

# Zhejiang Dream Industry Expands Global Supply of Precision CNC Components and Handwheels

*From Precision CNC Components to Industrial Handwheels-ISO 9001 Certified 80% Automated Facility Serving 30+ Countries with 99.7% Quality Reliability Since 2008*

NEW YORK, NY, UNITED STATES, June 22, 2026 /EINPresswire.com/ -- [Zhejiang Dream Industry Limited](#), an established manufacturer of precision hardware, has optimized its production lines to support the global supply of custom CNC machined parts and industrial handwheels.

## Company Overview

Established in 2008, Zhejiang Dream Industry Limited (operating under the brand MXCZ) has developed more than 20 years of expertise in precision manufacturing. Headquartered at No.1, Building 9, QingYanLiu B Area, Yiwu, Zhejiang, China, the company operates a modern 2,500-square-meter manufacturing facility.

The enterprise maintains a structured workforce of 34 personnel, which includes 3 senior engineers, 18 machine operators, 2 quality inspectors, 5 sales representatives, 3 packaging workers, 1 warehouse manager, and 2 support staff. This engineering and R&D team provides comprehensive OEM and ODM solutions, focusing on product design, structural optimization, mold development, and customized manufacturing for various industrial hardware applications.

## Zhejiang Dream Industry Manufacturing Facility

Manufacturing Infrastructure and Quality Management

Zhejiang Dream Industry Limited operates as a manufacturing base for precision hardware in



Zhejiang Dream Industry Manufacturing Facility

China. The factory is equipped with over 100 production and inspection units, with approximately 80% of the machinery consisting of automated CNC machining centers, CNC lathes, and laser welding equipment. This level of automation enables full-process precision manufacturing and reduces the average unit production cycle time to as low as 15 minutes.

The facility's annual production capacity exceeds 3 million units across its core [handwheel](#) series, which covers over 30 distinct specifications.

Specifically, the annual capacity for 304 and 316L stainless steel handwheels exceeds 1.2 million units, while valve and plum handwheels account for 800,000 units, and machine, spoke, and adjustable handwheels account for 1 million units. Additionally, the company produces up to 1.3 million non-standard CNC precision machined hardware parts annually. With an annual output value consistently exceeding RMB 25 million and an annual growth rate of over 15%, the company exports 65% of its products to over 30 countries and regions.

Quality control is managed under an ISO 9001-certified system (Certificate Number: ZT-Q-24120011S), covering the production of stainless steel handwheels, bushings, bolts, and non-standard machined accessories such as knobs, handles, joints, and gears. The manufacturing process incorporates 23 distinct in-process inspection steps, allowing the factory to control dimensional tolerances up to  $\pm 0.03$  mm and maintain a product defect rate below 0.3%.



MXCZ Precision CNC Machined Parts and Components



MXCZ Stainless Steel Handwheels for Industrial Applications

The company's R&D capabilities are backed by several utility model patents registered with the China National Intellectual Property Administration, including: - Patent No. 23542824: A sheet metal forging bending device. - Patent No. 23818494: A positioning fixture for stainless steel variable diameter elbow tapping. - Patent No. 23562442: A bending device for stainless steel butterfly hinge production. - Patent No. 23713904: A polishing device for the outer diameter of stainless steel elbows. - Patent No. 23728365: An adjustable fixture for valve handwheel machining. - Patent No. 24067954: A self-locking structure for valve handwheels. - Patent No. 23885661: A grinding device for hinge processing.

These proprietary technical solutions optimize production workflows, reduce manual alignment errors, and ensure high dimensional consistency across high-volume production runs.

## Core Products & Services Portfolio

### Precision CNC Machined Parts and Components

The company offers comprehensive CNC machining services, including CNC turning, CNC milling, 5-axis machining, Swiss machining, grinding, drilling, tapping, wire EDM, and laser cutting. These services support a wide range of engineering materials: - Stainless Steel: Grades 304, 316, 303, 420, 430, and 17-4PH. Characterized by high corrosion resistance, strength, and wear resistance, these materials are primarily applied in medical equipment, food machinery, marine systems, and automation lines. - Carbon and Alloy Steel: Grades 1018, 1045, 4140, 4340, and 8620. Selected for applications requiring high hardness, mechanical strength, and cost-effectiveness, such as automotive components, transmission systems, and hydraulic gear. - Aluminum Alloys: Grades 6061, 6063, 7075, 5052, and 2024. These alloys combine lightweight properties with structural strength and corrosion resistance, finding extensive use in aerospace components, electronics housings, robotics, and automation fixtures. - Brass and Copper: Grades C360, H59, H62, and C110. Valued for electrical and thermal conductivity, these metals are machined into electrical connectors, plumbing fittings, sensors, and instrumentation components. - Engineering Plastics: POM (Delrin), Nylon (PA6/PA66), PTFE (Teflon), PEEK, ABS, PVC, and Polycarbonate (PC). These materials offer chemical resistance, electrical insulation, and low friction coefficients, ideal for semiconductor tools, sliding components, and medical devices.

The dimensional specifications of these machined parts range from 0.5 mm to 500 mm in



diameter, 1 mm to 1500 mm in length, and 0.2 mm to 100 mm in thickness. Standard manufacturing tolerances are held at  $\pm 0.1$  mm, with high-precision tolerances reaching  $\pm 0.03$  mm. Surface roughness options include Ra 3.2, Ra 1.6, and Ra 0.8, with mirror polishing available upon request. Surface treatments encompass clear, black, and hard anodizing, electroplating (zinc, nickel, chrome), powder coating, sandblasting, brushing, passivation, black oxide, and heat treatment.

## MXCZ Precision CNC Machined Parts and Components Industrial Handwheels and Operator Controls

The handwheel division manufactures stainless steel, aluminum, cast iron, bakelite, and plastic operator controls. Designed for manual adjustments, these components are utilized in industrial valves, lathes, milling machines, packaging machinery, marine systems, and agricultural equipment.

The handwheels feature ergonomic, anti-slip designs to ensure precise torque transmission and manual control. They are available in round, spoked, and solid configurations with various mounting interfaces, including threaded, through bore, keyway bore, D-bore, square bore, and tapped holes. Mounting threads are standard metric (M5 to M33) or trapezoidal (Tr12 to Tr30), alongside imperial options (UNC/UNF).

Outside diameters range from 45 mm up to 2000 mm, accommodating different operational scales. The products are finished via polishing, sandblasting, brushing, powder coating, or electroplating to resist harsh environmental conditions, with salt spray testing performed to verify rust and chemical resistance.

## MXCZ Stainless Steel Handwheels for Industrial Applications

### Stainless Steel [Wedge Anchors](#)

MXCZ produces heavy-duty expansion fastening solutions, specifically 304 and 316 stainless steel wedge anchors. These anchors are engineered for permanent structural fastening in solid concrete, reinforced concrete, and grout-filled masonry. - 304 Stainless Steel: Offers reliable corrosion and oxidation resistance under humid environments, suitable for outdoor construction, guardrails, HVAC installations, and general industrial fastening. - 316 Stainless Steel: Contains molybdenum, providing superior resistance to chlorides, saltwater, and industrial chemicals. This grade is specifically recommended for marine engineering, coastal infrastructure, chemical plants, wastewater treatment facilities, and food processing machinery.

Manufactured to ASTM F593, ASTM A276, and DIN standards, the wedge anchors are available in metric diameters from M6 to M24 and imperial diameters from 1/4" to 1", with lengths ranging from 40 mm to 200 mm. The anchor design features an expansion clip that locks permanently into concrete when the nut is tightened to the specified installation torque, providing high pull-out resistance and load capacity under static, dynamic, and seismic loads.

## MXCZ Stainless Steel Wedge Anchors

### Quality Assurance and After-Sales Protocols

To maintain a low defect rate, Zhejiang Dream Industry Limited implements a structured quality control protocol across every stage of production: 1. Raw Material Inspection: Chemical

composition and mechanical property verification. 2. Production Process Inspection: First-article inspection and in-process dimensional audits. 3. Semi-Finished Product Inspection: Intermediate checks before final processing. 4. Surface Treatment Inspection: Thickness and adhesion testing. 5. Assembly Inspection: Fitment and clearance checks. 6. Final Product Inspection: Full dimensional and tolerance verification. 7. Packaging Inspection: Protection for international transit.

Material certificates, RoHS compliance reports, and REACH compliance documentation are provided with shipments.

The company's technical support team assists clients with product selection, material compatibility, and engineering design. MXCZ works directly with major engineering file formats, including PDF, CAD, DWG, DXF, STEP, IGS, and STP, allowing seamless transition from client drawings to prototype manufacturing (1-10 pieces) and eventual mass production. The after-sales service framework includes quality issue analysis, replacement of defective goods, rework support, and technical troubleshooting to minimize operational downtime for clients.

#### Global Market Presence and Case Studies

Export operations account for 65% of the company's annual output, serving over 30 countries and regions, including North America, South America, Europe, the Middle East, and Southeast Asia. The reliability of MXCZ hardware is demonstrated across several documented industrial supply projects: - Food Processing Equipment Project (Germany): Supplied 450 pieces of custom stainless steel handwheels to a German food machinery manufacturer. The handwheels were integrated into hygienic control systems, requiring precise surface finishing and corrosion resistance. The partnership has continued for over four years. - Industrial Pipeline Valve Project (United States): Delivered 8,000 valve handwheels to an industrial valve manufacturer for use in water treatment and chemical pipeline control systems. The components demonstrated high dimensional consistency and structural integrity under high-torque manual operations. - Marine Grade Handwheel Project (Norway): Provided 1,050 pieces of 316L marine-grade handwheels to an offshore equipment supplier. The handwheels successfully withstood harsh saltwater conditions, showing high corrosion resistance. - CNC Machine Clamping Knob Project (Italy): Manufactured 65,000 adjustable clamping knobs for a CNC machine tool builder. The components were used for fixture locking and positioning, exhibiting high wear resistance during continuous industrial operation. - Packaging Machinery Supply Project (South Korea): Delivered 5,210 industrial handles to a packaging equipment manufacturer for conveyor adjustment mechanisms, meeting aesthetic and weight-saving requirements.

#### Business Operations, Payment, and Logistics

Zhejiang Dream Industry Limited operates under multiple business models, including OEM manufacturing, ODM manufacturing, and factory-direct supply. To accommodate different buyer needs, the company offers a flexible Minimum Order Quantity (MOQ) structure: - Standard Products (handwheels, knobs, handles): MOQ of 10 pieces. - Custom OEM Products: MOQ of 200 to 1,000 pieces, depending on tooling complexity. - CNC Precision Machined Parts: Prototype support for 1 to 10 pieces, small batches of 50 to 500 pieces, and mass production of over 1,000

pieces.

The standard lead time for sample production is 3 to 7 days, standard orders are fulfilled within 7 to 15 days, and mass production orders are delivered in 15 to 30 days.

International transactions are supported through multiple payment terms, including Telegraphic Transfer (T/T) with a standard 30% deposit and 70% balance before shipment, PayPal for sample and prototype orders, Alibaba Trade Assurance for transaction security, and Letters of Credit (L/C) for large-scale industrial contracts. Supported currencies include USD, EUR, SGD, and RMB. Logistics coordination includes express shipping (DHL, UPS, FedEx) for urgent samples, air freight for medium-sized components, and sea freight, railway, or truck transportation for bulk industrial shipments.

### Industrial Trends and Strategic Vision

As industrial sectors increasingly transition toward automation and high-precision machinery, the demand for reliable operator controls and custom-engineered mechanical components continues to rise. Modern manufacturing systems require tighter tolerances, superior material performance, and faster supply chain response times.

Zhejiang Dream Industry Limited aims to address these trends by continuing to invest in automated CNC machining centers and advanced inspection equipment. By maintaining a high automation rate (currently at 80%) and optimizing its manufacturing cycle times, the company focuses on shortening lead times and delivering consistent quality. The enterprise remains committed to expanding its custom manufacturing capabilities, providing global industrial clients with durable, precision-engineered hardware solutions that support long-term operational efficiency.

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