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Optimising costs by changing technology

Innovative manufacturing process achieves cost-optimised precision parts – the Conform process ensures smooth development process

(Forchtenberg) For many years turning technology was practically a synonym for the manufacture of highly-complex multi-functional components. However, accompanying the extreme accuracy of the manufactured products, this production process is also noted for the high cost of producing the parts.

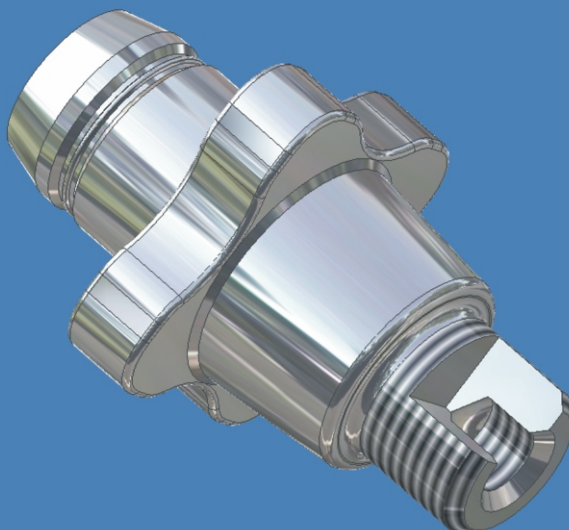
To meet the call for continuous optimisation of the cost of manufacturing multi-functional precision parts, Arnold Umformtechnik has developed Conform technology. This is a process of ma-

nufacturing products up to 80% more cheaply using the more economical cold forming process rather than turned parts as previously used, no matter what type of part or what the production quantity - and without compromising quality and functionality.

The applications for the products manufactured on the most up-to-date 6-stage presses are almost limitless. Parts with external teeth, form-rolled parts, hollow and semi-hollow parts, as well as eccentric products and bearing journals all meeting the most varied of requirements and tasks. As part of the development process the necessary parameters for economical manufacturing during the future series production run are agreed with the customer as early as the design stage of the Conform product. To ensure development security, following

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on from the design stage close-to-series functional samples are produced. These are produced by Arnold Umformtechnik using the Rapid Prototyping process, and they have the same characteristics as the series parts that will be manufactured during series production. This ensures that the customer's requirements are met at every stage of development.



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