

AMH Introduces Custom Production Machine for Industrial Manufacturing Processes

Camarillo, CA – May,13,2025 – American Machine & Hydraulics, Inc. (AMH) has announced the availability of two specialized technologies designed to support manufacturing operations in metal forming and fabrication environments:



Camarillo, California May 28, 2025 ([Issuewire.com](https://www.issuewire.com)) - American Machine & Hydraulics, Inc. (AMH) has announced the availability of two specialized technologies designed to support manufacturing operations in metal forming and fabrication environments: the Bellows Tangent Trimming Tool and a Custom Production Machine solution developed for precision-focused manufacturing systems. These technologies have been designed with attention to mechanical performance, component alignment, and operational consistency in settings requiring specialized machinery.

The Bellows Tangent Trimming Tool is engineered to address the production requirements associated with manufacturing metal bellows. Bellows components are typically utilized in industrial systems that require expansion, contraction, or movement compensation under variable thermal or mechanical stress. Accurate trimming of the tangent ends is a necessary operation in preparing these components for further processes such as welding or assembly. The tool is designed to perform this trimming procedure in a repeatable manner that maintains the geometry and dimensional tolerance of the formed part.

This trimming system is intended to function within both mechanical and liquid hydroforming production workflows. Its primary purpose is to support consistent outcomes in environments where deviations in bellows length or edge alignment could result in process inefficiencies or downstream complications.

The tool can be configured to handle variations in material type, diameter, and wall thickness, depending on the specifications required by a manufacturing line. AMH developed this trimming solution as part of its broader suite of tools intended for industrial tube and pipe applications.

AMH reports that the trimming system has been implemented in manufacturing lines where bellows are formed using different processes and materials. It continues to be adapted based on client-defined parameters, which may include tolerances, production throughput, and integration with other line operations. The design allows for operation as a standalone unit or as part of a larger bellows production system.

In addition to equipment for trimming and finishing, AMH provides engineering services for the development of custom production machines tailored to specific manufacturing tasks. These machines are typically designed following detailed technical consultations with clients to determine part geometries, materials, throughput expectations, and available production space.

The company offers a process wherein engineering packages may be purchased directly for internal fabrication. These packages include computer-aided design files, service documentation, and the required technical manuals outlining electrical, hydraulic, and pneumatic systems. This option is made available for organizations that have the internal resources and preference to construct machines in-house. The purchase of these materials is subject to a Non-Disclosure Agreement (NDA) and a Responsibility Acceptance Agreement (RAA), both of which outline the permitted scope of use.

Custom production machines designed under this program are developed to serve a variety of industrial functions. Examples include systems for end forming of tubing components, equipment for expanding or swaging metal pipe, and production solutions for forming complex geometries in structural and exhaust systems. Each machine design takes into account the client's required tolerances, material specifications, and existing production infrastructure. Controls, interface requirements, and safety mechanisms are integrated based on practical application and applicable standards.

These machines are typically applied in industries where components such as exhaust assemblies, air conditioning systems, metal housings, and structural tubing are manufactured. AMH's involvement in such projects may also include consulting services intended to assess the effectiveness of current machinery and offer engineering-based recommendations for modifications or replacements. These assessments are conducted to help identify inefficiencies or limitations in existing production systems.

In some cases, AMH evaluates client processes and proposes adjustments to tooling, machine configuration, or control systems to better align with intended production targets. The objective of these services is to provide practical insight based on operational requirements rather than theoretical assumptions.

About AMH

Founded in 1962, American Machine & Hydraulics, Inc. is an engineering and manufacturing company located in Camarillo, California. The company develops machines and equipment for use in metal forming and fabrication processes. Its focus includes tube end finishing, bellows production, pipe bending, and hydraulic-based forming systems. AMH engages with industrial clients to provide equipment design, machine fabrication, engineering documentation, and production process evaluation.

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