

**Effective
Programme**



**Experience
the Difference!**

Expectations are confirmed

Purkert Metall & Form GmbH opts for RIVTEX clinch systems – 20 percent reduction in manufacturing costs – high process reliability ensures quality

(Forchtenberg). Purkert Metall & Form of Austria has a reference list that reads like the Who's Who of the European automotive industry. Strongly innovative, the company, which was founded in 1955 and specialises in punched and sheet metal components, has built up an outstanding reputation within the industry. When it comes to fastening technology, the company's management has always, at a very early stage of a project, examined system solutions such as the RIVTEX clinch system from Arnold Umformtechnik GmbH. **This system, which provides an alternative to conventional welding processes, consists of clinch studs and self-piercing nuts, has been in use at Purkert since the beginning of this year, and has consistently proved its worth.**

RIVTEX fully meets the high requirements profile imposed by the technical design engineers at Purkert. They were particularly impressed by the system's process reliability. The package solution consisting of stud, nut, along with the process technology tailored to the product, is outstanding for the fact that it is very easy to monitor. The system is easy to operate and can be incorporated quickly into the production line. As an alternative to welding, the RIVTEX system protects the surface structure of the application area and avoids the need for reworking.



High press-out stability

Purkert's customers also value the quality of the system solution. "Follow-up orders are guaranteed", said Josef Polzinger, Sales and Marketing at Purkert.

"There can be no better reference." But the most impressive factor is the system's process reliability. "It is very easy to monitor", said Polzinger, summing up. "Sensors are used to check that the screw has actually been inserted to its fullest extent."



Ing.
Josef Polzinger

Thanks to their wide adhesion range, RIVTEX components are very resistant to squeeze and torque. The ready-to-fit, high quality sheet-metal component thus has a fastening that is very secure against press-out.

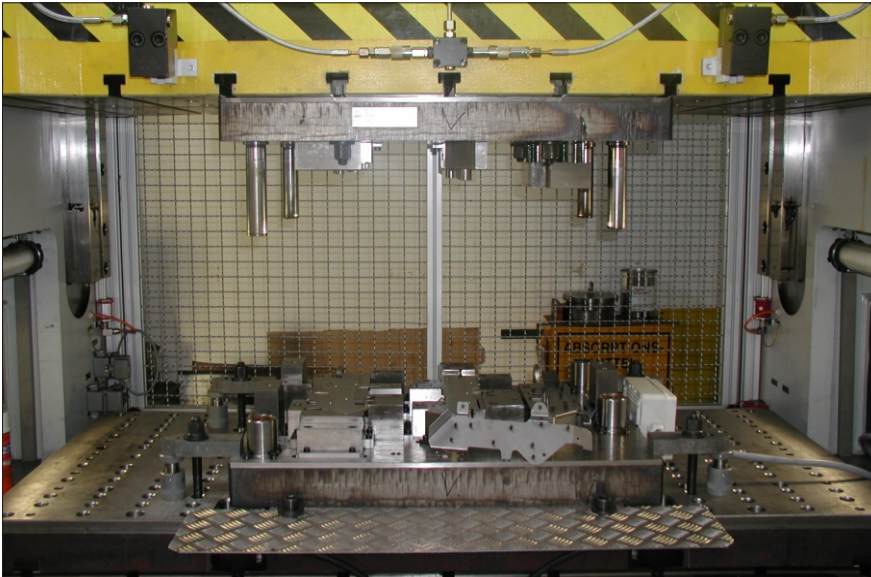
Enormous savings

But Josef Polzinger recognises that the biggest advantage lies in the potential for making savings. Although the investment and tool costs are higher than for conventional fastening techniques, ultimately it has been possible to make savings of around 20 percent. "Although the unit price is about 25 percent higher than that of welding, we have been able to reduce costs by around 20 percent," calculated the Marketing Director.

The major benefit of the system is that it is possible to automate the process in follow-on dies. This means that inspection intervals can be extended, thus saving time and money. Access to an available tool system reduces design costs, because press-in tools are generally available cheaply, and above all, quickly. "Added to that, the system allows for multiple press operations, so production time is greatly reduced," commented the engineer, adding a further argument in favour. At Purkert, up to ten

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The Arnold Group is a wholly owned subsidiary of the Würth Group, which, with over 54.000 employees and with 378 companies world-wide operates on a global basis with earnings of over 7 billion euros.

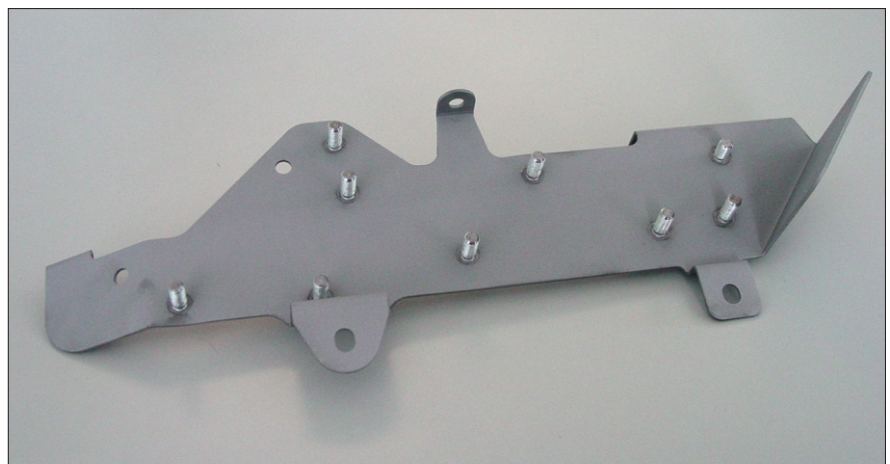
Using modern press tools Purkert Metall u. Form GmbH manufactures innovative parts for the sheet-metal forming industry.

press operations are effected at each stroke, which can give a considerable advantage over welding.

Low failure frequency

Analyses of the process operations at Purkert confirm the results: They have made savings of 50 percent on inspection costs alone. The system operates practically failure free, so no reworking is required. Rejects tend towards zero, so no adjustment parts are required. The same applies to the question of wear: maintenance work becomes superfluous.

Sales and Marketing Director Josef Polzinger has been able to draw up a satisfactory balance sheet: "RIVTEX has met all our expectations of a system solution –100 per cent. RIVTEX fasteners can be processed on the fast-running tool in exactly the same way as in the transfer press or the pressing line. It cuts out a complete work operation, and the quality of the fastener is better.



Engine bay support plate

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