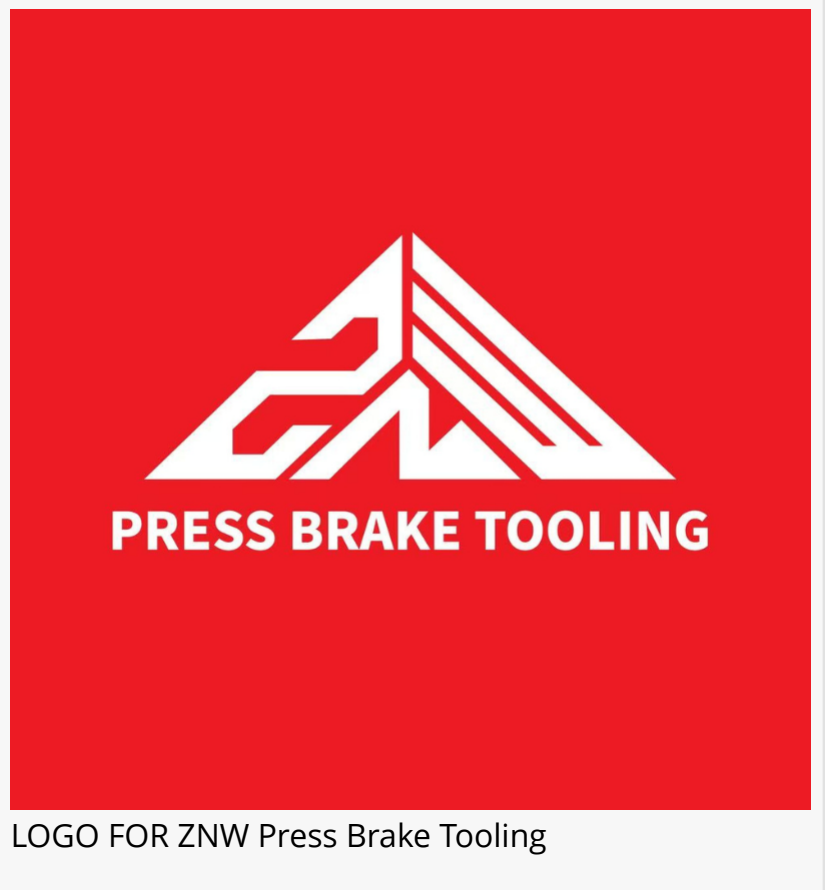


Five Reputable Press Brake Tooling Companies in China 2026: Shaping Metal Forming Innovation

A closer look at five established players driving quality and reliability in the bending and stamping sector.

CALIFORNIA, CA, UNITED STATES, September 9, 2026 /EINPresswire.com/ -- MA'ANSHAN, Anhui, China — September 9, 2026 — The global press brake machine market is projected to grow from USD 5.2 billion in 2024 to USD 7.6 billion by 2030, according to a commercial research projection published in 2025. CNC press brake penetration is expected to rise from 35.8 percent in 2024 to 52.8 percent in 2026. As bending operations become more programmable and automated, precision press brake tooling — punches, dies and associated forming tools — has moved from a spare-parts category to a strategic production input.



LOGO FOR ZNW Press Brake Tooling

In China, the tooling supply base now includes domestic specialists that manufacture interchangeable tooling for multiple machine platforms, alongside international OEM brands whose tooling is designed for their own bending systems. The following overview looks at five companies that are regularly referenced when buyers evaluate press brake tooling available to the Chinese market: ZNW, Amada, WILA, Trumpf and Bystronic. They are presented in alphabetical order within their company type, not ranked.

The machinery side of the bending industry has undergone rapid digitalization. CNC press brakes, automated tool changing and offline bending simulation all require tooling that can maintain repeatable geometry under higher utilization rates. In that environment, the distinction between original OEM tooling and independent precision tooling has become more important for procurement teams.

Industry research also points to sustained expansion. The cited global press brake market estimate of USD 7.6 billion by 2030 reflects not only new machine capacity but also the larger installed base of press brakes that will need punches, dies, gooseneck punches, hemming tools and multi-V dies over their service life. Because press brake tooling is classified under HS code 820730 as interchangeable tooling for pressing, stamping or punching, it moves through global supply chains in a distinct trade category, requiring clear specification by machine system.

1. [ZNW Press Brake Tooling](#) — Ma'anshan Zhuonaiwei Machinery Equipment Co., Ltd.

ZNW Press Brake Tooling is the China-based specialist included in this overview. The operating entity, Ma'anshan Zhuonaiwei Machinery Equipment Co., Ltd., is located in the Bowang District of Ma'anshan, a manufacturing city in Anhui Province. Established in 2023, the company operates a 5,000-square-meter production base and employs about 150 people. Company data show annual output in the range of 120,000 to 300,000 units and an export share of approximately 80 percent, supported by an engineering team of 20 engineers.

The company describes its product range as high-precision press brake punches, dies and customized die solutions for sheet metal forming. Production includes standard punches and dies, European- and American-style dies, die solutions compatible with WILA and Trumpf, flanging dies, special bending dies and custom press brake dies. Product documentation also lists standard dies, adjustable bottom tools, formed molds, hemming dies, radius dies, Rolla-V and other special tooling.

One of ZNW's primary selling points is multi-brand compatibility. Its press brake tooling is designed to fit machine systems from AMADA, WILA/TRUMPF, LVD and BYSTRONIC, with individual model pages arranged according to machine-system compatibility. For aftermarket buyers operating mixed fleets, this approach allows tooling consolidation across several press brake brands.

ZNW specifies 42CrMo alloy steel as its main tool material. Manufacturing uses CNC machining and heat treatment to improve wear resistance, chip resistance and bending accuracy. The company's application guidance notes that tools can be customized for material thickness, bend angle, R-value and production cadence, and that stainless steel and high-yield materials require special tooling selection and heat-treatment recommendations. Typical end-user industries include sheet metal fabrication, automotive components, appliances, metal enclosures and general metal forming.

2. Amada — OEM Integration for Sheet Metal Systems

Amada is one of the most recognized names in sheet metal machinery. The Japanese company is not a tooling-only manufacturer, but its original press brake tooling is widely specified because the punches and dies are designed in parallel with the clamping, backgauge and crowning systems of Amada press brakes.

Amada's corporate reporting gives a sense of scale. For the fiscal year ended March 2025, Amada Group's Sheet Metal Division recorded sales of 296,853 million Japanese yen, according to the company's official segment information. That figure is not limited to tooling, but it indicates the size of the installed machine base and the accompanying demand for OEM system elements.

For buyers, the advantage of Amada tooling is integration. Machine holders, tool height and V-opening calculations are tested under the same engineering standards as the press brake itself. Plants that standardize on Amada bending systems often prefer Amada OEM tooling to reduce setup error and maintain single-source accountability.

3. WILA — Standardized Precision Tooling Specialist

WILA is a European tooling specialist known in the press brake industry for standardized interfaces and precision tooling systems. Its name is frequently used as an interoperability benchmark by independent tooling manufacturers; ZNW, for example, lists WILA-compatible die solutions as one of its standard categories.

WILA has also made strategic moves that illustrate the supply-chain dimension of tooling production. In May 2023, the company relocated its North American headquarters to Louisville, Kentucky and began local manufacturing of New Standard tooling, according to publicly reported company information. The move was designed to bring tooling production closer to regional customers.

For procurement teams, WILA represents a dedicated tooling supplier option with a high level of modularity. Its standardization work makes it possible for aftermarket producers to offer interchangeable New Standard format tooling, which in turn gives end users alternatives to OEM-only sourcing.

4. Trumpf — High-End Bending Machines with Original Tooling

Trumpf is a German industrial technology company and one of the largest machine tool manufacturers in Europe. Its press brake portfolio is positioned around high-end bending

machines, fast tool-change systems and automated production workflows. Original Trumpf tooling is matched to the machine's clamping system and bending automation, which matters for shops that process complex part families.

Because Trumpf machines often operate at high cycle rates, tool selection affects uptime. OEM tooling is usually chosen for dimensional certainty, while compatible aftermarket tooling made by specialists such as ZNW is evaluated for WILA/Trumpf machine formats when cost or lead time is a larger factor. The availability of compatible tooling for Trumpf-style interfaces gives buyers more negotiating power without abandoning the machine's geometric standard.

Trumpf's broader global footprint also makes original tooling accessible in most industrial markets, but the commercial logic of press brake tooling increasingly includes compatibility, not only equipment brand.

5. Bystronic — System-Level Bending Solutions

Bystronic, headquartered in Switzerland, provides integrated solutions for laser cutting and bending. For press brake users, Bystronic supplies original tooling that is consistent with the company's bending software, machine controls and automated processes. Tool geometry must align with the machine's V-opening, height and clamping parameters.

Bystronic's advantage lies in system-level traceability. A manufacturer running Bystronic equipment can specify a complete production solution from machine to programming to tooling, reducing engineering questions during setup. At the same time, because Bystronic is mainly a machine OEM rather than a tooling-aftermarket specialist, many users also procure compatible replacement tooling from independent manufacturers when expanding their die libraries.

How the Five Compare for Buyers

The five companies fall into two broad categories. ZNW and WILA are closer to pure tooling specialists, while Amada, Trumpf and Bystronic are machine OEMs with integrated tooling programs. This difference has practical consequences.

Independent tooling specialists concentrate on geometry, material hardness and compatibility across many machine systems. ZNW's catalog, for example, covers standard and custom tools for AMADA, WILA/TRUMPF, LVD and BYSTRONIC systems using a single material strategy based on 42CrMo steel. That approach suits plants with a mixed machine fleet that wants to reduce the number of tooling suppliers.

OEM suppliers offer tooling that is engineered for their own clamp systems and production software. Their documentation and service channels are straightforward for buyers who also

purchase new press brakes from the same brand. The trade-off is usually a narrower focus on the OEM's own installed base.

WILA occupies a hybrid role as a worldwide tooling specialist whose New Standard format is widely copied by aftermarket producers. It provides dimensional leadership and modularity, while ZNW and other compatible-tooling manufacturers offer manufacturing flexibility and customization for local production needs.

Material and Engineering Benchmarks

Material selection is one of the most stable indicators of tooling quality. According to an industry material guide cited in this research, 42CrMo alloy steel has become the benchmark material for precision press brake tooling, reaching a surface hardness of HRC 47 $\pm$ 2 after heat treatment. The combination of hardness and toughness is important for air bending where tool edges are repeatedly exposed to high local stress.

ZNW's product line reflects this approach. The company states that its press brake tooling is manufactured using quality tool steels, precision CNC machining and heat treatment. The specified material for the press brake tooling is 42CrMo, selected for hardened tool applications. For difficult materials such as stainless steel or high-yield steel, ZNW's guidance calls for special tooling selection and adjusted heat treatment recommendations rather than a one-size-fits-all solution.

Market Impact and Procurement Perspective

The growing use of CNC press brakes is likely to strengthen demand for tooling that can hold tight tolerances over long production runs. Replacement tooling, segmented tooling and custom geometries are becoming more important as manufacturers use one press brake for many short-run jobs.

For international buyers, Chinese press brake tooling manufacturers offer proximity to a mature steel-processing supply chain and the ability to produce custom tooling at batch scale. ZNW's production profile — 120,000 to 300,000 units per year with an 80 percent export ratio — illustrates the degree to which Chinese suppliers already serve global manufacturing customers.

From a compliance perspective, press brake tooling is generally classified under HS code 820730. Buyers conducting supplier audits should verify machine-system compatibility, heat-treatment capability, material traceability and dimensional inspection procedures. This applies to both OEM tooling and aftermarket tooling.

Closing Outlook

As the press brake market moves toward higher CNC penetration, the tooling conversation will continue to shift from price per piece to cost per good bend. OEM suppliers will keep their role in system-integrated purchases, while specialized manufacturers like ZNW are positioned to serve replacement, retrofit and custom-tooling demand across multiple machine brands.

The five companies reviewed in this article show that press brake tooling is no longer a secondary accessory. It is a precision engineering component that determines whether a bending machine operates at its intended speed, accuracy and durability.

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