



"UZBEKISTAN TECHNOLOGICAL METALS COMPLEX" JSC

Unlocking Potential: TMK's Innovation Catalog



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ACTIVITIES OF THE FUTURE METALS TECHNOPARKS

The Future Metals Technoparks are designed to foster innovation, industrial development, and international collaboration. The Future Metals Technoparks operate across four key areas, grounded in international best practices and the proven success of existing technoparks in Uzbekistan.

Construction and Leasing of Production Facilities

Technoparks will feature ready-built production units, laboratories, office spaces, and logistics infrastructure. These will be available for lease to both local and international companies, including startups and technology-driven enterprises.

- Facilities are designed for rapid setup and cost-efficiency
- Spaces can be customized to meet specific technical requirements, including installations for metallurgical equipment

Land Plot Leasing

Resident companies may also lease land plots within the technopark to construct their own production infrastructure. These leases will be offered under favorable terms, such as:

- Long-term leases (e.g., up to 10 years)
- Tax and customs incentives
- Full access to utilities and infrastructure (electricity, gas, water, road networks, etc.)

Participant Companies and Project Focus Areas

The technoparks will support a wide range of projects in the following focus areas:

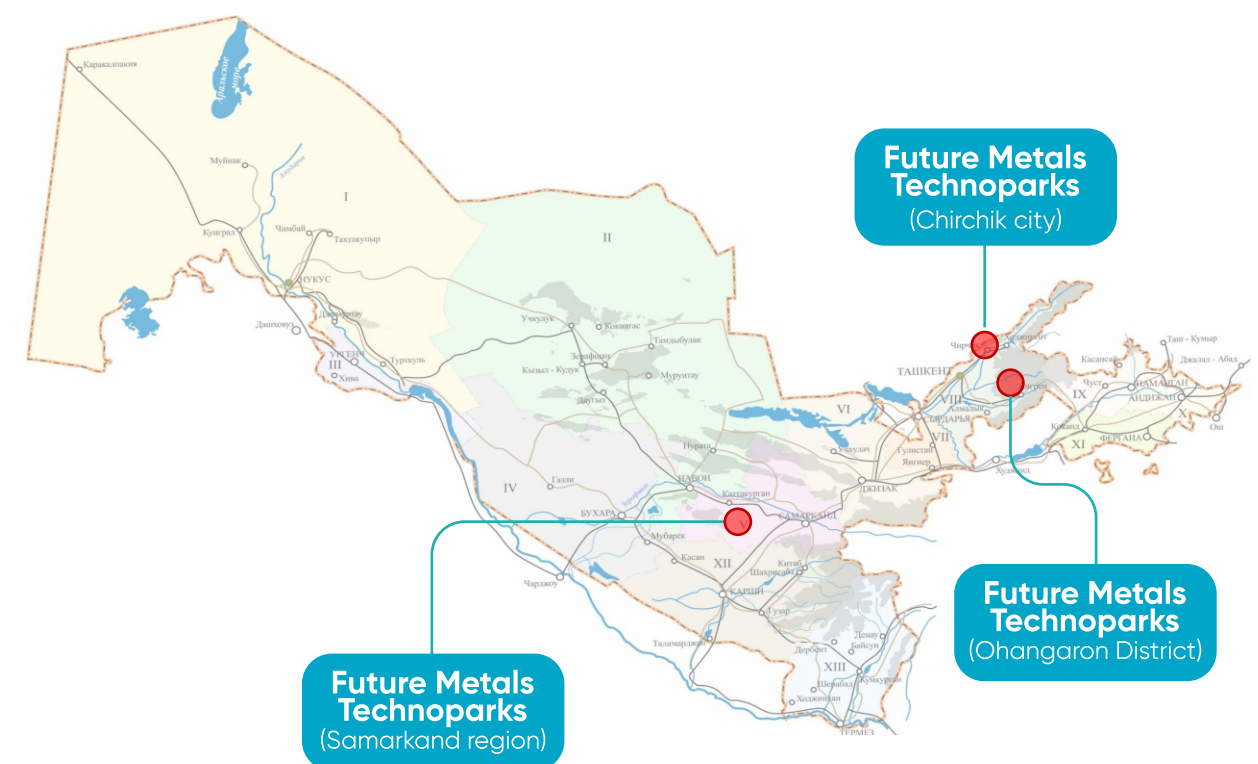
- **Processing of rare and strategic metals:** Technologies for lithium, titanium, tungsten, molybdenum, and other critical raw materials
- **Implementation of innovative technologies:** Translating research into industrial application
- **Import substitution:** Manufacturing high-value products using domestically sourced critical raw materials
- **Export-oriented production:** Creating globally competitive finished products using critical and strategic metals

Support from the Technopark Administration

Companies operating within the technopark will benefit from a comprehensive support package, including:

- **Tax incentives:** 50% reduction on land tax, property tax, and profit tax
- **Customs exemptions:** Imported raw materials, spare parts, components, equipment, and construction materials not produced in Uzbekistan will be exempt from customs duties
- **Grants:** Financial support for innovative and R&D-focused projects
- **Administrative support:** Assistance with regulatory processes and project coordination

Location of Future Metals Technoparks



TMK Export Destination

JSC “Uzbekistan Technological Metals Complex” (TMK)

Factory Location:

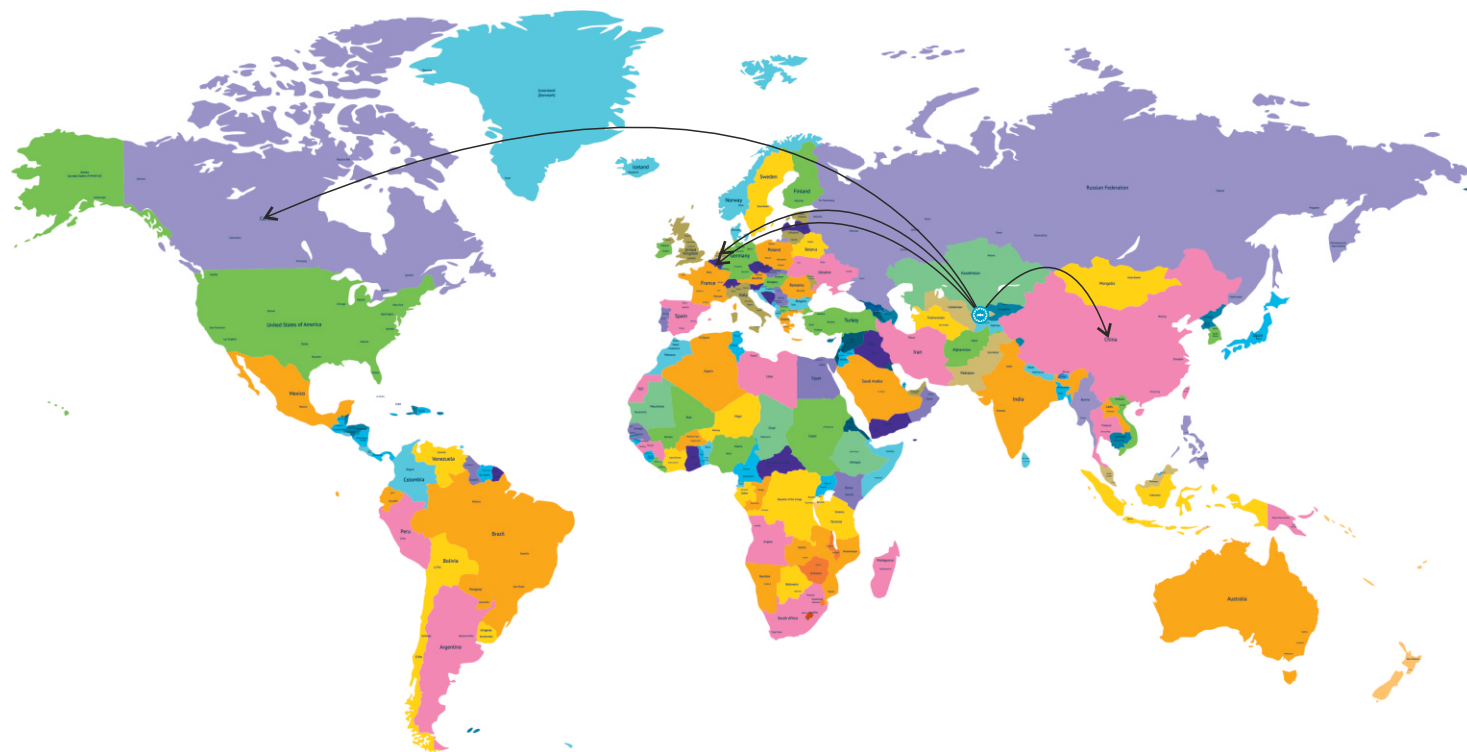
Chirchik city, Tashkent region,
Republic of Uzbekistan

Exported Metals:

- Molybdenum (metallic)
- Tungsten (metallic)
- Rhenium (metallic)

Primary Export Destinations:

- Netherlands
- Belgium
- China
- Canada



TMK Midstream Tolling Services

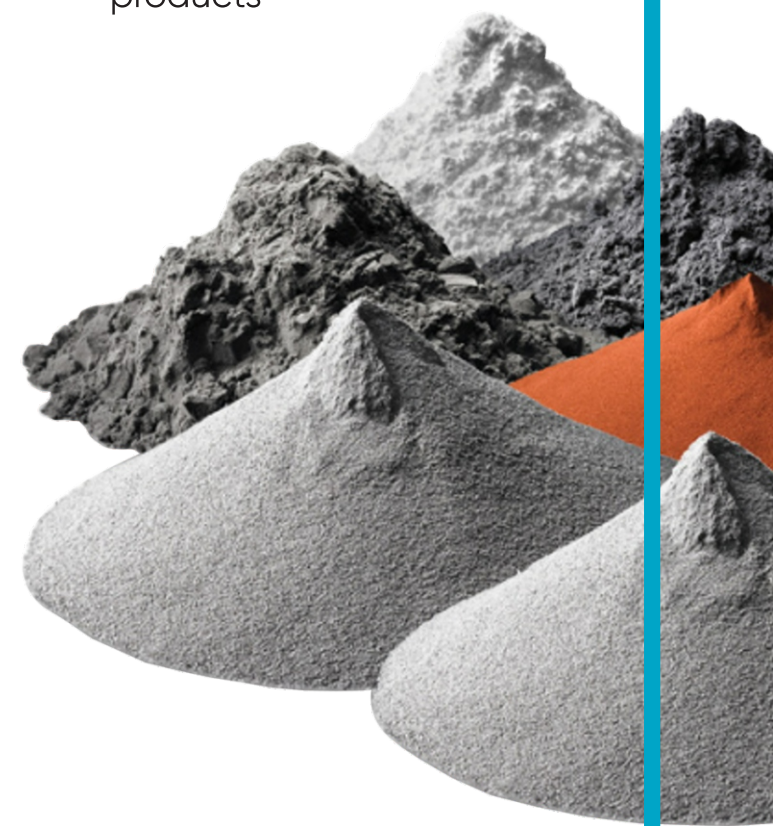
TMK offers raw material processing (tolling) services for partners worldwide:

Types of Import Raw Materials for midstream Processing:

- Molybdenum concentrate
- Tungsten concentrate
- Molybdenum Trioxide
- APT (Ammonium Paratungstate)

Generated midstream Products:

- Metal powder
- Briquettes
- Bars
- Sheets
- Rods
- Custom-made finished products



Products



METALLURGICAL TUNGSTEN BARS

Specification: TU 48-19-76-90
Tungsten Content: $\geq 99.8\%$

Purpose:

Tungsten bars intended for use
in the production of high-alloy special steels

Packaging:

Metal containers
Minimum Order Quantity: 1,000 kg
HS Code: 8101940000
Delivery Terms: EXW, price negotiable

Technical Specifications:

Chemical Composition:		Content, %
Tungsten (W) not less than:		99.8
Maximum impurity content		
Iron + Aluminum (Fe+Al)		0.008
Phosphorus (P)		0.001
Sulfur (S)		0.001
Silicon (Si)		0.008
Carbon (C)		0.002
Lead (Pb)		0.0001
Zinc (Zn)		0.002
Tin (Sn)		0.0003
Antimony (Sb)		0.001
Arsenic (As)		0.001
Copper (Cu)		0.002
Cadmium (Cd)		0.0001
Bismuth (Bi)		0.0001
Molybdenum (Mo)		0.0150
Oxygen (O ₂)		0.003
Hydrogen (H ₂)		0.0007

METALLIC TUNGSTEN SINTERED BRIQUETTES



Purpose:

Used to improve heat-resistance and strength in special high-alloy steels

Technical Specifications:

Specification:
Ts 00193950-088:2018

Tungsten Content:
Grade not less than – 99,29%

Chemical Composition:	Grade 1
Tungsten (W) content:	99.29 %
Impurities are limited to the following maximum levels:	
Silicon dioxide (SiO ₂)	0.096
Molybdenum (Mo)	0.400
Oxygen (O)	0.150
Carbon (C)	0.038
Phosphorus (P)	0.001
Sulfur (S)	0.0010
Copper (Cu)	0.005
Arsenic (As)	0.001
Tin (Sn)	0.003
Antimony (Sb)	0.003
Lead (Pb)	0.003
Bismuth (Bi)	0.003

Briquette Dimensions:

Cross-section ~30 ± 5 mm each side
Length ~400 ± 5 mm

Briquette Weight:

0.02 – 5.05 kg per briquette

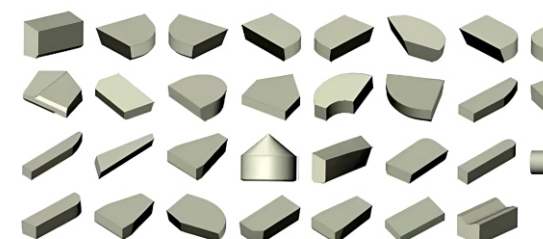
Packaging:

Metal drums

Minimum Order Quantity: 1.000 kg

HS Code: 8101999000

Delivery Terms: EXW, price negotiable



BRAZED CARBIDE PLATES

Grades: VK3 to VK30, T5K10, T15K6, T14K8
Standards: GOST 2209-90; GOST 17163-90;
GOST 20312-90; GOST 3882-74; GOST
25396-90; GOST 25402-90

Purpose: Used as brazed-on cutting inserts for all types of metalworking and woodworking tools, suitable for all types of material processing (attached by soldering/brazing onto the tool body).

Packaging: Cardboard boxes

Minimum Order Quantity: 2 kg. HS Code: 8209008000.

Delivery Terms: EXW, price negotiable.



Replaceable Multi-Faceted Carbide Inserts

Grades: T5K10, T15K6, VK8

Standards: GOST 19042-80;
GOST 19043-80; GOST 19044-80;
GOST 19050-80; GOST 19051-80;
GOST 3882-74

Purpose: Indexable inserts for cutting tools. These multi-edged carbide inserts serve as the working part of cutting tools, offering multiple cutting edges, high precision, quick replacement, and flexible tooling options

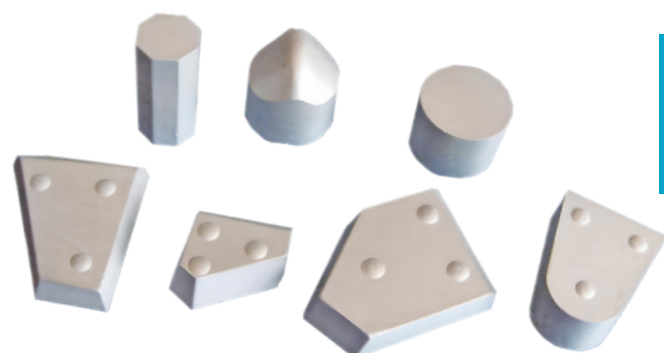
Packaging: Cardboard boxes

Minimum Order Quantity: 2 kg

HS Code: 8209002000

Delivery Terms:

EXW, price negotiable



CARBIDE PRODUCTS FOR MINING TOOLS

Grades: VK6 to VK20
Standards: GOST 880-75;
GOST 4411-79; GOST 3882-74

Purpose: Tungsten carbide tool inserts designed for equipping mining drill bits (button bits, cross bits, coal cutter picks). They are also used for reinforcing the crowns of rotary drill bits in geological exploration drilling, improving wear resistance and durability.

Packaging: Cardboard boxes.
Minimum Order Quantity: 2 kg
HS Code: 8209008000

Delivery Terms: EXW, price negotiable

Tungsten Carbide
Drawing Dies Grade:
VK (available die forms №8, №10,
№12)
Standard: GOST 3882-74



Purpose: Tungsten carbide drawing dies (wire drawing nibs) for reducing wire and rod diameters. Used in drawing wire and round-section rods of various sizes by pulling material through a narrowing profile channel. These dies are characterized by high versatility and quick tool change, making them ideal for demanding wire-drawing operations.

Packaging: Cardboard boxes
Minimum Order Quantity: 10 pieces
HS Code: 8207209000

Delivery Terms:
EXW, price negotiable



LATHE CUTTING TOOLS FOR METAL

Types: A wide range of turning tools including straight and bent turning tools, shoulder (facing) tools, undercutting tools, boring tools (bent and facing), threading tools, grooving tools, parting-off tools, and fillet (profiling) tools.

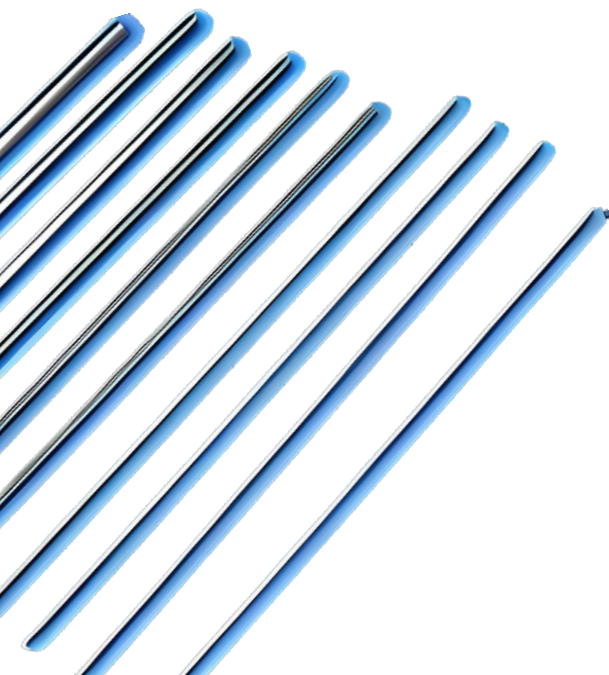
Purpose: Lathe cutting tools are designed for cutting metals, synthetics, and other materials on lathes.

Different tool designs are available for various operations:

- Parting tools – used for cutting off workpiece sections and making grooves.
- Turning (roughing) tools – used for machining rotating cylindrical workpieces along their length.
- Facing (shoulder) tools – used for machining end faces or shoulder areas of a workpiece (undercutting operations).
- Boring tools – used for enlarging or finishing internal blind and through holes.
- Threading tools – used for cutting internal and external threads.

Packaging: Wooden crates
Minimum Order Quantity: 10 pieces
HS Code: 8207801900

Delivery Terms:
EXW, price negotiable



YTTRIUM-DOPED TUNGSTEN ELECTRODES (SVI-1)

Grades: VK6 to VK20.
Standards: GOST 880-75; GOST 4411-79;
GOST 3882-74.

Purpose: Tungsten welding electrodes doped with yttrium oxide are used for semi-automatic or automatic welding in inert gas atmospheres (e.g. argon, helium or their mixtures). These electrodes provide stable arc performance and durability in TIG welding applications.

Technical Specifications:

Chemical Composition:	Mass fraction, %, not more than
Molybdenum	0.040
Iron	0.007
Aluminum	0.005
Silicon	0.010
Calcium	0.010
Nickel	0.005
Yttrium Oxide (Y ₂ O ₃)	1.5–2.3
Tungsten	97.623

Nominal value (mm):	Maximum deviation (mm):	Length, not less than (mm):
from 2.0 mm to 6.0 mm (in 1.0 mm increments)	±0.07	120
8.0	±0.010	200
10.0	±0.010	200

Packaging: Cardboard boxes.
Minimum Order Quantity: 5 kg
HS Code: 8101991000

Delivery Terms:
EXW, price negotiable



COMPOSITE HARDFACING ROD

Purpose: Cored composite rod used for hardfacing (overlay welding). It is utilized to form a cutting and wear-resistant weld overlay on drilling and milling tools, particularly in repair and restoration of oil, gas, and geological exploration well equipment. This rod deposits a durable carbide-rich layer to prolong tool life in harsh service conditions.

Dimensions:

Shape and sizes: Diameter – 15±2 mm, Length – 300±5 mm, Average weight – 0.328 kg

Technical requirements:

Indicator name	Maximum deviation (mm):
Mass fraction	
VK8 alloy (per GOST 3882)	54.8
Brass	37.8
Nickel	6.2

Packaging: Cardboard boxes

Minimum delivery quantity:
5 pieces HS Code: 8311 90 0000

Delivery terms:
EXW, price negotiable



HAMMER DRILL BITS WITH CARBIDE TIPS

Purpose: Designed for rotary hammer drills (perforators) to create holes and recesses in concrete, stone, and other hard materials. These drill bits feature a sintered carbide tip of grade VK, enabling efficient percussive drilling into tough surfaces with high durability.

Dimensions:

Available Diameters:

Ø6 mm, Ø8 mm, Ø10 mm, Ø12 mm

Length: 150 mm

Packaging:

Cardboard boxes

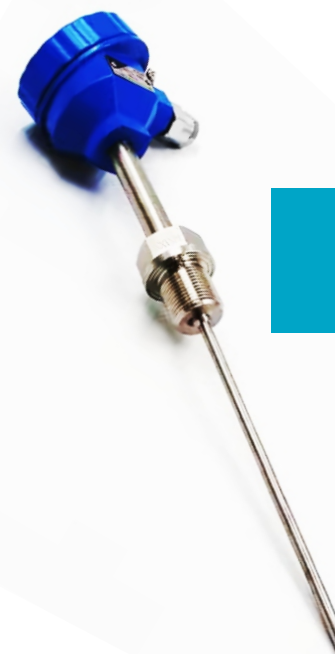
Minimum delivery quantity:

100 pieces

HS Code: 8207 50 900 0

Delivery terms:

EXW, price negotiable



THERMOELECTRIC CONVERTER TXA (CHROMEL-ALUMEL)

Type: Chromel-Alumel
Thermocouple (Type K)

Purpose: A thermoelectric temperature sensor assembly for measuring high temperatures in industrial environments, including aggressive (corrosive) media. This TXA type converter (Chromel-Alumel thermocouple) is suitable for use in furnaces, kilns, and process installations where reliable high-temperature measurement is required.

Length: from 300mm to 3000mm

Packaging: Cardboard boxes

Minimum Order Quantity: 5 units

HS Code: 9025198009

Delivery Terms:

EXW, price negotiable



IRON POWDER

STANDARD: GOST 9849-86

Purpose: Iron powder intended for manufacturing parts by powder metallurgy and for other industrial uses. Applications include the production of welding electrodes and materials, self-lubricating bearings, high-strength and wear-resistant components, machine parts, magnetic materials, friction elements (primarily automotive parts), among others.

Physical-Chemical Properties:

Indicator name	Value
Carbon (C)	0.06
Iron (Fe)	97.00
Silicon (Si)	-
Manganese (Mn)	-
Sulfur (S)	0.01
Oxygen (O ₂)	0.58

Physical-Chemical Properties:

Indicator name	Value
Residue insoluble in hydrochloric acid	2.35
Bulk density (g/cm ³)	2.20

Packaging: Metal drums
Minimum delivery batch: 1000kg

HS Code: 7205 29 0000
Delivery terms: EXW, price negotiable



METALLIC RHENIUM

Note: Upon agreement with the customer, the manufacturer may supply metallic rhenium with a higher content of the main component

Application:

- as an additive for high-quality catalysts in the oil refining industry;
- in the production of alloying elements in metallurgy

Information is provided for product sales purposes.

HS Code: 8112 99 300 0
Delivery terms: EXW, price negotiable

Name of indicators	Norm according to regulatory documentation	
	Grade 1	Grade 2
Mass fraction of impurities, % no more than		
Ferrum	0.001	0.001
Aluminum	0.0005	0.0005
Nickel	0.002	0.002
Silicon	0.001	0.002
Magnesium	0.001	0.001
Calcium	0.002	0.003
Manganese	0.0001	0.0001
Phosphorus	0.001	0.001
Sulfur	0.002	0.002
Potassium	0.001	0.005
Sodium	0.0005	0.001
Copper	0.0003	0.0003
Molybdenum	0.002	0.003
Oxygen	0.08	0.15
Rhenium.% not less than	99.906	99.829
Average particle diameter according to Fischer, microns	3.0-7.5	



SOLID CARBIDE TWIST DRILLS

Standard: GOST 18372-73
Material: Solid VK – grade tungsten carbide

Solid Carbide
Twist Drills

Purpose:

High-precision solid carbide spiral drills for machining metals and composite materials. These drills offer exceptional hardness and wear resistance for improved drilling performance and tool life in industrial cutting operations.

Diameter: from Ø6 mm to 16 mm Minimum delivery quantity: 100 pieces
Length: according to GOST standard HS Code: Drills (8207 50 900 0)
Packaging: Cardboard boxes

Delivery terms: EXW, price negotiable



SOLID CARBIDE End Mills

Standard: GOST 17274-71
Material: Solid VK-grade tungsten carbide

Solid Carbide
End Mills

Purpose:

Tungsten carbide end mills for milling operations on metals and composite materials. These solid carbide end mills provide high cutting efficiency, rigidity, and longevity, suitable for precision manufacturing and high-speed machining.

Diameter: from Ø6 mm to 16 mm Minimum delivery quantity: 100 pieces
Length: according to GOST standard HS Code: Mills (8207 70 370 0)
Packaging: Cardboard boxes

Delivery terms: EXW, price negotiable



SELENIUM (SE)

Purity 99.9% – 99.999% (3N – 5N)
Production Status: Launching soon

Description:

High-purity selenium metal for use in electronics, glass, metallurgy, and chemicals. Will be available in lump, granule, or powder form

3N – 99.9%
4N – 99.99%
5N – 99.999%

Form: Lumps, powder, pellets, granules

Application:

Semiconductor and photocell production
Glass decolorization
Rubber vulcanization
Pigments and chemical synthesis
Metallurgy (additive for steel)

Packaging:

Vacuum-sealed plastic bags inside sealed metal drums or polypropylene containers

Minimum Order Quantity:

3N: 1000 kg
4N / 5N: 100 kg

HS Code: 2804 90 0000

COA and MSDS available with first batch

Delivery terms: EXW
Price: Negotiable, depending on purity and market

METALLIC MOLYBDENUM IN BRIQUETTE FORM



Purpose:

- Alloying of high-strength steels and superalloys
 - Metallurgy and foundry industries
 - Production of molybdenum-based compounds
- Vacuum furnaces and high-temperature technologies

Technical Specifications (Average from Quality Passport):

Indicator	Average Value
Molybdenum (Mo),%	99.8

Impurities (max, %):

Element	%	Element	%
W (Tungsten)	0.0100	Cu (Copper)	0.0025
O ₂ (Oxygen)	0.1175	SiO ₂ (Silica)	0.0105
C (Carbon)	0.0042	Ni (Nickel)	0.0162
Fe (Iron)	0.0438	Sn (Tin)	0.0010
S (Sulfur)	0.0020	Sb (Antimony)	0.0030
Pb (Lead)	0.0030	Zn (Zinc)	0.0010
Bi (Bismuth)	0.0010	P (Phosphorus)	0.0019
As (Arsenic)	0.0020		

HS Code (TN VED): 8102 94 0000
Delivery terms: EXW
Price: Negotiable

Minimum Order Quantity:
1,000 kg



METALLIC MOLYBDENUM BARS

Purpose:

- Alloying of special steels and high-temperature alloys
- Electric vacuum engineering
- Sputtering targets and evaporation materials
- Semiconductor and aerospace industries

Technical Specifications (Average from Quality Passport):

Indicator	Average Value
Molybdenum (Mo),%	99.95

Impurities (max, %):		Impurities (max, %):	
Element	%	Element	%
W (Tungsten)	0.0100	Sn (Tin)	0.0005
Fe (Iron)	0.0253	Sb (Antimony)	0.0003
Al (Aluminum)	0.0095	Pb (Lead)	0.0001
P (Phosphorus)	0.0010	Bi (Bismuth)	0.0001
S (Sulfur)	0.0010	Cd (Cadmium)	0.0001
C (Carbon)	0.0042	Cu (Copper)	0.0020
As (Arsenic)	0.0020	Zn (Zinc)	0.0010
O ₂ (Oxygen)	0.0080		

Minimum Order Quantity: 1,000 kg
HS Code (TN VED): 8102 94 0000

Delivery terms: EXW
Price: Negotiable



TELLURIUM (TE)

Product: Launching soon
Refined Tellurium metal in ingot, granule, or powder form
Purity Grades Available:

- 3N – 99.9%
- 4N – 99.99%
- 5N – 99.999%

Purpose:

- Tellurium is widely used in:
- Thermoelectric modules (Bi₂Te₃, PbTe, etc.)
- Solar cell technologies (CdTe thin films)
- Alloying additive in steel and copper
- Chemical and pharmaceutical synthesis
- Semiconductor and infrared optics
- Vulcanization of rubber

Form: Solid ingots, granules, flakes, or powders

Minimum Order Quantity:

3N: 1000 kg

4N / 5N: 100 kg

Delivery terms: EXW, price negotiable

Price: Negotiable

HS Code: 2804 50 0000

COA and MSDS will be provided upon first batch production

Expected Technical Specifications:

Grade	Te (min %)	Total Impurities (max %)
3N	99.9	0.1
4N	99.99	0.01
5N	99.999	0.001

RESEARCH & DEVELOPMENT

R&D and Innovation: Driving Technological Excellence

TMK is building a world-class Research & Development (R&D) Center dedicated to advancing the science, application, and sustainability of critical raw materials. Our R&D strategy aligns with global industrial needs and national priorities, enabling innovation across the entire value chain, from upstream processing to high-tech end uses.

Innovation Priorities

To develop and implement advanced technologies for the efficient and sustainable use of critical and rare earth metals, strengthening product competitiveness in global markets and supporting Uzbekistan's industrial transformation.

Key Areas of Focus

Product Innovation

Developing next-generation materials and high-value components for aerospace, energy, defense, and other high-tech sectors. Activities span market analysis, concept design, prototyping, and testing.

Process Optimization

Enhancing existing technologies to increase energy efficiency, reduce emissions, and advance digitalization. Focus areas include process automation, waste reduction, and the integration of cleaner technologies.

Technology Scouting & Adaptation

Monitoring global innovations and adapting promising foreign technologies to local production realities. Includes pilot implementation and scaling for industrial application.

Intellectual Property Development

Protecting our innovations through the development of know-how, patent strategies, and commercialization pathways.

CENTRAL NANO-ANALYTICAL LABORATORY

Advanced Materials Testing for a Critical Minerals Future

Located in Chirchik, the Central Nano-Analytical Laboratory is a flagship initiative of TMK designed to meet the advanced testing and quality control needs of Uzbekistan's growing critical raw materials (CRM) sector. The lab supports over 50 strategic projects, offering full-spectrum analysis from mineral samples to high-purity metals.

Capabilities Snapshot

- Daily testing capacity: 1,000+ samples per day
- Specialization in: Tungsten, Molybdenum, Graphite, Lithium, REEs, Rhenium, Vanadium, and more
- Advanced equipment: ICP-MS, XRD, SEM, GDMS, AAS, FTIR, RAMAN
- ISO/IEC 17025:2017 accreditation planned
- Integrated SmartLab & LIMS system for real-time data access

Key Functions

- Geochemical and Phase Analysis: High-resolution detection of CRMs and REEs in ore, tailings, and concentrates
- High-Purity Materials Testing: Analysis at 4N+ purity, essential for microelectronics and energy applications
- Assay and Metallurgical Testing: Gold and precious metal quantification; hydrometallurgical and pyrometallurgical workflows
- Nanostructure and Morphology Studies: Crystallographic and electron microscopy-based texture mapping
- Mechanical and Technological Testing: UTM, hardness, particle size, combustion loss, and more

Strategic Value

- Regional Hub: The only facility in Central Asia with nano-scale analytical capabilities for CRM and REE value chains
- Global Collaboration: Developed with guidance from Oak Ridge National Lab (USA), KIRAM (Korea), Xiamen Tungsten (China), and others
- Green Energy Alignment: Supports downstream applications in EVs, solar, aerospace, and advanced manufacturing

Future Outlook

The lab will serve as a cornerstone for TMK's ESG-aligned growth strategy, ensuring traceability, quality, and innovation across its upstream and downstream projects.

Strategic Investment in Innovation

TMK is investing in the infrastructure, talent, and tools required to lead in critical materials innovation. The R&D Center is backed by long-term capital commitments to ensure it delivers practical solutions, from lab-scale experimentation to industrial deployment

Collaborative Innovation

TMK's R&D strategy is reinforced through partnerships with global leaders in industrial technology, automation, and digitalization. Current collaborators include:

- **Technology Providers & Digital Platforms:** IntelliSense.io, SAP, 1C, Trex DCAS, and Visiology, enabling process intelligence, monitoring, and automation across the value chain
- **Engineering & Infrastructure Experts:** Siemens and Schneider Electric, supporting advanced control systems, energy efficiency, and industrial integration
- **Visualization & System Integration:** Polymedia, delivering tools for digital simulation, VR/AR environments, and collaborative system modeling
- **Academic and Research Collaboration:** TMK also engages with institutions such as Oak Ridge National Laboratory, KIRAM, and Xiamen Tungsten to access cutting-edge research and transfer international best practices into its operations

These partnerships accelerate the development and implementation of advanced technologies, anchoring TMK's position at the forefront of critical raw materials innovation.

A Purpose-Built R&D Facility

Located in Tashkent, the 1,488 m² R&D Center will feature reverse engineering labs, digital design workspaces, and collaborative areas such as a VR/AR room, model library, and automation zone. This facility will serve as a hub for knowledge creation, technical training, and cross-border partnerships.



GRADUATE SCHOOL FOR TECHNOLOGICAL METALS

Building Talent for a Strategic Future

At TMK, education is more than a pipeline, it is a platform for transformation. Our academic partnerships and in-house facilities create a unique learning ecosystem that develops the next generation of specialists in critical raw materials, metallurgy, and advanced manufacturing.

Graduate School of Technological Metals

In collaboration with world-leading universities and research institutes, the Graduate School of Technological Metals prepares students for key roles in Uzbekistan's growing industrial ecosystem. The program offers specialized Bachelor's and Master's tracks with a strong focus on practical training and international exposure.

BACHELOR'S DEGREE PROGRAM

Sustainable Value Chain for Critical Raw Materials

- ▶ Duration: 4 years
- ▶ Academic Partner: University of Pisa (Top-400 globally)
- ▶ Internship: 60% of time at TMK
- ▶ Diploma: Pisa University Diploma + TMK Certificate
- ▶ Key Features:
 - Dissertation begins in Year 3
 - Work opportunities at TMK
 - Summer and winter schools abroad
 - Instruction language: English

MASTER'S DEGREE PROGRAM

Geology, Prospecting, and Exploration of Mineral Deposits

- ▶ Duration: 2 years (1+1 format)
- ▶ Academic Partner: China University of Geosciences
- ▶ Internship: 60% of time at TMK
- ▶ Key Features:

- Dissertation work begins in Year 1
- International placements in leading research institutes and companies
- Instruction language: English
- Direct pathway to work at TMK

Geology, Prospecting, and Exploration of Mineral Deposits

- ▶ Fundamental academic education
- ▶ On-site laboratory and pilot R&D center
- ▶ Coworking and collaborative research spaces
- ▶ Access to advanced production facilities, including:
 - Rare Metals and Hard Alloys Production Plant
 - Tungsten Enrichment Plant "Ingichka"

Vision Through 2030

- ▶ 156 graduates trained
- ▶ 12 new academic disciplines introduced
- ▶ 20 new industry-integrated projects launched
- ▶ 50 applied research projects conducted

Global Collaboration

TMK's education model is built on international collaboration with academic and institutional partners who share a commitment to excellence in geoscience, metallurgy, and critical raw materials. These relationships enable joint research, student exchanges, and international exposure that strengthen both the curriculum and student outcomes.

Current Partnerships Support:

- ▶ Student internships and international placements
- ▶ Faculty collaboration and visiting lecturers
- ▶ Joint academic supervision and research projects
- ▶ Pathways for advanced study and doctoral programs

Key Academic Partners

- ▶ University of Pisa (Italy) – Bachelor's program partner
- ▶ China University of Geosciences – Master's program partner

TMK continues to explore additional strategic partnerships with universities, laboratories, and international institutions to expand educational opportunities and build long-term academic cooperation.

