

Commercial Proposal for Supply

Industrial Equipment and Tools for Metallurgy, Machinery, and Construction: Electrical Equipment, Machine Tools, Lifting Machinery, Instruments



Industrial equipment and tools supply from China

Metal-Asia.pw supplies industrial equipment, electrical engineering products, metal-cutting machine tools, lifting mechanisms, tools, and tooling for metallurgical plants, machinery manufacturers, construction companies, and energy enterprises. Direct contracts with Chinese manufacturers ensure full compliance with GOST, TR TS, and international standards.

Critical Pain Points in Industrial Equipment and Tool Procurement from China and Our Solutions

Pain Point 1: Non-Conformance to Declared Specifications Chinese suppliers frequently deliver products with substandard mechanical properties, incorrect chemical composition, or dimensional deviations. This results in incoming inspection rejections, production downtime, and financial losses.

Metal-Asia.pw Solution: Independent engineering audit at the manufacturing facility prior to shipment. Spectral chemical analysis, tensile testing, ultrasonic testing (UT), radiographic examination (RT), and dimensional verification. All test protocols are transmitted to the client before the final contract payment is released.

Pain Point 2: Delivery Delays and Supply Chain Opacity Many intermediaries lack production cycle control, resulting in delays of 2 to 4 months. Absence of cargo tracking information makes planning impossible.

Metal-Asia.pw Solution: Direct contracts with manufacturers, no intermediaries. Weekly production status reports. Full cargo tracking at every stage: from factory to customs terminal. Alternative routing via Kazakhstan, Mongolia, or seaports including Vladivostok and Novorossiysk.

Pain Point 3: Customs Clearance Complexity and HS Code Classification Incorrect product classification, missing conformity certificates, documentation errors, all lead to customs delays, additional costs, and penalties.

Metal-Asia.pw Solution: Full customs clearance turnkey. Correct HS code classification, CE marking and conformity documentation preparation, complete documentation package management. We work with licensed customs brokers in China, transit countries, and destination markets.

Pain Point 4: Lack of Technical Support and Documentation After delivery, most intermediaries disappear, leaving the client alone with installation, operation, or defect-related questions.

Metal-Asia.pw Solution: Dedicated project manager at every stage. Technical documentation in English: datasheets, certificates, installation manuals. Post-warranty support and operational consultation.

Complete Product Range — Equipment and Tools

Electrical Equipment and Industrial Automation

Product	Types / Models	Characteristics	Standard	HS Code	Application
Oil-Immersed Power Transformers	TM, TMG, TMZ	Power 25–2500 kVA, 6–35 kV	GOST 11677-85	8504 21 000 0	Energy, industry
Dry-Type Power Transformers	TS, TSZ	Power 100–2500 kVA	GOST 14209-97	8504 33 000 0	Indoor installations
Electric Arc Furnace Transformers	EOTs, ETO	For electric steelmaking furnaces	GOST 11677-85	8504 21 000 0	Metallurgy
General Purpose Induction Motors	AIR, AD, 5A	Power 0.12–400 kW, 300–3000 rpm	GOST 31606-2012	8501 51 000 0	General industrial drives
Crane Duty Motors	MT, MTF, MTN	Power 1.5–75 kW	GOST R 52776-2007	8501 52 000 0	Lifting mechanisms
Explosion-Proof Motors	VA, VR, 2V	Power 0.25–400 kW, Ex d/Ex e	GOST R 51330.0-99	8501 53 000 0	Chemical, oil and gas
Variable Frequency Drives	0.37–2000 kW	Vector control, Profibus/Profinet	IEC 61800-2	8504 40 000 0	Speed regulation
Soft Starters	5.5–5000 kW	Soft start, motor protection	IEC 60947-4-2	8537 10 000 0	Heavy mechanism starting
Circuit Breakers	0.5–6300 A, up to 1000 V	Molded case, air, modular	GOST R 50030.2-2010	8536 20 000 0	Circuit protection
Contactors and Magnetic Starters	9–800 A, up to 1000 V	AC/DC control	GOST R 50030.4.1-2012	8536 41 000 0	Motor control

Product	Types / Models	Characteristics	Standard	HS Code	Application
Programmable Logic Controllers	Siemens S7, Schneider Modicon, Mitsubishi FX	Cycle time 0.1–10 ms	IEC 61131-2	8537 10 000 0	Process automation
Power Cables	VVG, VBBSHV, AVVG, AVBBSHV	0.66–35 kV, cross-section 1.5–1000 mm ²	GOST 31996-2012	8544 60 000 0	Power supply
Oil Well Cables	KNRk, KNRP	Up to 6 kV, oil-resistant	GOST 16442-80	8544 60 000 0	Oil extraction
Overhead Line Conductors	A, AS, M	Cross-section 16–800 mm ²	GOST 839-80	7614 90 000 0	Overhead lines
High Voltage Circuit Breakers	6–750 kV	Oil, vacuum, SF6	GOST 687-78	8537 20 000 0	Substations, switchgear
Complete Switchgear	KRU, KRUE 6–35 kV	Indoor/outdoor	GOST 1516.3-96	8537 10 000 0	Power distribution
Industrial Sensors	Inductive, capacitive, optical, ultrasonic	IP67, IP69K, analog/digital	IEC 60947-5-2	9031 80 000 0	Automation, control

Machine Components

Product	Types / Series	Size Range	Standard	HS Code	Application
Deep Groove Ball Bearings	6000, 6200, 6300, 6400 series	Diameter 10–1000 mm	GOST 520-2011, ISO 15	8482 10 000 0	Shafts, gearboxes, motors
Angular Contact Ball Bearings	7000, 7200 series	Diameter 10–500 mm	GOST 520-2011	8482 10 000 0	Spindles, screw pairs
Cylindrical Roller Bearings	NU, NJ, NUP	Diameter 20–1500 mm	GOST 520-2011	8482 50 000 0	Gearboxes, rolling mills

Product	Types / Series	Size Range	Standard	HS Code	Application
Tapered Roller Bearings	30000, 32000 series	Diameter 15–1000 mm	GOST 27365-87	8482 20 000 0	Transmissions, wheel hubs
Needle Roller Bearings	NA, RNA, NK	Diameter 5–200 mm	GOST 4657-89	8482 40 000 0	Crank mechanisms
Spherical Roller Bearings	22200, 22300, 23000 series	Diameter 20–1500 mm	GOST 520-2011	8482 30 000 0	Vibratory mechanisms
Slewing Bearings	Single-row, double-row	Diameter 200–5000 mm	GOST 28827-90	8482 10 000 0	Cranes, excavators, wind turbines
Cylindrical Gear Reducers	1TsU, 1Ts2U, Ts2U	Ratio 1.6–315, torque 0.1–1000 kNm	GOST 21354-87	8483 40 000 0	Conveyor drives, mills
Worm Gear Reducers	Ch, 2Ch, 4Ch	Ratio 8–80	GOST 21354-87	8483 40 000 0	Lifting mechanisms
Planetary Gear Reducers	3MP, 2MP	Ratio 25–1000	GOST 21354-87	8483 40 000 0	Drilling rig drives
Motor-Reducers	MTs2S, MCh, MPz	Power 0.12–45 kW	GOST 21354-87	8501 51 000 0	Conveyors, transporters
Elastic Pin-Bushing Couplings	MUVP	Diameter 16–250 mm, torque 4–16000 Nm	GOST 20884-93	8483 60 000 0	Shaft connection
Gear Couplings	MZ	Diameter 50–900 mm	GOST 20884-93	8483 60 000 0	Heavy drives
Roller Drive Chains	PR, 2PR, 3PR	Pitch 9.525–76.2 mm	GOST 13568-97	7315 11 000 0	Drives, conveyors
Toothed Drive Chains	PZ	Pitch 12.7–25.4 mm	GOST 13568-97	7315 11 000 0	Precision drives
V-Belts	A, B, V, G, D, E	Length 400–18000 mm	GOST 1284.1-89	4010 31 000 0	Machine drives, compressors

Product	Types / Series	Size Range	Standard	HS Code	Application
Timing Belts	T2.5, T5, T10, AT5, AT10, HTD	Length 100–5000 mm	GOST 1284.3-96	4010 35 000 0	Servo drives, robots
Spur Gears	Module 0.5–50 mm	Diameter up to 5000 mm	GOST 13755-81	8483 90 000 0	Gearboxes, drives
Helical Gears	Module 0.5–50 mm, angle 8–30°	Diameter up to 3000 mm	GOST 13755-81	8483 90 000 0	Low-speed gearboxes
Gear Rims	Module 1–25 mm	Diameter 500–10000 mm	GOST 13755-81	8483 90 000 0	Slewing mechanisms

Lifting Equipment

Product	Types / Models	Characteristics	Standard	HS Code	Application
Overhead Traveling Cranes	Capacity 1–500 t, span 7.5–42 m	Single-girder, double-girder	GOST 25546-82	8426 11 000 0	Workshops, warehouses, ports
Underslung Cranes	Capacity 0.5–10 t, span 3–18 m	Single-girder	GOST 25546-82	8426 11 000 0	Small spans
Gantry Cranes	Capacity 1–100 t, span 10–50 m	Single-girder, double-girder	GOST 25546-82	8426 19 000 0	Yards, ports
Portal Reclaimers	Capacity 10–80 t	For scrap, coal, ore	GOST 25546-82	8426 19 000 0	Metallurgy, power plants
Truck Cranes	Capacity 10–750 t	Chassis, all-terrain, crawler	GOST 25546-82	8705 10 000 0	Erection, construction
Crawler Cranes	Capacity 50–3200 t	For heavy erection	GOST 25546-82	8426 41 000 0	Bridges, energy
Electric Chain Hoists	Capacity 0.25–20 t, lift 6–36 m	Stationary, traveling	GOST 7890-93	8425 11 000 0	Production workshops

Product	Types / Models	Characteristics	Standard	HS Code	Application
Manual Chain Hoists	Capacity 0.5–10 t, lift 3–12 m	Chain, rope	GOST 7890-93	8425 19 000 0	Maintenance work
Electric Wire Rope Hoists	Capacity 0.5–32 t, lift 6–100 m	Stationary, traveling	GOST 7890-93	8425 11 000 0	Metallurgy, machinery
Hydraulic Jacks	Capacity 2–1000 t, stroke 100–300 mm	Bottle, toe, hollow	GOST 21700-76	8425 42 000 0	Erection, maintenance
Mechanical Jacks	Capacity 1–50 t	Screw, rack	GOST 21700-76	8425 42 000 0	Auto service
Electric Winches	Capacity 0.5–50 t, speed 5–40 m/min	Stationary, traveling	GOST 21700-76	8425 31 000 0	Lifting, cargo movement
Hydraulic Winches	Capacity 1–100 t	For drilling rigs	GOST 21700-76	8425 31 000 0	Oil and gas, mining

Metallurgical Equipment

Product	Types / Models	Characteristics	Standard	HS Code	Application
Blast Furnaces	Volume 1000–5500 m3	Complete equipment package	GOST 20572-75	8417 10 000 0	Pig iron production
Basic Oxygen Furnaces	Capacity 50–400 t	With blowing system	GOST 20572-75	8417 10 000 0	Steel production
Electric Arc Furnaces (EAF)	Capacity 10–300 t	Power 10–150 MVA	GOST 20572-75	8514 30 000 0	Steel production
Induction Furnaces	Capacity 0.1–60 t	Frequency 50–10000 Hz	GOST 20572-75	8514 40 000 0	Casting, hardening

Product	Types / Models	Characteristics	Standard	HS Code	Application
Continuous Casting Machines (CCM)	1–6 strands, section 100x100 – 300x400 mm	Curved, vertical	GOST 20572-75	8454 30 000 0	Slab, bloom production
Long Product Rolling Mills	For rebar, rounds, angles	Capacity 0.5–2 Mt/year	GOST 20572-75	8455 10 000 0	Long product rolling
Flat Product Rolling Mills	Hot/cold rolling	Width 1000–5000 mm	GOST 20572-75	8455 21 000 0	Sheet rolling
Tube Rolling Mills	For seamless and welded pipes	Diameter 10–1620 mm	GOST 20572-75	8455 30 000 0	Pipe rolling
Bell-Type Furnaces	For annealing and normalizing	Temperature up to 950C	GOST 20572-75	8417 80 000 0	Heat treatment
Chamber Furnaces	For quenching and tempering	Temperature up to 1300C	GOST 20572-75	8417 80 000 0	Steel hardening
Vacuum Furnaces	For quenching and sintering	Residual pressure 10 ⁻² –10 ⁻⁵ Pa	GOST 20572-75	8417 80 000 0	Special steels
Induction Hardening Units	Power 10–1000 kW	Frequency 0.5–500 kHz	GOST 20572-75	8514 40 000 0	Surface hardening

Metal-Cutting Machine Tools

Product	Types / Models	Characteristics	Standard	HS Code	Application
Universal Lathes	16K20, 1M63, DIP-500	Turning diameter 160–5000 mm, length 500–20000 mm	GOST 8522-89	8458 11 000 0	Shafts, axles, parts
CNC Lathes	16K20T, 1P756DF3	Turning diameter 160–1000 mm, Fanuc/Siemens CNC	GOST 8522-89	8458 11 000 0	Serial production

Product	Types / Models	Characteristics	Standard	HS Code	Application
Universal Milling Machines	6M82, 6R13, FSS-400	Table size 200x800 – 4000x20000 mm	GOST 8522-89	8459 61 000 0	Housings, plates
CNC Milling Machines	6M13SB, DMU-50/70	3–5 axes, Heidenhain/Siemens CNC	GOST 8522-89	8459 61 000 0	Dies, tooling
Drilling Machines	2N125, 2N135, 2N150	Drilling diameter 16–80 mm	GOST 8522-89	8459 29 000 0	Hole drilling, boring
Grinding Machines	3B722, 3E711V	Grinding diameter 50–2000 mm	GOST 8522-89	8460 11 000 0	Precision machining
Boring Machines	2A620, 2620V	Boring diameter 50–2000 mm	GOST 8522-89	8459 29 000 0	Hydraulic cylinders, housings
Gear Cutting Machines	5K328, 5D32	Module 0.5–40 mm	GOST 8522-89	8461 40 000 0	Gears, rims
Sheet Bending Machines	IV2144, IV2146	Thickness 0.5–6 mm, length 1000–4000 mm	GOST 8522-89	8462 22 000 0	Sheet bending
Guillotine Shears	ND3316, ND3318	Thickness 1–40 mm, length 1000–12000 mm	GOST 8522-89	8462 39 000 0	Sheet cutting
Press Equipment	KG2132, KG2538	Force 10–1000 t	GOST 8522-89	8462 10 000 0	Stamping, bending
Laser Cutting Machines	Power 500–12000 W	Sheet up to 50 mm, accuracy ±0.1 mm	GOST R 50776-95	8456 11 000 0	Complex contour cutting
Laser Welding Systems	Power 1000–6000 W	Thickness up to 10 mm	GOST R 50776-95	8468 80 000 0	Precision part welding

Construction Equipment

Product	Types / Models	Characteristics	Standard	HS Code	Application
Gravity Concrete Mixers	SB-146, SB-153	Volume 60–3000 L	GOST 27006-86	8474 31 000 0	Concrete preparation
Forced Concrete Mixers	SB-242, SB-245	Volume 60–3000 L	GOST 27006-86	8474 31 000 0	Heavy concrete
Concrete Batching Plants	BSU-40, BSU-60	Capacity 10–120 m ³ /h	GOST 27006-86	8474 31 000 0	Large construction
Stationary Concrete Pumps	BN-40, BN-80	Capacity 20–100 m ³ /h, pressure 50–250 bar	GOST 27006-86	8413 50 000 0	Concrete pumping
Truck-Mounted Concrete Pumps	Boom 20–70 m	Capacity 60–160 m ³ /h	GOST 27006-86	8705 10 000 0	Monolithic construction
Deep Vibrators	IV-98, IV-117	Diameter 28–80 mm, frequency 200–300 Hz	GOST 27006-86	8479 89 000 0	Concrete compaction
Surface Vibrators	IV-107, IV-108	Weight 5–500 kg, frequency 50–200 Hz	GOST 27006-86	8479 89 000 0	Slab compaction
Screed Vibrators	VR-2, VR-4	Length 2–12 m	GOST 27006-86	8479 89 000 0	Concrete leveling
Panel Formwork	Steel, aluminum, timber	Sizes 0.3x0.9 – 3.3x3.0 m	GOST 27006-86	7308 40 000 0	Monolithic construction
Tunnel Formwork	For columns, elevator shafts	Modular system	GOST 27006-86	7308 40 000 0	High-rise construction
Climbing Formwork	For high-rise structures	Lift speed 0.5–2 m/day	GOST 27006-86	7308 40 000 0	Towers, silos
Frame Scaffolding	Height 10–100 m	Steel, galvanized	GOST 27321-87	7308 40 000 0	Facade work

Product	Types / Models	Characteristics	Standard	HS Code	Application
Pin Scaffolding	Height 20–200 m	Steel	GOST 27321-87	7308 40 000 0	High-altitude work
Mobile Scaffold Towers	Height 2–40 m	Mobile, transportable	GOST 27321-87	7308 40 000 0	Interior work
Material Hoists	Capacity 500–2000 kg, height 20–200 m	Mast, rope	GOST 28759-90	8428 40 000 0	Material delivery
Passenger-Material Hoists	Capacity 1000–4000 kg, height 20–500 m	Mast, rope	GOST 28759-90	8428 40 000 0	Personnel and material delivery

Cutting Tools and Instruments

Product	Types / Models	Characteristics	Standard	HS Code	Application
Twist Drills	P6M5, P18, carbide	Diameter 0.2–80 mm	GOST 10902-77	8207 50 000 0	Metal drilling
End Mills	P6M5, P18, carbide	Diameter 2–63 mm	GOST 17026-71	8207 70 000 0	Milling
Slitting Saws	P6M5, P18	Diameter 63–250 mm	GOST 17026-71	8207 70 000 0	Slot machining
Turning Tools	P6M5, P18, carbide, ceramic	Sizes 10x10 – 40x40 mm	GOST 18868-73	8207 80 000 0	Turning
Threading Dies	P6M5, P18	M3–M64	GOST 6226-80	8207 40 000 0	Thread cutting
Machine Taps	P6M5, P18	M3–M64	GOST 3266-81	8207 40 000 0	Thread cutting
Reamers and Counterbores	P6M5, P18	Diameter 3–50 mm	GOST 12489-71	8207 60 000 0	Hole finishing

Product	Types / Models	Characteristics	Standard	HS Code	Application
Grinding Wheels	14A, 25A, 63S, 64S	Diameter 50–1250 mm	GOST 2424-83	6804 21 000 0	Grinding
Diamond Wheels	AS4, AS6, AS8	Diameter 50–500 mm	GOST 16172-90	6804 21 000 0	Hard alloy grinding
Welding Electrodes	UONI, MR-3, TsL-11	Diameter 2–6 mm	GOST 9466-75	8311 10 000 0	Manual arc welding
Welding Wire	SV-08G2S, Sv-08A	Diameter 0.8–2.0 mm	GOST 2246-70	7229 20 000 0	Semi-automatic welding
Gas Welding Equipment	Regulators, torches, hoses	For acetylene, propane, oxygen	GOST 12.2.052-81	8468 10 000 0	Gas welding and cutting

Metal-Asia.pw Services

Metal-Asia.pw delivers comprehensive procurement solutions from China, including tender documentation support for public and private sector procurement frameworks. We provide ENGINEERING AUDIT AND TECHNICAL DUE DILIGENCE. Our services encompass quality control (NDT, UT), chemical composition verification against international standards, and customs clearance "turnkey". We operate on a contractual basis with full supply chain compliance and end-to-end logistics management.

For detailed information about our service range, please visit Metal-Asia.pw.

FAQ: Frequently Asked Questions on Industrial Equipment and Tool Procurement

Q1: What are the standard lead times for Industrial Equipment and Tool shipments from China?

A: Standard delivery timelines range from 30 to 60 days from contract execution and advance payment receipt. For stock items, express delivery is available within 14 to 21 days. Exact timelines depend on order volume, product specifications, and selected logistics routing.

Q2: How is quality control performed prior to shipment?

A: Metal-Asia.pw implements a multi-stage quality assurance protocol: visual inspection, ultrasonic testing (UT), radiographic examination (RT), spectral chemical composition analysis, dimensional verification, and mechanical testing. All results are documented in certified test reports transmitted to the client prior to final payment.

Q3: What documentation is provided for customs clearance?

A: A complete documentation package includes: commercial invoice, packing list, certificate of origin (Form A or CO), mill test certificate with test results, conformity declaration (CE or equivalent), specification with HS codes, insurance certificate, and CMR/AWB/Bill of Lading.

Q4: Can you supply non-standard sizes and grades?

A: Yes. We maintain direct contracts with manufacturing facilities and can arrange production according to client drawings and specifications. Minimum order quantities for custom production are discussed on a case-by-case basis.

Q5: What are your payment terms and settlement methods?

A: Standard terms: 30% advance upon order confirmation, 70% prior to shipment. For established clients and large contracts, deferred payment and letter of credit arrangements are available. We accept CNY, USD, EUR, and GBP.

Q6: Do you provide delivery to the client's warehouse?

A: Yes. We organize delivery via all transport modes: FCL/LCL sea freight, rail transport, road delivery, and air freight for urgent consignments. Incoterms 2020: EXW, FCA, CPT, CIP, DAP, DDP at client's discretion.

Q7: What warranties do you provide on supplied products?

A: Standard warranty period is 12 months from delivery date, subject to proper storage and handling conditions. In case of manufacturing defects, we arrange replacement or refund. All claims are processed within 10 business days.

Q8: Do you support tender procurement processes?

A: Yes. Metal-Asia.pw has extensive experience in supporting public and private tender procedures. We assist with technical documentation preparation, certification, test protocols, and complete tender submission packages. We provide end-to-end support from bid preparation to contract award.

Author

Prepared by: [Milos Kovacevic](#) — Metallurgical Engineer, Procurement Project Manager at Metal-Asia.pw.

Contact Information:

- Client Relations Department:
- WhatsApp: +86 132 50100874
- Telegram: @China_metal_supply
- Email: zakaz@metal-asia.pw
- Official Website: www.metal-asia.pw



Industrial equipment supply with technical expertise