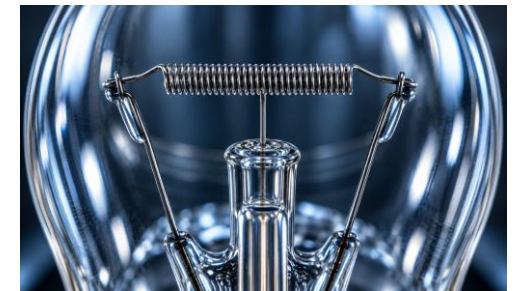
Energy & Fusion



Aerospace & Defense



Automotive & Tooling



Electrical & Lighting

Customers and Partners

Around 450 companies and more than 30 universities and research institutes in Korea

Large enterprises



Research institutes and universities



Specialist manufacturers



450+

companies supplied in Korea

30+

universities and research institutes

4000+

Product types in W · Mo · Ta

20+

export countries and regions

Logos shown are customers and partners of Korea Tungsten. All trademarks belong to their respective owners.

Global Reach

Parts made in the Paju plant, supplied directly to nine countries and regions



OVERSEAS DIVISION

INNOMT CO., LTD.

The official overseas division of Korea Tungsten. The same product range as the head office, handled end to end from the first enquiry to shipment.

EXPORT MARKETS

Korea · Head office

- | United States
- | Japan
- | China
- | Taiwan
- | Europe
- | Malaysia
- | Singapore
- | Russia
- | Australia

Product Portfolio

01 Raw Materials

- Plate and sheet
- Rod and bar
- Wire
- Ribbon



02 Heaters and Heating Elements

- AlN heater (Mo)
- MOCVD heater
- OLED heater
- Vacuum deposition coil



03 Semiconductor and Process Parts

- Filament
- Ion implanter components
- Sputtering target
- Boat and crucible
- Mesh



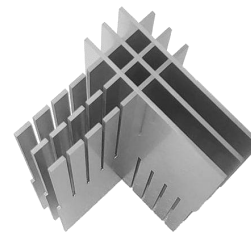
04 Electrodes and Precision Parts

- Electrode (W · WCu)
- Pin and discharge needle
- Cap and cover
- Screw · rivet · nut
- Ball, Shield and counterweight



05 Shielding and Energy Components

- ITER components
- Collimator
- Cathode and anode



06 Machined to Drawing

- 3D machining to drawing
- Semiconductor process parts
- Welded and assembled parts
- Vacuum and deposition parts



Job counts are documented deliveries published on the company blog between 2012 and 2026. Standard sizes ship from stock; anything outside the standard range is made to a 2D or 3D drawing.

Raw Materials

01

Standard forms supplied from stock; non-standard sizes made to drawing



01

Plate and sheet

MATERIALS

W · Mo · Ta · Nb

SIZE

0.05 – 50.0 mm



02

Rod and bar

MATERIALS

W · Mo · W-Cu

SIZE

Ø1.0 – Ø150 mm



03

Wire

MATERIALS

W · Mo

SIZE

Ø0.01 – Ø3.0 mm



04

Ribbon

MATERIALS

W · Mo

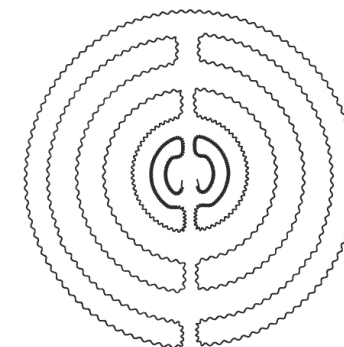
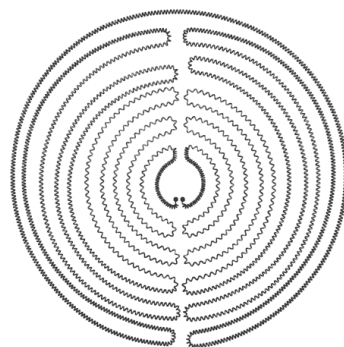
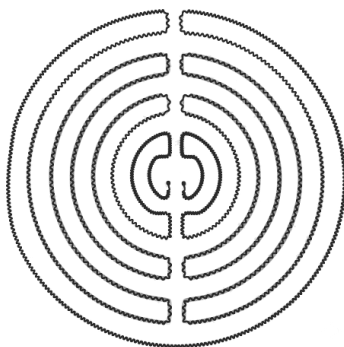
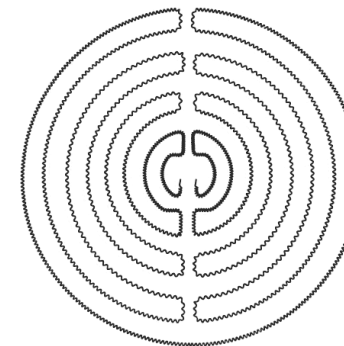
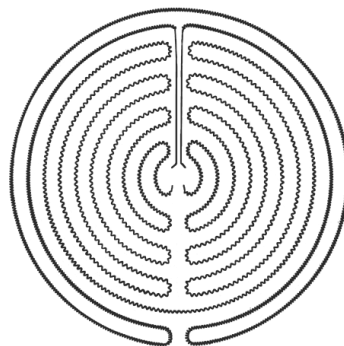
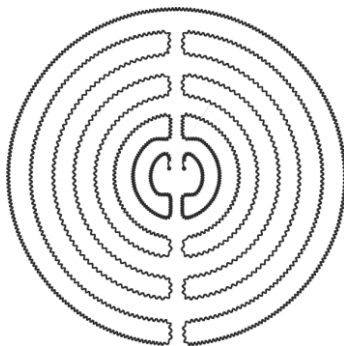
AlN heater (Mo)

Heating parts for process chambers, vacuum furnaces and deposition equipment

02 · 01

■ FEATURE

Mo element in AlN ceramic



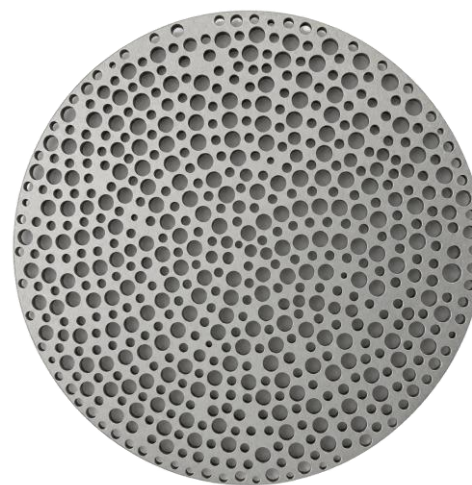
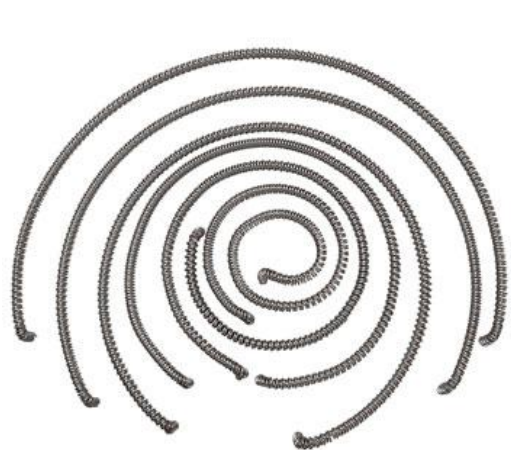
MOCVD heater

Heating parts for process chambers, vacuum furnaces and deposition equipment

02 · 02

MATERIALS

Mo · W



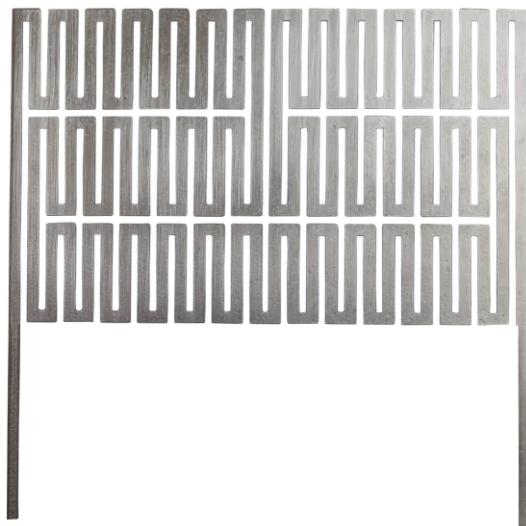
OLED heater

Heating parts for process chambers, vacuum furnaces and deposition equipment

02 · 03

MATERIALS

Mo · Ta



Vacuum deposition coil

Heating parts for process chambers, vacuum furnaces and deposition equipment

02 · 04

MATERIALS

W · Mo · Ta



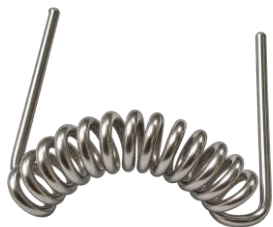
Filament

Consumable and structural parts that sit inside the process

03 · 01

MATERIALS

W · Mo · Ta



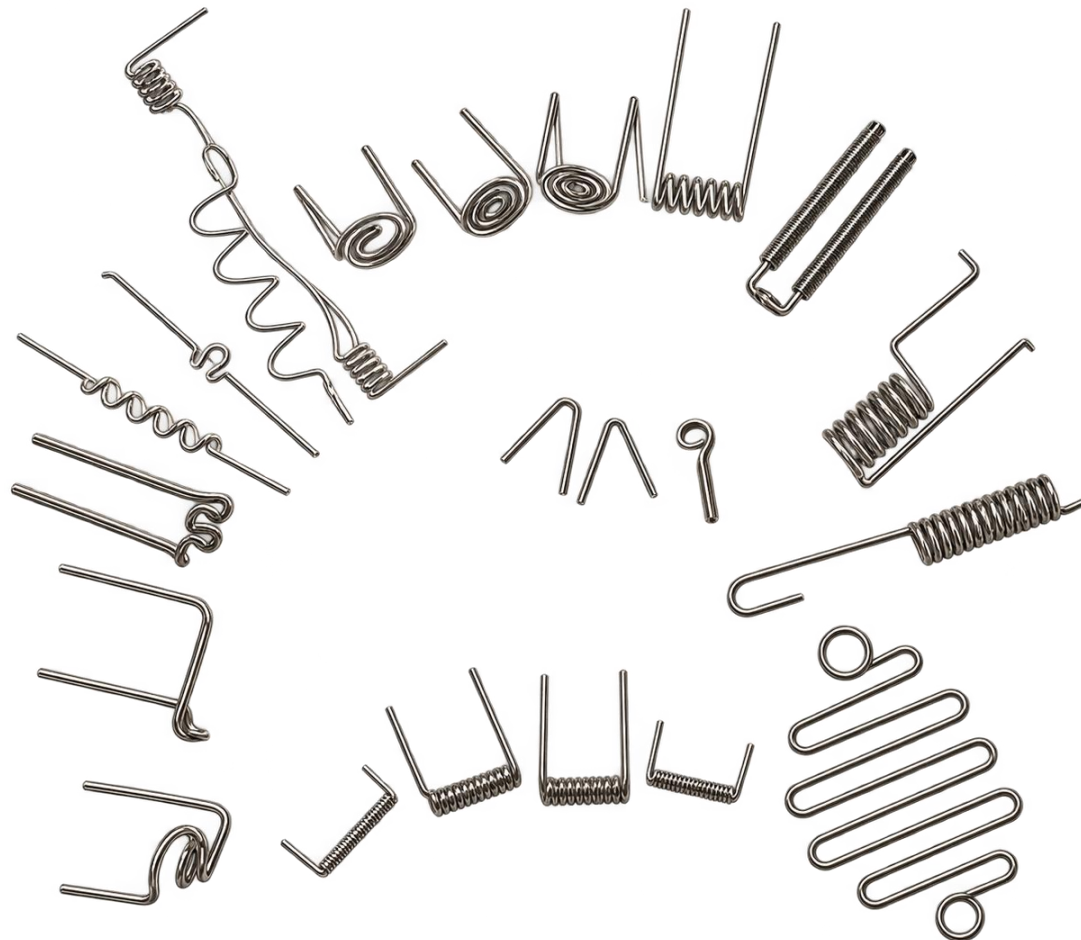
Ion · Electron Beam

Consumable and structural parts that sit inside the process

03 · 02

MATERIALS

W · Mo · Ta



Sputtering target

Consumable and structural parts that sit inside the process

03 · 03

MATERIALS

W · Cu



Boat and crucible

Consumable and structural parts that sit inside the process

03 · 04

MATERIALS

W · Mo



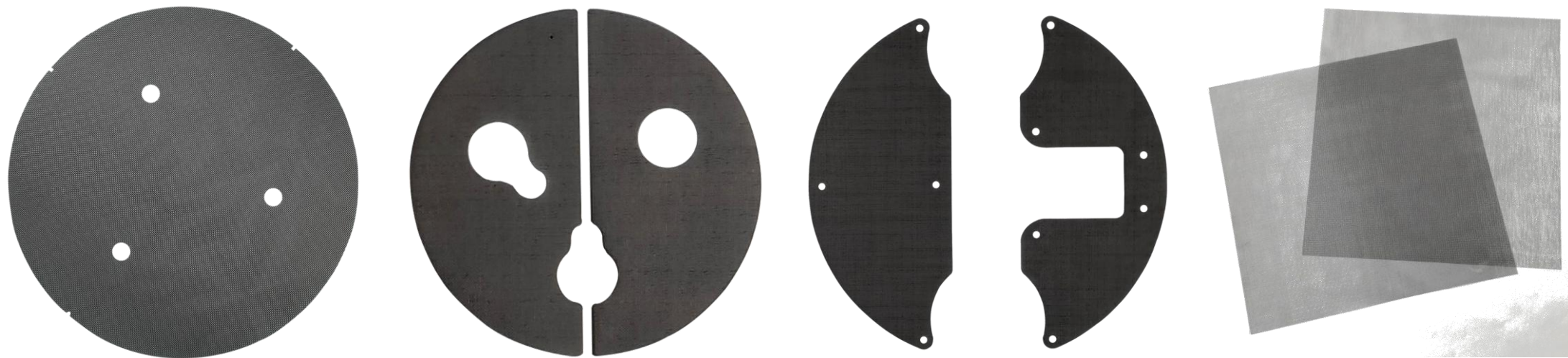
Mesh

Consumable and structural parts that sit inside the process

03 · 05

MATERIALS

Mo · W · Ta



Electrode (W · WCu)

Machined parts where wear, arc and temperature decide the service life

04 · 01

MATERIALS

W · Cu



Pin and discharge needle

Machined parts where wear, arc and temperature decide the service life

04 · 02

MATERIALS

W · Mo



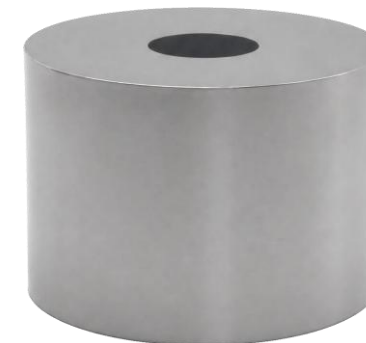
Cap and cover

Machined parts where wear, arc and temperature decide the service life

04 · 03

MATERIALS

W · Mo · Ta · Nb



Screw · nut · rivet

Machined parts where wear, arc and temperature decide the service life

04 · 04

MATERIALS

W · Mo



Ball, Shield and counterweight

Machined parts where wear, arc and temperature decide the service life

04 · 05

MATERIALS

W · Mo · WNiFe



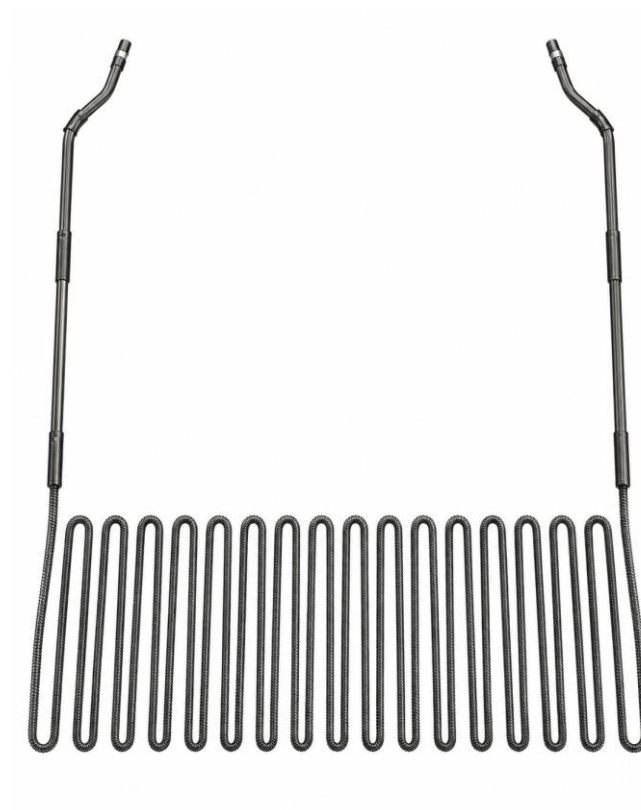
ITER/ energy components

Parts that use the density and atomic number of tungsten

05 · 01

MATERIALS

W · Cu



Collimator

Parts that use the density and atomic number of tungsten

05 · 02

■ MATERIALS

W



Cathode and anode

Parts that use the density and atomic number of tungsten

05 · 03

MATERIALS

W · Cu



3D machining to drawing

605 documented jobs since 2014 — the largest single block of our work

06 · 01

MATERIALS

W · Mo · Ta



Semiconductor process parts

605 documented jobs since 2014 — the largest single block of our work

06 · 02

■ MATERIALS

W · Mo · Ta



Welded and assembled parts

605 documented jobs since 2014 — the largest single block of our work

06 · 03

MATERIALS

W · Mo · Ta



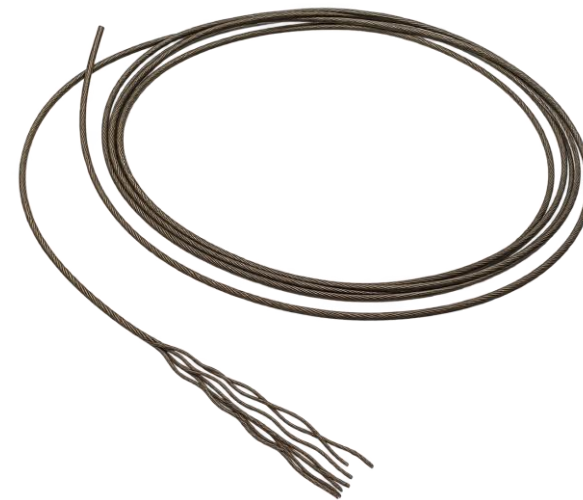
Vacuum and deposition parts

605 documented jobs since 2014 — the largest single block of our work

06 · 04

■ MATERIALS

W · Mo



Equipment in House

Machined, finished and heat-treated inside our own plant

WHY IT IS ALL IN HOUSE

Tungsten, molybdenum and tantalum do not cut like ordinary metal. They are hard, brittle and unforgiving, and a process tuned for steel will chip or crack them.

So we keep the work inside the plant. Turning, milling, wire EDM, laser cutting and welding, grinding and vacuum heat treatment are all carried out on machines we own and operate in Paju — which is how schedule and quality stay in our own hands.

CAPABILITY

Materials	W · Mo · Ta · Nb · Re and alloys
Tolerance	To drawing, per material and geometry
Surface finish	To the Ra the application needs
Volume	Prototype through to repeat production

Applicable tolerance, finish and envelope depend on the drawing and the stated requirements. A full equipment list is available on request.



CNC Machining Center



CNC Turning Center



CNC Lathe



Precision Milling Machine



Precision Lathe



Wire EDM



Small-hole EDM Machine



Precision Surface Grinder



Laser Cutting Machine



Laser Welding Machine



Lapping and polishing machine



Vacuum Heat Treatment Furnace

Quality Management

Checked at every stage, not once at the end

01 IQC

Incoming inspection

Verify incoming material against requirements.



Measuring microscope

High-precision observation and measurement

02 IPQC

In-process inspection

Check dimensions and surface between operations.



2D vision measuring system

Accurate, high-speed dimensional measurement

03 FQC

Final inspection

Measure finished parts for dimension, geometry, surface, defects.

04 OQC

Outgoing inspection

Confirm condition, attach documents, and pack for shipment.



Multi-sensor measuring machine

Reliable measurement for complex geometries

QUALITY DOCUMENTS

Both are issued by accredited certification and testing bodies. Korea Tungsten places the order to the conditions you specify and passes the issued document on with the goods.



Test report

Results from an accredited testing laboratory.



MSDS (SDS)

Hazard and safe-handling data for the substance.

Packaging and Shipment

The part arrives in the condition in which it passed inspection

Size and shape, surface condition, the risk of oxidation and the risk of damage in transit all decide how a part is packed.
Tungsten oxidises in air and is sensitive to moisture, so vacuum packing with silica gel is standard.



Case made for the part



Vacuum packing



Company containers

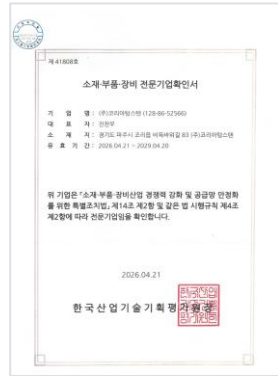


Timber export crate

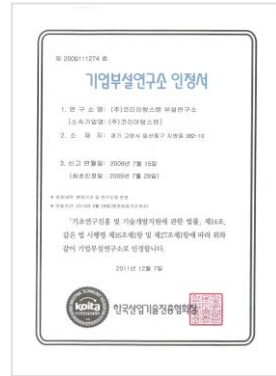
Certifications and Patents

Copies of certificates and patent registrations are available on request.

CERTIFICATIONS · PATENTS · UTILITY MODELS



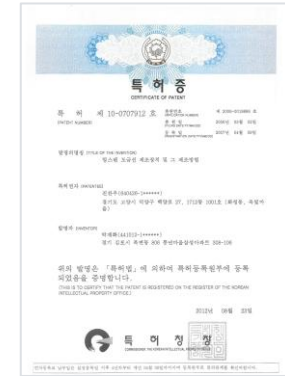
Materials, Components & Equipment Specialist
Korea Evaluation Institute of Industrial Technology



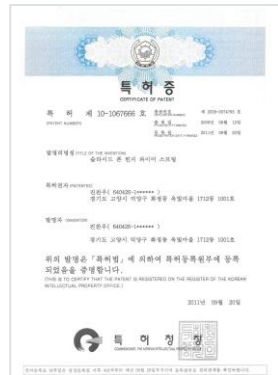
Corporate R&D Center accreditation
Korea Industrial Technology Association



CLEAN Workplace recognition
Ministry of Employment and Labor · KOSHA



Tungsten plated wire
Patent



Slide phone hinge wire spring
Patent



Tungsten discharge needles
Patent



Planar heating element
Utility model



Planar heating element machine
Utility model

Send us a drawing, a sample, or an inquiry

01

Inquiry

Send us a 2D or a 3D drawing, a physical sample, or your equipment and process requirements.

02

Review and quotation

We review the specifications, quantity, and tolerances, then prepare and provide a quotation.

03

Machining

Turning, milling, EDM, laser processing, and grinding are combined as required for each part.

04

Inspection and delivery

Each part is inspected, cleaned, documented, packed, and shipped by the agreed date.

KOREA TUNGSTEN CO., LTD.

Head office · domestic inquiries

83 Bideukbawi-gil, Jori-eup, Paju-si,
Gyeonggi-do 10949, Republic of Korea

T +82-31-975-1717

F +82-31-944-3564

E ceo@koreatungsten.com

W koreatungsten.com

INNOMT CO., LTD.

Overseas division · export inquiries

#1710, Tower A, IS Biz Tower Hangang 3,
50 Eutteum-ro, Deogyang-gu, Gyeonggi-do 10543, Republic of Korea

T +82-2-6408-4239

M +82-10-4942-4239

E seanjin@innomt.co.kr

W innomt.co.kr