bielomatik: Fakuma 2018

**Moulding design or joining geometry – good advice all along the line!**

As always, bielomatik presents its latest plastic welding systems at one of the most important fairs for industrial plastics processing – the Fakuma. In Friedrichshafen, the company takes the opportunity to display a comprehensive program to experts from around the world.

**Biggest benefit: systems engineering for all relevant welding technologies**

bielomatik is the only company offering the complete range of plastics welding technologies. The manufacturer from Neuffen enables international interested parties and customers to find, and apply, the best-possible joining process for almost any type of plastic. With over 70 years of experience in the development, construction and supervision of machines and systems, bielomatik is more than just an expert for plastic welding technologies for different industries. bielomatik supports customers as a central point of contact and support with individual consulting concepts and comprehensive services with a human touch.

**More welding with LasIR Turn2Weld**

With the new particle-free welding method of contact-free heating through laser radiation and high welding strength, customers of bielomatik achieve unsurpassed flexibility and variability no matter what kind of plastic welding job. The new, up to now unique two-step laser welding makes use of the LasIR Turn2Weld technology and has already entered series production. It combines the advantages of quasi-simultaneous laser welding with two-step infrared welding. Inside the separate processes of heating and joining, the joining surfaces are heated flexibly with high scanning speed before they are pressure-welded. Laser-transparent plastics and a special component design for penetration welding as well as different absorption properties of plastics aren’t an issue anymore. The new method offers previously unthinkable constructive freedom. Component changes and parts tolerances are easily adjustable. Housings and special component geometries, up to now unachievable, now become possible with laser-based infrared welding. Housings and special component geometries, up to now unachievable, can be realized with LasIR Turn2Weld.

**Brings together, what belongs together – bielomatik adds value**

bielomatik is not only your partner for tailor-made solutions, machines and systems for all relevant welding technologies, as well as automation and machining tasks. The experts from the Swabian Mountains listen carefully, provide individual advice from method up to specific application and supervise the development and construction of tools and systems. Of course, consulting is method-neutral. bielomatik is one step ahead regarding services, too: the new Remote Tool Connected Services raises process efficiency at maximum data safety.

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**Step-Up Team – concentrated innovation force in Neuffen**

The company considerably extended its capacities for application-technical developments around plastic joining. With innovations for challenges in joining technology, processes in the plastics industry are further optimized. The Step-Up team is engaged in deep research with important details like raw materials and the feasibility of simple test bodies. The development of new, customer-specific solutions for complex components in all established methods for plastic welding turns into a significant added value for customers. bielomatik customers benefit from complete service: In a fully equipped process laboratory pilot trials, test welding and prototypes and be researched, and process comparisons conducted. A complete analytics is available for the research of the effects of process parameters. Moreover, from now on more talent capacity is available to enlist in partner programs of publicly funded research projects. To top that, bielomatik now has also extended its training program.

**More at: fakuma-messe.de/en. All fair and event dates of bielomatik at: bielomatik.com/en/news/trade-fairs.html**