

Press Release



TRUMPF Group
Press and Public Relations

**TRUMPF at the EMO 2007, Sept. 17-22, Hanover,
Hall 12, Booth C60/C72**

Thinking Sheet Metal Secures Competitive Advantages

Using best-practice examples, TRUMPF demonstrates savings potential in costs, material and processing time

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A new way of thinking: The Sheet Metal Alternative – that is the slogan of TRUMPF for EMO 2007. Many metal manufacturing processes can be considerably improved using innovative designs and the right combination of machines. A decisive step often includes supplementing – or even replacing – metal cutting processes with sheet metal processing. TRUMPF uses a number of examples in the booth at EMO to demonstrate real options for optimizing costs, manufacturing and functions (Hall 12, Booth C60/C76).

This year's roughly 500 square meter booth is filled with a wide variety of workpieces. While TRUMPF is also exhibiting four machines, the focus remains on what can be produced with them: Punching and bending products are normally much more economical compared with equivalent milled parts not only because of the lower machine price. Like laser-cut and laser-welded parts, they also have the advantage of faster production, as well as lower material and equipment costs.

Functional aspects frequently parallel the financial benefits, demonstrating that it pays to redesign parts and "think sheet metal." For example, a laser-cut and laser-brazed hydraulic control block made by Voith Turbo H+L Hydraulic GmbH & Co. KG, which was manufactured using what is known as multilayer technology, is not only considerably smaller than its milled counterpart, but also one-

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TRUMPF at the EMO 2007

fourth more powerful – at lower costs. This best-practice example is exhibited at the TRUMPF booth together with many others to demonstrate the potential TRUMPF technologies offer for safeguarding future competitive advantages.

“Many designers do not yet consider sheet metal despite its low cost, low weight and versatility,” observed Jörg Heusel, Director of Designer Training at TRUMPF. “However, as soon as they engage themselves in the topic – for example as part of our sheet metal forming workshop – most are quickly convinced of the benefits.” During this course, which has been held 178 times since 1998, trainees develop ideas for the future in an experimental workshop, learn about designs optimized for costs and processes, and look for new solutions for parts they deal with in everyday production.

The results of this workshop and of many individual consultations with customers were incorporated into the EMO exhibition concept. At the booth TRUMPF demonstrates how precise and flexible sheets of all thicknesses can be processed on the latest generation of machines.



TRUMPF is a high-tech company that specializes in production and medical technology. For further information about the company, please visit www.trumpf.com