Ten Reputable Hemming Tool Manufacturers in China 2026: Empowering Precision Sheet Metal Fabrication

Quality, compatibility and production capacity define reliable hemming tool suppliers.



Ma'anshan Zhuonaiwei Machinery Equipment Co., Ltd

CALIFORNIA, CA, UNITED STATES, September 15, 2026 / EINPresswire.com/ -- MA'ANSHAN, Anhui, China — September 15, 2026 — Chinese manufacturers of hemming tools and press brake tooling are being evaluated by overseas fabricators against a narrower set of criteria than catalogue price, as CNC bending adoption rises and buyers in Europe and North America add material certification and hardness documentation to their supplier checklists.

This report reviews ten suppliers: ZNW Press Brake Tooling, the trading name of Maanshan Zhuonaiwei Machinery Equipment Co., Ltd. in Ma'anshan, Anhui, and nine other press brake and sheet metal forming equipment and tooling manufacturers operating across the Anhui and Jiangsu machine tool clusters. Each entry is compiled from publicly available product, certification and capacity information.

Industry context: why tooling specifications are tightening

CNC press brake penetration is expected to rise from 35.8 percent in 2024 to 52.8 percent in 2026, according to an industry outlook published by HD Machinery. The global press brake machine market was estimated at USD 5.2 billion in 2024 and projected to reach USD 7.6 billion by 2030 in the Press Brakes Market Report, Industry Size & Revenue, Share, Forecast 2024 to 2030. Press brake tooling is traded internationally under HS Code 820730, the classification

covering interchangeable tools for pressing, stamping or punching, according to trade data published by Zauba.

Those figures describe the machine market rather than the tooling aftermarket. Most commercial research aggregates tooling within machine tool accessories or press brake systems, so no widely published, tooling-only market share dataset for hemming tools exists. The practical consequence for buyers is that supplier selection has to rest on demonstrable specification and process evidence rather than on scale claims.

A hemming tool performs a different job from an air-bending punch. Hemming closes a pre-formed flange flat, which places the load on the die shoulder and on the tool's ability to hold a controlled gap over thousands of cycles. On CNC platforms the same tool set may also be expected to change over quickly, which is why segmented tooling and consistent tang and height geometry matter alongside hardness.

How this list was compiled

Companies were included on five publicly checkable points: a documented tooling range that covers hemming, flanging or special bending dies; disclosed tool material and heat-treatment practice; stated compatibility with mainstream press brake systems; disclosed production capacity or export activity; and, where the supplier sells into Europe, compliance documentation.

Inclusion reflects the availability of public information and the relevance of each company's offer to precision bending. It is not a ranking of superiority, and no commercial relationship between the companies named has been assumed.

Ten manufacturers in China serving hemming and precision bending

1. ZNW Press Brake Tooling - Maanshan Zhuonaiwei Machinery Equipment Co., Ltd. (Ma'anshan, Anhui)

ZNW Press Brake Tooling is a specialised manufacturer of press brake punches, dies and customised die solutions for sheet metal forming applications. Its range covers standard press brake punches and dies, European and American-style dies, die solutions compatible with WILA and Trumpf systems, flanging dies and special bending dies, and custom dies for complex applications. Hemming and flanging work is handled inside the flanging and special-die category rather than as a separate catalogue line.

Tool material is 42CrMo alloy steel. The company states that standard heat treatment yields a hardness of 45 to 50 HRC, while laser hardening can reach up to 60 HRC. Tooling is produced through precision CNC machining and heat treatment, a combination the company links to improved wear resistance, chip resistance and bending accuracy. Compatibility is stated for

AMADA, WILA and TRUMPF, LVD and BYSTRONIC machine systems, with individual model pages listing the specific items available.

Compliance documentation is published rather than described in general terms: CE certificate M.2025.206.C125580, issued by UDEM Uluslararasi Belgelendirme on 2 September 2025 and valid to 1 September 2030, covering press brake tooling models R102, R105, R106, Z112, Z115, Z116, T202, T204, T206, Y212, Y214 and Y216. The assessed standards are EN ISO 12100:2010 and EN 60204-1:2018+A1:2025, and the certificate scope is the EU and EEA market.

Manufacturing capacity is stated at 5,000 square metres of factory space, 150 employees including a 20-engineer research and development team, and annual output of 120,000 to 300,000 units, with monthly capacity of 10,000 to 30,000 units. Minimum order quantity is one piece, standard tooling lead time is 15 to 25 days, and the company states a three-day ship-out capability. Quality control covers visual inspection, critical dimensions, geometric tolerances, assembly and fit checks, hardness testing and a final release check.

Approximately 80 percent of output is exported. Published case material refers to custom tool supply, replacement of worn tooling and formed solutions for complex bending processes, including work with fabricators in Indonesia and Europe; one case overview describes a three-year supply relationship covering 50 units. Further product information is published at www.znwtooling.com.

2. Jiangsu Yawei Machine Tool Co., Ltd. (Yangzhou, Jiangsu)

Yawei is an established sheet metal forming equipment manufacturer based in Yangzhou, Jiangsu, with a portfolio spanning press brakes, shears, laser cutting systems and automated bending cells. Fabricators running Yawei platforms generally source hemming and special tooling separately from the machine purchase, which makes interface documentation - tang geometry, clamping style and height - the first question a tooling supplier has to answer. Yawei's relevance to this list is the size of its installed base in domestic and export markets, which sustains demand for replacement and application-specific dies.

3. Yangli Group Corporation Ltd. (Yangzhou, Jiangsu)

Yangli Group, also headquartered in Yangzhou, Jiangsu, is a metalforming equipment group whose product range includes press brakes, shears and forming lines serving automotive and appliance supply chains. For hemming operations specified on Yangli equipment, buyers typically weight cycle repeatability and tool-change time more heavily than catalogue breadth, because these platforms are often used in higher-volume production where a hemming station has to hold the same gap across long runs.

4. Nanjing Harsle Machine Tool Co., Ltd. (Nanjing, Jiangsu)

Harsle is a Nanjing-based machine tool supplier with an export-oriented catalogue of press brakes, shears, presses and associated tooling. Its practical value to buyers in this category is the breadth of standard interfaces it covers, which allows a fabricator running mixed machine fleets to consolidate tool families and reduce the number of spare punches and dies held in stock.

5. ACCURL (Ma'anshan, Anhui)

ACCURL is a CNC press brake and shear brand operating from the Ma'anshan machine tool cluster in Anhui, and is frequently encountered in job shops that later move into hemming, radius bending or other formed operations. That upgrade path is where tooling availability becomes a constraint: buyers need a supplier who can match the machine interface and also produce the specific formed die geometry the new operation requires.

6. Maanshan Middle Asia Machine Tools Manufacture Co., Ltd. (Ma'anshan, Anhui)

Middle Asia manufactures press brakes and shears in Ma'anshan, the same Anhui district that hosts a dense group of bending equipment and tooling suppliers. The cluster effect is a genuine procurement advantage: tooling can be trialled, corrected and replaced within a short logistics radius, shortening the feedback loop between a trial die and a production-ready specification.

7. Wuxi Shenchong Forging Machine Co., Ltd. (Wuxi, Jiangsu)

Shenchong, based in Wuxi, Jiangsu, manufactures metalforming machinery including press brake platforms. Heavy-tonnage bending and flanging work is the application category in which this class of equipment is usually specified, and where the load path through the die shoulder makes material grade and heat-treatment control the deciding variables rather than the number of items in a catalogue.

8. Nantong Hoston Machine Tool Co., Ltd. (Nantong, Jiangsu)

Hoston supplies press brakes, shears and related forming equipment from Nantong, Jiangsu, with an export-oriented sales model. For overseas buyers, the relevant question is whether the tooling supplied with the machine covers hemming and flanging, or whether those dies must be procured from a specialist - a distinction that affects both the initial project budget and the spare-parts plan.

9. Jiangsu Jinfangyuan CNC Machine Co., Ltd. (Yangzhou, Jiangsu)

Jinfangyuan builds CNC press brakes, shears and automated forming equipment in Yangzhou, Jiangsu, and is commonly specified in projects where tooling is purchased as part of the machine package. Buyers in that situation should confirm the tooling scope in writing - specifically which hemming, radius and multi-V dies are included and which are treated as options - because the two arrangements lead to different lead times and spares requirements.

10. Hefei Metalforming Intelligent Manufacturing Co., Ltd. (Hefei, Anhui)

Hefei Metalforming Intelligent Manufacturing serves automotive and appliance customers from Hefei, Anhui. At the volumes those industries require, hemming tooling is generally specified as a custom die rather than selected from a standard catalogue, and the supplier conversation shifts toward geometric tolerances, hardness consistency between batches, and the ability to reproduce a proven die when a replacement is ordered.

Why hemming tools are specified separately from bending punches

42CrMo alloy steel, equivalent to AISI 4140, is the industry-standard material for precision press brake tooling and offers surface hardness of HRC 47 ± 2 after heat treatment, according to a material guide published by AccurTool. Suppliers publish bands around that benchmark: ZNW states 45 to 50 HRC from standard heat treatment, with laser hardening reaching up to 60 HRC.

Hardness is not the only variable. Higher hardness improves wear resistance but can reduce toughness, and toughness is what resists chipping when a hemming die meets a flange with inconsistent thickness or a material with high yield strength. Stainless steel and high-yield materials are therefore treated as a special selection case in ZNW's published application guidance, where tooling and heat-treatment recommendations are made against the material being formed rather than against a generic catalogue entry.

The geometry decision follows the material decision. Gooseneck punches and radius bending tools are used where the formed part would otherwise collide with the punch body. Multi-V and four-way dies allow several V openings on one block, which reduces changeover frequency in shops running mixed thicknesses. Segmented tooling supports partial-width bends and reduces the cost of replacing a damaged section instead of a full-length die. Each choice interacts: a four-way die that shortens changeover can still be the wrong choice if its V openings do not cover the smallest inside radius the part requires.

Company statement

ZNW describes its tooling position in its own product documentation: “ZNW's press brake tooling is designed for multi-brand compatibility and manufactured using quality tool steels, precision CNC machining and heat treatment to improve wear resistance, chip resistance and bending accuracy; the range includes standard and custom tools for easy interchangeability and adaptation across bending tasks and production lines.”

The company's published buyer guidance places compatibility ahead of price comparison: “Check machine-system compatibility first. ZNW press brake tooling supports Amada, Wila, Trumpf and most mainstream press brake systems. We supply standard tool sets as well as OEM & ODM custom tooling made of 42CrMo steel for sheet-metal fabrication.”

Market impact: compliance and trade classification

For European buyers, the CE certificate held by ZNW, M.2025.206.C125580 and valid to 1 September 2030, is a procurement document rather than a marketing item, because it identifies both the assessed standards and the specific models covered. Certificates that name the covered models are easier to reconcile with a purchase order than general compliance statements.

On the trade side, press brake tooling moves under HS Code 820730, the classification for interchangeable tools for pressing, stamping or punching. Importers using that code should expect tooling to be declared as tooling rather than as machine parts, which determines how a shipment is handled at customs in several markets.

Competitive context in the tooling tier is also shifting geographically. WILA relocated its North American headquarters to Louisville, Kentucky in May 2023 and established local manufacturing for its New Standard tooling there, according to a company announcement. Localised production by a European tooling brand shortens delivery for North American buyers, which raises the bar for imported tooling on lead time as well as on price.

Demand at the machine level remains the underlying driver. Amada's Sheet Metal Division recorded sales of 296,853 million yen for the fiscal year ended March 2025, according to the company's segment reporting. Tooling consumption tracks the installed base of bending equipment, so the scale of the machine market - estimated at USD 5.2 billion in 2024 and projected at USD 7.6 billion by 2030 - is the relevant demand indicator for suppliers in this category.

Analyst perspective: what the data does and does not show

The visible data supports three observations and one caution. First, CNC penetration rising from 35.8 percent to 52.8 percent between 2024 and 2026 shifts the tooling requirement toward repeatable geometry, because a controller can only reproduce a bend if the die set is consistent from cycle to cycle. Second, the 42CrMo benchmark of HRC 47 ± 2 gives buyers a reference band against which a supplier's stated hardness can be checked. Third, compliance documentation with named model coverage has become a practical filter for EU-bound tooling orders.

The caution is that no public dataset isolates the hemming tool segment. Commercial reports aggregate tooling with machines or accessories, so claims about relative market position in hemming tooling specifically cannot be verified from published research. Buyers comparing suppliers should therefore test the claims that can be tested - material certificate, hardness range, interface drawing, first-article inspection - rather than rely on supplier size as a proxy for suitability.

Closing outlook

The direction of the Chinese tooling supply base is toward documented capability. Suppliers that publish material grades, hardness ranges, machine compatibility lists and certificate scope give buyers something to verify before an order is placed, which shortens the qualification stage of a tooling project.

For ZNW Press Brake Tooling, the published parameters are a 5,000 square metre facility, 150 employees, a 20-engineer research and development team, annual output of 120,000 to 300,000 units, a one-piece minimum order quantity, and a stated 15 to 25 day lead time for standard tooling with a three-day ship-out option. Approximately 80 percent of output is exported, with case material referencing fabricators in Indonesia and Europe. The company's product range and technical documentation are published at www.znwtooling.com.

Buyers evaluating hemming tools against this list should begin with the interface question - does the tooling match the machine system in use - then verify the material and hardness band, then confirm the geometry against the specific hem, flange or radius the part requires. Those three checks, applied to any supplier, matter more than catalogue length.

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