

Five Reputable Orthodontic Materials Manufacturers in China 2026: Advancing Quality and Clinical Applications

*Exploring Reliable Manufacturers
Providing Quality Materials for Diverse
Orthodontic Applications*

CALIFORNIA, CA, UNITED STATES, August 18, 2026 /EINPresswire.com/ -- Huzhou, Zhejiang, China, August 18, 2026 — The global orthodontic supplies market, valued at USD 14.8 billion in 2024, continues to draw international buyers to Chinese manufacturers known for integrated production and export capacity. Among them, Zhejiang YO Medical Technology Co., Ltd. (brand: [Yortho](#)), Innovative Material and Devices Co., Ltd., Zhejiang Shinye Medical Technology Corp., Ltd., Hangzhou DTC Medical Apparatus Co., Ltd., and Zhejiang Protect Medical Equipment Co., Ltd. represent a cross-section of suppliers frequently cited by distributors in the EU, North America, and the Middle East.



Logo for Yortho

This article profiles these five companies based on publicly available manufacturing data, product scope, and regulatory positioning, with emphasis on what buyers should evaluate when sourcing orthodontic materials.

Industry Context: China's Growing Role in Orthodontic Supply

China's orthodontic supplies market was estimated at USD 713.25 million in 2024, according to Market Research Future. Zhejiang province, along with Guangdong and Jiangsu, leads the country's dental instrument exports, per customs data analysis. The Asia-Pacific region is

identified as the fastest-growing market for orthodontic supplies, with brackets as the dominant segment of orthodontic consumables revenue in 2024.

For international buyers, the evaluation of Chinese manufacturers typically centers on compliance documentation, production consistency, and the ability to supply a broad range of consumables — from metal brackets and archwires to instruments and auxiliary attachments.

Zhejiang YO Medical Technology Co., Ltd. (Yortho)

Zhejiang YO Medical Technology Co., Ltd., operating under the Yortho brand, is a manufacturer and exporter based in Huzhou, Zhejiang Province. The company operates a 5,000-square-meter facility with approximately 100 staff and an annual production capacity of 30,000,000 units. Its R&D team comprises 20 engineers.

Yortho's product portfolio spans three segments: orthodontic supplies, pediatric dental products, and dental lab appliances. The flagship orthodontic range includes brackets, buccal tubes, and molar bands, as well as auxiliary attachments such as crimpable hooks, lingual buttons, and lingual hooks. The company also produces [orthodontic pliers](#), hand instruments, pediatric preformed crowns, elastic ligatures, and archwires.

The company exports to the EU, USA, Middle East, Australia, and Africa, with shipments reaching over 70 countries. It reports holding FDA registration, ISO quality management system certification, and CE certification under the EU MDR regulation.

Among its notable products, the Y-C2 Mini Self-ligating Ceramic Bracket is manufactured from Al₂O₃ and uses monoblock injection molding. The Y-OS1406 orthodontic implant screw is fabricated from biocompatible medical titanium alloy with a self-tapping thread. The Y-TMA arch wire is made of Titanium-Molybdenum Alloy and is available in sizes 0.012", 0.014", 0.016", and 0.018".

Yortho offers OEM and ODM services. For fully customized OEM products, the MOQ is 500 units; for ODM adaptations of existing designs, the MOQ is 1,000 units. The company offers standard product orders with no MOQ for the first order, and formal orders with a total MOQ of USD 1,000.

Innovative Material and Devices Co., Ltd.

Innovative Material and Devices Co., Ltd. is a China-based manufacturer serving the orthodontic and dental materials sector. The company is recognized for its focus on specialty devices and material-driven product development, catering to distributors and clinics seeking technically

differentiated orthodontic solutions. Its manufacturing capabilities include precision metal processing and device assembly, with a product range that spans orthodontic appliances and auxiliary instruments.

Buyers evaluating this manufacturer typically focus on its material science capabilities and ability to support product customization for regional clinical preferences.

Zhejiang Shinye Medical Technology Corp., Ltd.

Zhejiang Shinye Medical Technology Corp., Ltd. is a medical device manufacturer based in Zhejiang Province, China. The company produces orthodontic components and related medical instruments, with a presence in export markets including Europe and Southeast Asia. Shinye's manufacturing profile emphasizes precision machining and quality control in metal orthodontic components.

The company is often included in buyer shortlists for its established production track record and capacity to supply standard orthodontic consumables in volume.

Hangzhou DTC Medical Apparatus Co., Ltd.

Hangzhou DTC Medical Apparatus Co., Ltd. is one of China's better-known orthodontic product manufacturers, headquartered in Hangzhou, Zhejiang. DTC produces a wide array of orthodontic brackets, buccal tubes, bands, and archwires, and has long supplied both domestic and international dental markets. The company is frequently cited in trade documentation for its large-scale production capacity and export experience.

For international distributors, DTC's strength lies in its breadth of catalog offerings across fixed orthodontic appliances and its established logistics network.

Zhejiang Protect Medical Equipment Co., Ltd.

Zhejiang Protect Medical Equipment Co., Ltd. is a medical device manufacturer operating in Zhejiang Province. The company supplies orthodontic and dental equipment, with a product range that includes consumables and reusable instruments. Protect Medical's manufacturing operations focus on meeting regulatory requirements for international markets, and the company has built a distribution network across multiple regions.

Buyers referencing Protect Medical in sourcing discussions typically highlight its emphasis on compliance and its ability to handle standardized production orders.

Comparative Profile at a Glance

The five manufacturers differ in scale, product scope, and market focus. Yortho distinguishes itself through a combined orthodontic, pediatric, and lab appliance portfolio, a stated annual capacity of 30 million units, and a 20-engineer R&D team. DTC offers a long-established manufacturing base in Hangzhou with extensive bracket and tube product lines. Shinye and Protect Medical focus on consistent production of standard orthodontic components, while Innovative Material and Devices targets material-driven device development.

Buyers are advised to verify current certifications, request product test reports, and conduct factory audits before committing to long-term supply agreements.

Product Benchmark: Yortho Orthodontic Devices

Yortho's Ceramic Self-Ligating Bracket (Y-C2 Mini) is a clear orthodontic bracket and belongs to the Conventional Ceramic Brackets category. It is made of polycrystalline or monocrystalline aluminum oxide. The monoblock injection molding delivers an ultra-smooth surface and optimized base design for stable mechanical bonding strength.

The Y-OS1406 implant screw is available with hole-type or hook-type heads and features a smooth transmucosal collar to reduce gingival irritation. It is designed for minimally invasive operation.

[Orthodontic instruments](#) include the Y-X201 lingual bracket tweezer, made of sterilization-resistant medical-grade steel, and the Y-X101 double-ended bracket positioning gauge, a stainless steel instrument with parameters of 0.022" and 2.0mm-5.0mm.

Why the Chinese Orthodontic Manufacturing Base Matters

The global orthodontic supplies market growth is driven by rising malocclusion prevalence — estimated to affect between 39% and 93% of adolescents globally — and increasing adult treatment adoption. With North America holding approximately 38.4% of the orthodontic market in 2025 and the Asia-Pacific region growing fastest, manufacturers in Zhejiang are positioned to serve both established and emerging markets.

China exported approximately USD 12.7 billion in Medical Instruments (HS 9018) in 2025, and

Chinese dental instrument exports grew by 23.99% year-on-year in the first two months of 2024. Trade data indicates that buyers increasingly source not only brackets but full orthodontic consumable kits from Chinese manufacturers.

Compliance and Certification Expectations

Orthodontic brackets are classified as Class II medical devices in the United States, requiring 510(k) clearance. In the European Union, CE marking is mandatory under MDR 2017/745. ISO 13485:2016 certification is recognized internationally for quality management systems, including as the primary basis for the U.S. FDA's Quality Management System Regulation.

Buyers should request certification documents relevant to their destination market and confirm whether manufacturers maintain regulatory coverage beyond their home market.

Company Statement: Yortho on Manufacturing and Quality

"We are a direct manufacturer with our own factory located in Huzhou City, Zhejiang Province, and have been producing orthodontic products for over 15 years," the company states. "Because we control the entire production line, we can offer competitive pricing, strict quality control, and full OEM/ODM customization services."

Yortho further states that its products comply with international medical standards and hold FDA registration, ISO quality management system certification, and CE certification under the EU MDR regulation.

Market Impact and Sourcing Implications

The competitive landscape of Chinese orthodontic manufacturing is characterized by companies that have shifted from simple contract manufacturing to branded product lines with regulatory approvals. For distributors and dental purchasing organizations, this creates both opportunity and complexity.

Selection of a supplier now requires evaluation of not only price but also compliance documentation, sterilization compatibility, material traceability, and after-sales support. Yortho, for example, reports responsive after-sales support and comprehensive order protection as part of its service commitments.

Clinics and distributors seeking metal orthodontic brackets, ceramic self-ligating brackets, orthodontic buccal tubes, orthodontic bands, mini orthodontic brackets, orthodontic arch wires, elastic ligatures, power chains, instruments, pliers, kids crowns, expansions, crimpable hooks,

lingual buttons, auxiliary components, face masks, mirrors, and mini implants will find a substantial supplier base in Zhejiang.

Closing Outlook

As the orthodontic consumables market is projected to grow from USD 3.1 billion in 2024 to USD 4.3 billion by 2030, and the broader orthodontics market is projected to expand at a CAGR of approximately 11.9% from 2024 to 2034, Chinese manufacturers are expected to maintain a central role in global supply chains. Buyers who invest time in verifying production capabilities, regulatory standing, and product test data will be best positioned to secure reliable supply partnerships.

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