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www.arnold-fastening.com

ARNOLD®
BlueFastening Systems



StanzTec

Ready-to-assemble stamped bent parts

- Cost-effective components despite increasing complexity
- Short development times and rapid series production readiness
- Stable delivery capability despite fluctuating demand
- Variety of variants at the same time Economical production
- Safe industrialization of new components
- Sustainability and efficient use of resources

315 t
Pressing force

With press forces of 80 to 315 tons, variable material widths from 15 to 600 mm and material thicknesses of 0.3 to 6.0 mm, the plant technology covers a wide range of applications.



The StanzTec effect

High-performance machinery

↘ Where conventional solutions reach their limits, the strength of a high-performance StanzTec becomes apparent.

Precise forming

↘ StanzTec enables precise and at the same time powerful forming of a wide variety of components.

Wide range of parts

↘ From filigree precision parts to large-area formed parts, a wide range of applications is covered.

High efficiency

↘ Stroke rates of 30 to 240 strokes per minute ensure process stability, efficiency and consistently high quality.

ARNOLD®
BlueFastening Systems

StanzTec
Precision meets power – High-performance machinery



ARNOLD TV PRESENTS ARNOLD TV PRÄSENTIERT

Efficient Manufacturing of complex Assemblies

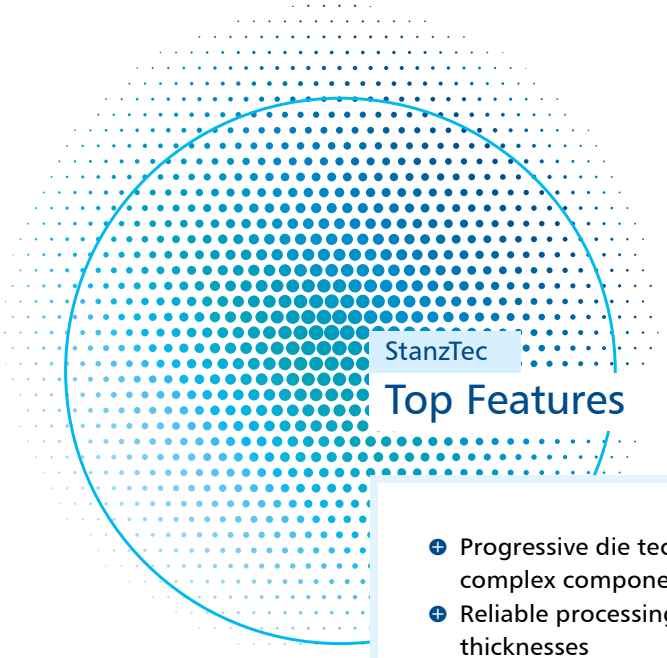
Precision ready for installation from a single source

By using the assembly assembly StanzTec high-precision, ready-to-assemble stamped bending Manufacture parts. Depending on the requirement, the parts can be with an already integrated fastener or as pure stamped bent parts be delivered. This procedure allows for a efficient, process-reliable production of complex assemblies and ensures maximum dimensional accuracy and Quality in series production.

High process performance Speeds

Maximum Cost-effectiveness

Technical advantages and unique features of StanzTec



A manufacturing solution for Complex components

- Progressive die technology for complex components
- Reliable processing of high material thicknesses
- Integration of press-fit elements directly within the stamping-bending process
- Function integration instead of separate processes
- High process reliability and repeatability
- Early technical support during the development phase
- Reduced scrap rate and minimal rework

In addition, you also benefit from commercial advantages

Reduced overall costs, a high level of planning security and stable delivery reliability ensure efficient project management, minimise risks and relieve purchasing and development – as the basis for a long-term partnership.

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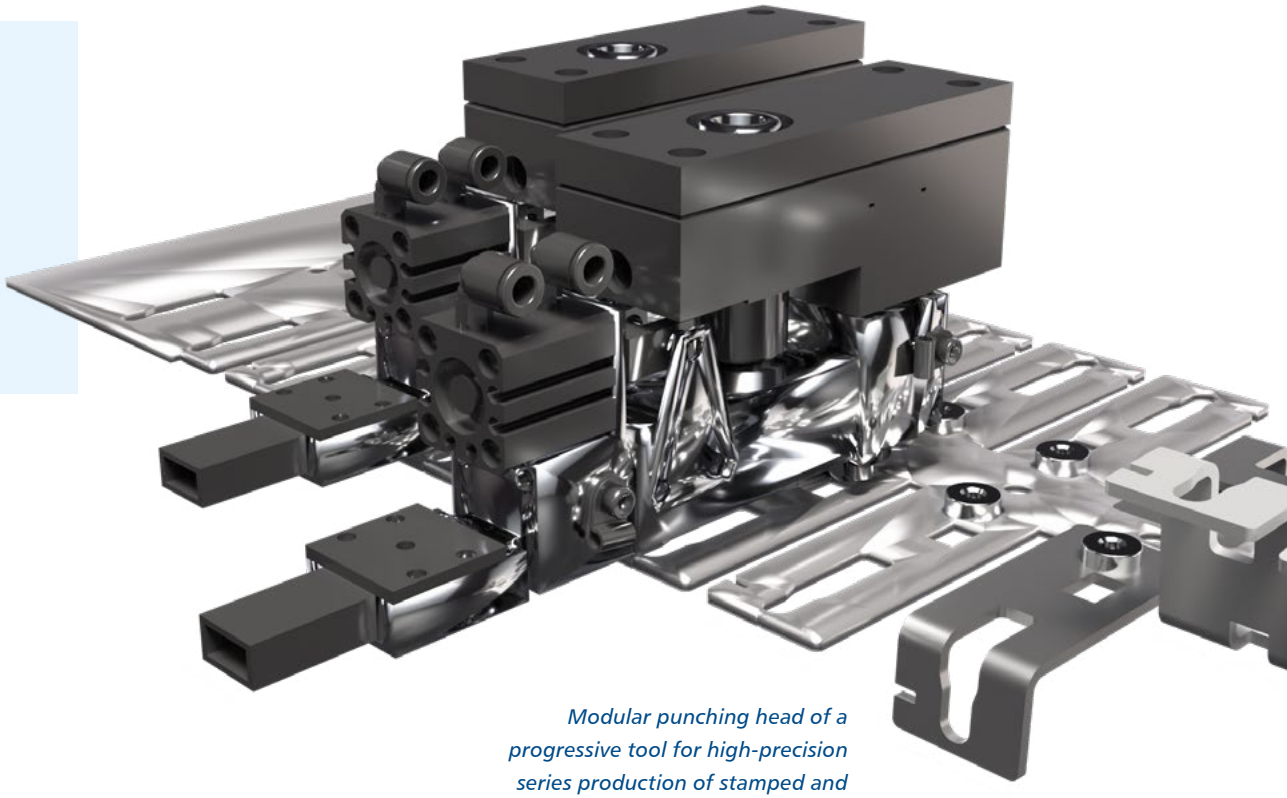
StanzTec
Progressive mould

Integrated precision manufacturing with progressive technology

The progressive compound technology combines several machining steps in one tool – for fast, precise and efficient part production.

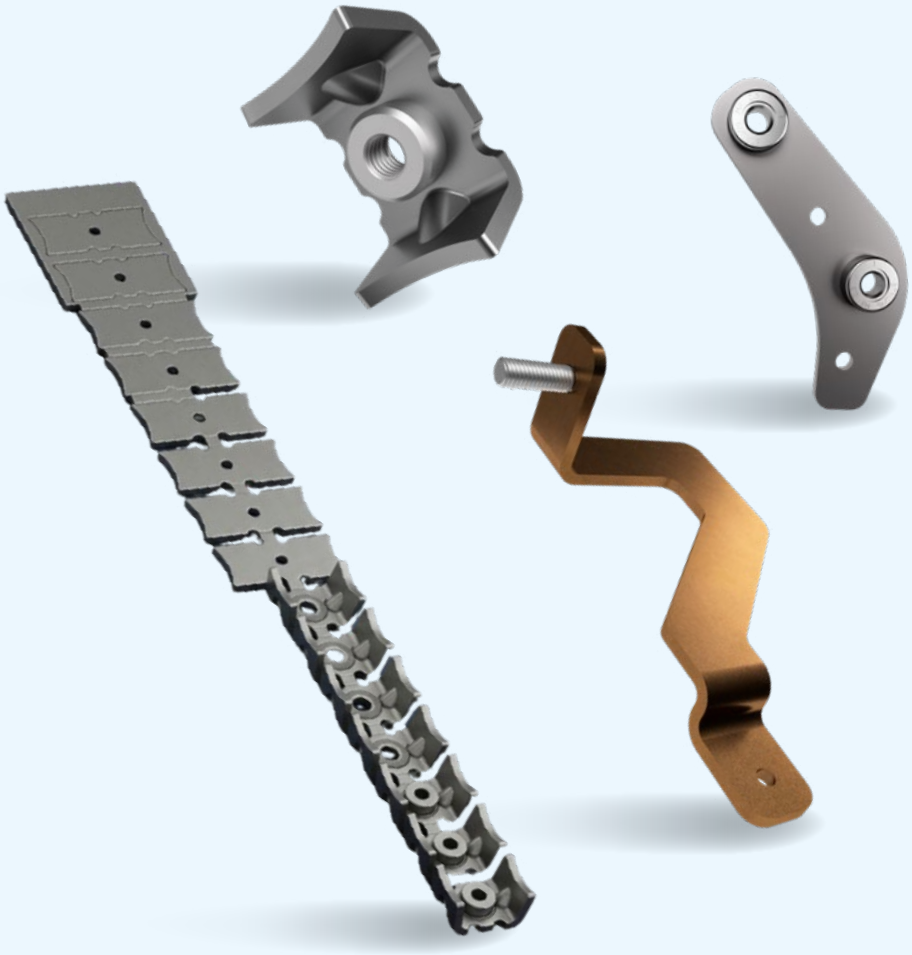
- Maximum cost-effectiveness
- High process speeds
- Reliable quality through continuous monitoring
- Material savings through efficient use
- Automated production



Modular punching head of a progressive tool for high-precision series production of stamped and stamped bent parts.

StanzTec
Quality assurance

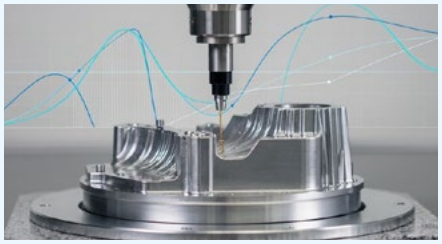
At StanzTec from ARNOLD, a multi-stage testing system ensures the highest component quality. Tactile round testers, 3D scanners and contourographs ensure precise geometry and shape testing – supplemented by hardness and surface tests according to customer specifications. High repeatability and permanently monitored processes reliably minimise scrap and rework.





3D scanner

for complex geometry acquisitions



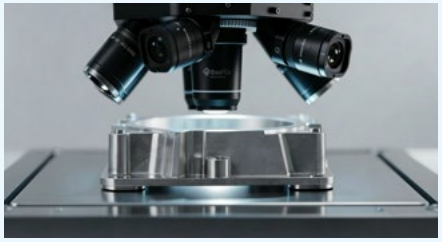
Contourographers

for measuring profiles and contours



Hardness testing methods

for material evaluation



Surface Inspection

to check customer specifications

ARNOLD®
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Notes



The ARNOLD GROUP

www.arnold-fastening.com

Wherever customers need us.

ARNOLD – this name is internationally renowned for efficient and sustainable fastening systems at the highest level.

With a foundation of many years of expertise in the production of intelligent fastening systems and very complex extruded parts, the ARNOLD GROUP has developed over a number of years into a comprehensive supplier and development partner for complex fastening systems. With our positioning of "BlueFastening Systems", this development process will continue under a united and harmonised structure. Engineering, services, fasteners and functional parts, together with feeding and processing systems, all from a single source – efficient, sustainable and international.

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