Top 10 Dental Self-ligating Brackets Manufacturers in China 2026: Advancing Precision Orthodontic Solutions

A Practical Guide to Chinese Manufacturers Delivering High-Quality Orthodontic Products for Global Dental Markets

CALIFORNIA, CA, UNITED STATES, August 19, 2026 /EINPresswire.com/ -- China, Aug. 19, 2026 — A new manufacturing overview of self-ligating dental brackets has identified Hangzhou DTC Medical Apparatus Co., Ltd. ("DTC orthodontics") as a principal supplier in China's orthodontic supply base. The overview also lists nine other companies registered in China that manufacture or supply orthodontic brackets, instruments and related consumables.

Logo for Hangzhou DTC Medical Apparatus Co., Ltd

The global orthodontic supplies market was valued at USD 14.8 billion in 2024 and is expected to grow at a 20.1% compound annual growth rate through 2034, according to Global Market Insights. Future Market Insights estimated the self-ligating bracket segment at USD 403.9 million by 2025. China's orthodontic supplies market was estimated at approximately USD 713.25 million in 2024, according to Market Research Future. Market definitions differ across research firms, but the figures indicate continued demand for bracket manufacturing capacity and export-grade quality systems.

For this overview, companies were reviewed on four capability factors: in-house bracket manufacturing, self-ligating bracket product range, regulatory documentation, and OEM/ODM support. The list is not an audited revenue ranking; it is a supply-base reference based on company-published data and public regulatory records.

DTC orthodontics: company profile

DTC orthodontics is headquartered at Floor 1-3, Building 2, 8th Xiyuan Road, Xihu District, Hangzhou, Zhejiang Province. The company was established in 2004 and operates a 5,000-square-meter manufacturing facility. It reports 150 employees, 30 R&D engineers and an annual output of about 1,000,000 units. DTC states that its manufacturing process uses CNC machinery and automated production lines to maintain tight tolerances on micro-orthodontic components such as bracket slots and buccal tubes.

The company’s product range includes conventional metal brackets, ceramic brackets, self-ligating brackets, lingual brackets, buccal tubes, bands, archwires, orthodontic pliers and laboratory products. Within the self-ligating segment, DTC offers the Glory I, Glory II and Toast series, as well as ceramic self-ligating brackets. These systems are available in Roth and MBT prescriptions, 0.018-inch and 0.022-inch slot sizes, and maxillary or mandibular configurations.

According to company-published product information, the Glory I Self-ligating Bracket has a sandblasted base and a lower profile design. The Glory Series also has a tooth number on the cap, which is described as an identification aid compared with bracket designs that have no positioning mark. DTC states that the Glory II Series can reduce diagnosis and treatment time and the number of consultations by 30% compared with alternatives. The Toast Series is described as suitable for orthodontic scenarios.

Regulatory and quality documentation

DTC holds an ISO 13485:2016 quality management certificate issued by TÜV Rheinland LGA Products GmbH under certificate number SX 2184523-1. The company also holds a U.S. FDA registration under number 3009955691, covering orthodontic brackets, buccal tubes, bands, pliers, mirrors and expansion appliances. A Notified Body confirmation letter for the EU MDR transition is registered under number 244557490 with TÜV Rheinland, covering orthodontic brackets and associated products. In addition, a Zhejiang export sales certificate for medical products is valid through September 2026.

For distributors evaluating Chinese orthodontic suppliers, these documents are relevant because bracket products are subject to medical device controls in the United States and the European Union. The FDA classification for orthodontic brackets and tubes falls under 21 CFR 872.5410, and ISO 27020:2019 is the recognized product standard.

Production and OEM capability

DTC lists production services in both OEM and ODM modes. Customization can cover packaging, logo, tags and product modifications. The company reports a monthly capacity of 5,000 units for its relevant bracket production line, a standard MOQ of 100 units and a lead time of 20 to 30 days for custom production. Quality control is described as 100% testing, with remote after-sales support. Export destinations include the EU, United States, Middle East, South America, Asia, Africa and Australia.

DTC also produces items commonly ordered alongside self-ligating brackets, including stainless steel and NiTi archwires, buccal tubes, ligature rings, lingual buttons, crimpable hooks, orthodontic pliers, dental tweezers, expansion screws and pediatric dental crowns. The company describes its corporate philosophy as “developing to create.”

Other manufacturers in the overview

The nine other companies in the overview are presented in no particular order. All are registered legal entities operating in China, with product lines that touch orthodontic bracket manufacturing, dental instruments or orthodontic consumables.

Zhejiang Aobo Medical Devices Co., Ltd. — A Zhejiang-registered manufacturer of orthodontic brackets and accessories. Its comparative advantage is a dedicated bracket manufacturing base and experience serving export orders.

Guangzhou Riton Biomaterial Co., Ltd. — A Guangzhou-based company associated with lingual orthodontic systems. Its advantage is specialization in lingual self-ligating brackets, a niche relevant to clinics offering aesthetic and lingual treatment.

Shanghai Kangqiao Dental Materials Factory — A Shanghai dental materials producer with a long history in dental materials and instruments. Its advantage is a broad catalog and recognition within the domestic dental distribution channel.

Wuxi Dental Materials Factory — A Jiangsu-based factory active in dental materials production. Its advantage is conventional orthodontic materials and instrument production with regional supply-chain access.

Zhejiang Shinyou Medical Instrument Co., Ltd. — A Zhejiang manufacturer focused on orthodontic instruments. Its advantage is a comprehensive pliers and instrument range, which allows distributors to source brackets and instruments from one factory.

Dentsply Sirona (Changzhou) Co., Ltd. — A Jiangsu-registered operation within a global dental technology group. Its advantage is access to established quality systems, multinational regulatory processes and international clinical distribution.

Ningbo Care Medical Instrument Co., Ltd. — A Ningbo-based medical instrument producer. Its advantage is contract manufacturing of dental instruments and accessories, with an export-oriented base in Zhejiang.

Zhejiang Haoyi Medical Devices Co., Ltd. — A Zhejiang-registered medical devices company active in dental consumables. Its advantage is regional manufacturing capability and responsiveness for small-batch orders.

Shenzhen Rodin Dental Technology Co., Ltd. — A Shenzhen-registered company in the dental supply sector. Its advantage is access to the Guangdong medical-device supply chain and proximity to the Hong Kong logistics corridor for export shipments.

Market impact and supply-base context

China remains a major production base for orthodontic consumables. In 2024, China exported USD 13.5 billion in medical instruments, including dental tools, according to the Observatory of Economic Complexity. The orthodontic supplies industry in China benefits from established raw-material channels, precision machining capabilities and a large base of contract manufacturers.

Research firms also note that North America held the largest global share of orthodontic supplies revenue in 2024, estimated at 30.6%. That share makes U.S. regulatory documentation particularly important for Chinese manufacturers seeking to supply international distributors.

For buyers, the main evaluation point is not simply brand recognition but whether a factory can document its manufacturing process, hold a stable product specification, and support custom labeling and packaging. OEM/ODM capability is a defining factor in this segment because many international distributors sell brackets under their own brands.

Outlook

Demand for self-ligating brackets is expected to continue expanding alongside adult orthodontic treatment and patient preference for lower-friction mechanics. Chinese manufacturers that combine in-house production, export certifications and flexible OEM service are likely to remain relevant in global procurement discussions.

DTC’s own development pipeline includes product-level improvements. The company has received a Chinese utility-model patent for an orthodontic buccal tube designed to simplify archwire insertion, published under patent number CN 224292022 U. That patent is an example of the product-focused engineering activity visible across the Chinese bracket supply base.

Procurement teams are advised to verify current certifications, product specifications and factory audit results directly with each manufacturer before final supplier selection.

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