

Essen, September 25, 2017

SCHWEISSEN & SCHNEIDEN 2017:

Global Players as well as Newcomers Present Trend Subject of Additive Manufacturing

Innovations on the Fair Booths and at the DVS Congress

As the world's premier fair for joining, welding and surfacing technologies, SCHWEISSEN & SCHNEIDEN 2017 becomes the showcase for innovative manufacturing procedures every four years. Additive manufacturing may also be specified as one of the great trends this year and has already gained acceptance in sectors with long product life cycles such as the automotive, aviation and heavy machinery industries. While some exhibitors are demonstrating their specialist competence using product solutions, the German Welding Society (DVS) is offering specialist information in the form of lectures about "Additive Manufacturing - Laser Beam" and "Additive Manufacturing - Arc" within the framework of the DVS CONGRESS.

Additive manufacturing is attracting ever greater attention not only in the economy but also in the public, in the research field and on the society level. The application fields extend right up to the pharmaceutical and medical sectors. A value added study commissioned by DVS forecasts that the global turnover in this area will rise to Euro 7.7 billion by 2023. The manufacturing procedures have been refined enormously in recent years. Moreover, the areas of application of additive manufacturing, for example, by means of arc technology have grown constantly in the last four years. Dr. Jörg Hildebrand from the Ilmenau University of Technology confirms that the manufacturing of large and complex structures is a trend which will continue in the future, too. A second trend consists of processing different materials into hybrid structures.

At SCHWEISSEN & SCHNEIDEN, global players as well as newcomers are introducing their innovations on the subject. For example, Trumpf is showing a machine for surface treatment by means of surface welding in Hall 10, Booth E 54. In the case of laser surface welding, the laser produces a molten pool on the component surface into which a metallic filler material in powder form is



25.-29.09.2017
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Veröffentlichung kostenfrei –
Beleg erbeten
Publication free of charge –
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INFORMATION

continuously input and melted completely. This leads to beads which are welded with each other and result in structures on existing base bodies or in whole components. The exhibitor also utilises the procedure for surfacing and repair.

Away from conventional manufacturing methods, GEFERTEC, an exhibitor in Hall 9, Booth 9A04, is developing a new procedure which is intended for manufacturing metallic components and offers unique possibilities to the designer, the engineer and the company. With the 3D metal printing process, the revolutionary production technology of 3D metal printing now offers the advantages of three-dimensional printing in the case of metal, too.

As a newcomer on the market, the Alexander Fliess company in Hall 12, Booth 12D48, is dealing with additive manufacturing with the "Complete Design" category.

On September 28, the DVS CONGRESS in the Congress Center Düsseldorf, CCD East (Hall M), will dedicate two sessions with six lectures to the subject of additive manufacturing and will offer space for exchanging ideas.

Further information at www.schweissen-schneiden.com.



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