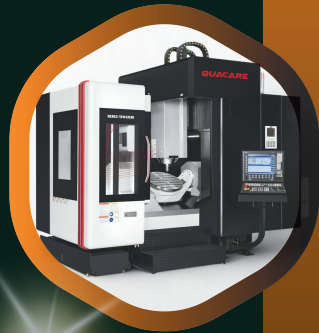




CNC Machines & Accessories



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QUACARE

Precision CNC Lathes & Turn-Mill Centres

QUACARE: Dedicate Precision Metal Machining Empower Your Machining Work and Support Smart Manufacturing Upgrades



CNC Horizontal Turn-Mill Centres (TC-550CY/SY, TC-680CY)

- Engineered for one-time clamping to achieve direct finish machining of highly complex components.
- These centres feature a live turret, an interpolation Y-axis riding on THK heavy-duty roller guides, and a sub-spindle (SY) variant powered by an integrated permanent magnet synchronous motor for fully synchronous dual-end machining

CNC Horizontal Lathes – Linear Guide Series (TC-350, TC-460)

- Built on an ultra-high rigid 30° slant-bed casting for excellent shock-absorption and high-speed precision.
- They utilise high-followability THK ball linear guide rails and rapid-positioning tool turrets, making them ideal for high-speed, fine-precision micro-motion machining



CNC Horizontal Lathes – Box Guide Series (TC-680E/EL)

- Designed for high-load, low-speed heavy-duty cutting of large-diameter workpieces.
- These machines feature a low centre of gravity with professionally hand-scraped sliding surfaces and precision oil-guiding grooves to ensure maximum transmission efficiency and long-term stability

CNC Vertical Lathes (VL-500, VL-800/M)

- Tailored for forceful cutting of larger, heavy-duty parts.
- They are constructed on a high-tension Meehanite casting iron bed with wide, enlarged-spacing boxway guide structures on the X and Z axes to suppress vibration and thermal expansion



Gang-Tool Lathes & Intelligent Automation (TC-36P/TC-46P)

- Key Advantage: Smaller bed, faster machining speed.
- Features: Gang-type structure boasts a rapid traverse rate of up to 30m/min. Its optimized footprint makes it exceptionally easy to integrate into automated production lines for small parts

Intelligent Automation Solutions

We don't just provide CNC machines; we deliver complete automation solutions to improve your productivity.

- Intelligent Manufacturing Units: We offer modular Integrated Automation TLUS (Truss Loading & Unloading Systems).
- Control Systems: High-performance, rapid-response systems powered by industry leaders like FANUC and MITSUBISHI ELECTRIC.
- Special Options: Automatic Bar Feeders, Renishaw Workpiece Detection Devices, and Tool Auto-check equipment.



QUACARE

Precision Horizontal & Vertical Machine Centres

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DMC Series (High-Performance Gantry Machining Centres)

- Designed for heavy-duty, five-sided machining of massive industrial parts.
- These centres feature FEM-optimised castings to ensure structural rigidity, roller-type linear slide rails on X/Y axes, and a full-tooth, two-speed transmission gearbox that boosts low-speed spindle torque by up to 4.3 times

SDMC Series (Movable Column Gantry Machining Centres)

- Symmetrical cross-rail structures engineered for exceptionally long, heavy workpieces, offering a high table capacity of 5 tonnes per square metre.
- They utilise double-loaded roller-type linear rails on X and Y axes, heavy-duty spur gear heads, and dual hydraulic cylinder vertical counterbalance systems



HMC Series (High-Rigidity Horizontal Machining Centres)

- Purpose-built to complete multi-sided machining of box bodies, valves, pump bodies, and gearboxes in a single setup.
- Constructed on a robust T-bed layout with a widened slide saddle, they feature C3-grade large-diameter preloaded thrust screws and high-precision rotary tables offering 0.001° indexing accuracy

TTB Series (High-Torque CNC Horizontal Boring and Milling Centres)

- Engineered for massive cutting torque and deep-hole boring of heavy engineering components.
- They feature a movable T-shape column, a hardened chrome-molybdenum steel spindle (HRC60-62), a boring bar extending up to 1,000 mm, and a hydraulically clamped B-axis turntable.



VMC Series (High-Rigidity Vertical Machining Centres)

- Outfitted with a proven "herringbone" column structure for superior resistance to bending and torsion.
- These machines incorporate P-grade heavy-duty roller linear guide rails across all three axes, double-nut preloaded ball screws, and high-performance direct-drive or belt spindles.

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QUACARE

Our Core 5-Axis Machining Solutions

QUACARE: Dedicate Precision Metal Machining Empower Your Machining Work and Support Smart Manufacturing Upgrades

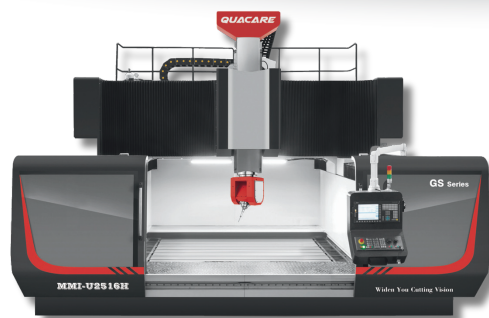
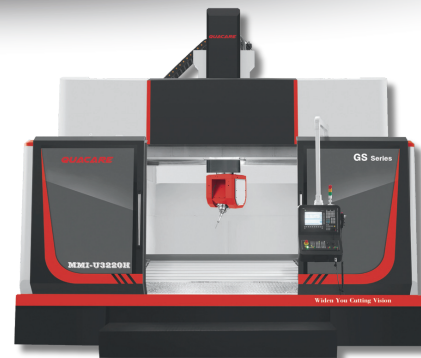


MMI-U Series (Five-Axis Linkage High-Speed Machining Centres)

- Covering models from MMI-U300H to MMI-U800H, these high-precision systems utilise a gantry structure equipped with a cradle-type turntable.
- Built on high-quality, aged Meehanite castings to ensure long-term stability and vibration damping, they feature oil-cooled motor seats and transition plates, paired with high-speed synchronous motorised spindles running at up to 20,000 rpm.

MMI-U3220H (Crane "Box-in-Box" Five-Axis Gantry Machining Centre)

- Engineered specifically to isolate machining accuracy from ambient temperature fluctuations. It features a symmetrical "Box-in-Box" crossbeam structure where the spindle centre remains perfectly aligned with the beam and ram centre.
- Since all axes move above the column, the floor-mounted worktable is completely fixed—ensuring heavy workpiece loads never degrade dynamic cutting response.



MMI-U2516H & MMI-U1615H (Crane-Type Five-Axis Gantry Machining Centres)

- Designed with a space-saving cross-rail layout that slashes the machine's footprint by 50% compared to traditional gantry designs.
- They feature high-damping ductile iron Z-axis rams to suppress bending deformation, a centre-of-gravity driving design for crossbeam movement, and dual-axis milling heads directly driven by high-torque DD motors.

MMI-1500 (Five-Axis Turn-Milling Combination Centres)

- Achieves complete turning and milling operations in a single setup, drastically shortening the production cycle and eliminating error accumulation caused by multiple card mounts. Perfectly suited for manufacturing complex, heavy-duty parts like landing gears, jet engine shafts, and turbine rotors, it boasts a 12,000 rpm electric main spindle, a 4,000 rpm sub-spindle, and a 36-station ATC.



Double-Pendulum Milling Heads (T30 & T600 Series)

- High-torque five-axis linkage heads equipped with absolute optical encoders for precise positioning.
- They feature an HSK-A63 tool interface, a swing angle of $\pm 110^\circ$ on the A-axis, and continuous rotation up to $\pm 360^\circ$ on the C-axis, enabling seamless contouring of complex three-dimensional surfaces

Intelligent Automation Solutions

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Heavy Duty Conventional Lathes: *Power, Precision, and Capacity*

These universal conventional lathes are meticulously engineered to handle diverse materials using high-speed steel and carbide tools. They are specifically designed for the comprehensive machining of shaft, cylindrical, and disk-shaped components

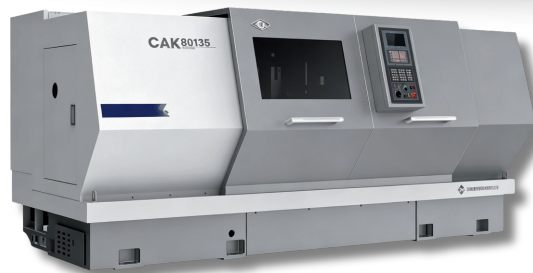


CA Series Conventional Lathes

- High-rigidity and highly stable universal manual lathes designed for machining cylindrical, face, internal and external surfaces, and diverse rotary profiles.
- Featuring an eye-catching blue and grey aesthetic with ergonomic control levers, these lathes are equipped with large-diameter front spindle bearings and a wider bed span to achieve superior structural stiffness.

CAK Series (36/40/50 Series) CNC Lathes

- Engineered for high precision and low failure rates, incorporating absolute encoders to reduce fault occurrences. Key features include a patented automatic-shift headstock structure, T-groove reinforced tailstock fixings, independent oil tanks to reduce headstock heat by 30%, and a super waterproof groove design that enhances overall waterproof ability.



CAK Series (63/80/100 Series) Heavy-Duty CNC Lathes

- Purpose-built for large-scale, high-precision components in rail transit, valve, mould, and automotive engineering.
- They boast a massive 600 mm guideway span, a patented hydraulic automatic 4-shift headstock, external main motor mounting for easy maintenance, a high-torque 11-15 kW servo main drive, and X-axis leadscrews with a 40 mm diameter to handle heavy thrust forces.

CW Series Conventional Lathes (CW6163B to CW62110B)

- Heavy-cutting powerhouse lathes featuring a massive 550 mm or 600 mm wide induction-hardened bed with an integrated floor-mounted structure and inclined ribs.
- They are driven by an 11 kW high-torque motor and an optimised-speed headstock to easily handle heavy-duty steel and cast-iron machining, with a high rapid traverse of the carriage (4000 mm/min).



Key Structural Advantages

- **Versatile Machining:** Fully capable of turning outer cylinders, end faces, grooving, cutting off, boring, internal cone turning, and cutting various thread types.
- **Maximum Rigidity:** Built with an integral box-type bed structure to ensure exceptionally high rigidity during operations.
- **Enhanced Efficiency & Safety:** Features independent oil pumps for forced lubrication, alongside rapid movement capabilities for the carriage, tool post, saddle, and tailstock. The machines are celebrated for their strong rigidity, high efficiency, safe and reliable operation, and aesthetic design

Hydraulic Chucks, Jaws and Precision Vices:

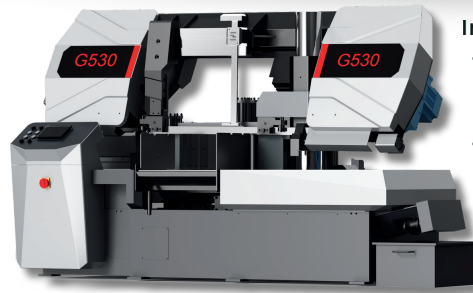




CHENLONG

Superior Quality Band Saws & Machinery

Where there is a band saw, there is ANTSMACHINE



Intelligent Automatic Series (G330 & G430)

- High-end sawing centres equipped with a cutting-edge servo electric cylinder system for ultra-precise saw frame feeding and real-time feed-rate regulation.
- Driven by a high-efficiency permanent magnet motor and parallel-shaft gear reducer (achieving up to 97% transmission efficiency), they feature an electric chip-sweeping system, a visible hydraulic saw blade tensioning gauge, and a multiple feeding accuracy of ± 0.2 mm.

High-Efficiency Automatic Series (330, 430 & 530 Series)

- Compact, energy-saving automatic band saws manufactured with robotic intelligent welding to ensure maximum structural stability and uniform consistency.
- These machines feature micron-level precision CNC multi-faceted processing, dual touch-screen and button controls, and high-quality bimetallic blades, offering a narrow saw gap, fast cutting speeds, and exceptional reliability.



Specialised Die Steel Series (CL4370, CL4370H & CL53100H)

- Heavy-duty sawing solutions designed with a self-adjusting guide arm that automatically moves to match the workpiece width, reducing operator manual handling.
- They feature double-feed valve controls for minute feed-rate adjustments, inverter-controlled stepless blade speed, and a unique hydraulic saw blade holding system to maintain zero-gap guidance.

Gantry Type & High-Efficiency GK Series (CH, GK & G42 Series)

- Heavy-duty gantry structures designed with dual hydraulic cylinder control and high-precision linear guide rails for ultra-stable, high-rigidity feeding.
- Covering capacities up to a massive 3,000 mm x 3,000 mm (G42300 "China's first large gantry"), they ensure high cutting precision with a narrow saw kerf, delivering outstanding material and energy savings.



Profile & Swing Type Series (GZ, GH & CS Series)

- Versatile manual and semi-automatic sawing machines engineered for medium and small-batch cutting of diverse structural profiles, solids, and non-ferrous metals.
- They utilise hydraulically controlled stepless saw frame feeding, rolling bearing and carbide blade guiding blocks, and robust worm gear drives to deliver dependable, cost-effective cutting.

As TOP1 brand from China, CHENLONG is a leading manufacturer specializing in various types of horizontal and vertical metal band sawing machines for more than 40 years. It obtains 172 patents and operates under a strict quality control system with ISO 9001, ISO 14001, CE certificates. Powerful manufacturing ability with 66000sqm plant, 10 metal sawing machine production lines, 3 circular sawing machine production line and 2 automatic assembly line.





JAKI

Superior Quality Material Handling Solutions

Across Continents, Beyond Boundaries Excellence, Sustainability, Reliability, and Innovation in Material Handling



Electric Counter Balanced Forklifts (Star Wall Series 3T / 3.5T)

- Key Advantage: Intelligent safety and exceptional low-temperature adaptability.
- Features: Powered by lithium-ion batteries that feature automatic low-temperature heating.
- The series includes an automatic curve deceleration function to reduce overturning risks, a PES three-speed mode to optimize operational efficiency, an emergency power-off switch, and an easily accessible built-in fire extinguisher

Hand Pallet & Scale Trucks (AC, BF-S, & SHPT Series)

- Key Advantage: High-strength chassis designs engineered for confined spaces.
- Features: The manual AC and BF-S series can handle 2500–3000kg loads and boast exceptional torsional resistance. The SHPT scale trucks feature integrated electronic scales (0.1% accuracy) and utilize an innovative oil-pipe-free hydraulic lifting system that greatly improves reliability and eliminates the risk of oil leakage



Electric Pallet Trucks (Pedestrian & Stand-On)

- Key Advantage: Compact, highly flexible designs for long-lasting logistics operations.
- Features: Pedestrian models (like the CBD series) feature quick-disassembly lithium batteries, cap-type rainproof battery boxes, and protective outer-ring cable routing to prevent wear. Stand-on/rider models (QET series) can handle up to 3.0T loads and utilize AC speed control and electromagnetic-regenerative braking

Electric Pallet Stackers (QES & CL-E Series)

- Key Advantage: Versatile, high-efficiency stacking solutions for various warehouse layouts.
- Features: Ranging from economic long-handled stackers and self-lifting models to the advanced Double-Lift Stackers (QES-D / CL-E-BS), which allow for the simultaneous handling of two pallets. Heavy-duty models are constructed with C-type and H-type high-strength steel masts and feature an explosion-proof hydraulic design to prevent rapid mast collapse in the event of pipe rupture.

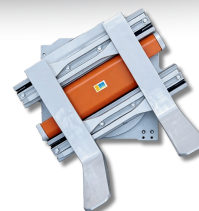


Electric Reach Trucks (CQD Pedestrian & QGB Seated Series)

- Key Advantage: Deep cargo access paired with smooth, precise control.
- Features: Both series are powered by robust AC drive control systems. The CQD pedestrian models are notably equipped with a scissor forward device, which allows the forks to extend and retract forward and backward even while the vehicle remains stationary—making it perfectly suited for deep and long cargo positions

Comprehensive Forklift Attachments

- Special Options: To meet any industrial need, JAKI supplies a massive variety of attachments including 180° rotators, side shifters, pallet inverters, paper roll clamps, push-pulls, drum clamps, and block clamps.



Established in 2017, Anhui Jiangkai Machinery Sales Co., Ltd. (JAKI) is a comprehensive enterprise specializing in the R&D, production, and sales of material handling equipment. Operating out of a 50-acre facility with an annual production capacity exceeding 20,000 units, JAKI integrates internationally advanced technology to deliver competitive, green, and intelligent warehousing solutions.



SHANTE

Focus | Professional | High Quality | Efficient
Advanced Mining and Earth Moving Equipment Solutions



Advanced Mucking Loaders

- **Special Crawler-Type for Large Slopes:** Engineered to operate on steep gradients ($< 30^\circ$), providing full-section rock loading with zero dead corners and high-efficiency hydraulic pilot lever systems.
- **Tire-Type & Track Conveyor Models:** Ideal for continuous production in narrow spaces (as small as 1.8x1.8 meters). Select models utilize an innovative chain conveying method that completely replaces traditional belts, increasing service life by more than 30 times.
- **All-in-One Machines:** The ZWY-150/55L integrates digging, transporting, and breaking, featuring dual diesel and electric power to quickly complete risk removal and ditching

Zero-Emission Mining Excavators (Electric & Hydraulic)

- **Key Advantage:** Engineered specifically for safe and efficient underground use.
- **Features:** By utilizing an electro-hydraulic system rather than traditional diesel, these compact excavators (like the MWD series) offer energy savings, low noise, and zero exhaust gas pollution. They feature a minimum swing structure, ensuring the tail does not exceed the vehicle width during rotation, perfect for tight underground spaces



High-Efficiency Milling Excavators

- **Key Advantage:** "One machine, dual use" capabilities for rock tunneling.
- **Features:** The milling head and digging bucket are interchangeable via a quick coupler. Powered by a German-imported spur gear gearbox and high-torque hydraulic motor, they can bore through coal or semi-coal tunnels (hardness 4F) without blasting. They also include internal and high-pressure external sprays for superior dust extinguishing

STDL Mobile Crawler-Type Stacker Reclaimer

- Engineered to replace traditional, discontinuous loading and unloading machinery in stockyards across ports, large coal yards, construction sites, and metallurgical plants.
- Operating in a continuous, non-stop mode, these highly reliable machines significantly boost stockyard productivity while lowering overall operational costs.
- Offers four high-capacity models - STDL-500 (500 m³/h output, 200 kW power) to the ultra-capacity STDL-2600 flagship (2 600 m³/h output, 509 kW power) - equipped with durable bucket wheels (up to 14 buckets) and discharge conveyors reaching maximum stack heights of up to 8 000 mm.



SHANTE HEAVY INDUSTRY Advanced Mining & Earth Moving Solutions
Shante Heavy Industry specializes in high-efficiency equipment for mining, tunnel excavation, and bulk material handling, purposefully engineered for safety and harsh underground environments.