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Latest news

Increased efficiency at lower price

NIMAK presents a new generation of the “a.tron” glue dosing system with significant advantages

Wissen, June 2017 – The new generation of the “a.tron” glue dosing system presented by NIMAK GmbH provides the user with a significant increase in efficiency. With this innovation the company based in Wissen, which along with gluing and dosing technology is considered one of the globally leading suppliers of resistance welding technology and is the largest German manufacturer of robot welding guns, has facilitated a leap in industrial glue-joining technology. This is the result of a completely new glue control. Since NIMAK has partly integrated it and thus the intelligence of the plant into the dosing feeder, one complete dosing control cabinet has been eliminated. “Our customers profit from this further development to a significant extent” emphasizes Dr. Niels Hammer who is responsible in the NIMAK company management for the gluing and automation division.

Since the sensor signals are now immediately processed by the dosing feeder and sent in real-time to the controller, the wiring costs are significantly lower. The elimination of a control cabinet results in considerable space savings, which is very important in the production area, for instance in the automobile industry. At the same time, this is associated with a savings of about 20 percent of the investment costs. Moreover, with the new “a.tron” controller, NIMAK once again simplifies operation, which has become intuitive and easy to learn. Access is optionally possible through a laptop, master computer or a panel that can control more than 50 systems. Another benefit is that production

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can now start up faster since during a new start, emergency-off or docking process referencing is no longer necessary.

"This increase in efficiency along with the associated cost savings together with the consistently high performance of the entire glue dosing system is certainly very attractive for the user" Hammer is convinced. "I am more than confident that this will be very well received by the market." Since NIMAK is the only company in joining technology that offers both the resistance welding and gluing joining technologies, thanks to the large amount of experience in the area of robot welding guns it was possible to take once more take advantage of synergies while developing the new controller. The customers who are active both in the area of welding and gluing also profit from a uniform user interface.

NIMAK developed the application technology for adhesives, sealants and insulating materials by itself right from the start. The medium-sized company supplies the complete system with perfectly matched components, from the double drum pump and control system through the dosing head. The latter sets itself apart with its high degree of dynamism and precision during application. In particular, the automotive industry counts among the most important customers in this area. "For them, the new "a.tron" generation represents an encouraging prospect" underlines CEO Hammer.

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| Figure:

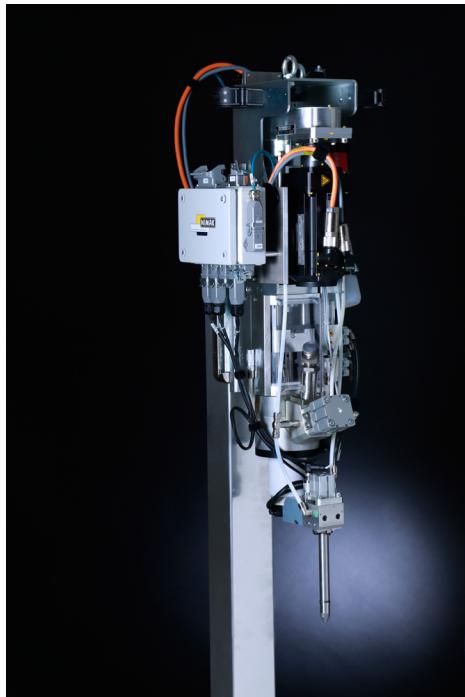


Fig. 1: In the new “a.tron” generation, NIMAK integrated part of the controller into the dosing feeder, which now immediately processes the sensor signals.

Photo: NIMAK GmbH

| About NIMAK

On a global scale, NIMAK is the only supplier of resistance welding and simultaneously adhesive technology. The company headquartered in Wissen is considered an innovation leader by customers and users. As the inventor of robot welding guns, NIMAK has helped this technology gain acceptance and in this sector is now the largest German and international leading manufacturer. The joining specialist from the Westerwald district is the sole premium supplier of the automobile industry that has the approval to meet customer-specific standards for welding guns. Furthermore, manual welding guns, welding machines and gluing and dosing plants are also included in the product portfolio. The company also develops individualized automation solutions for all applications. With more than 50 years of experience in the “perfect connection”, NIMAK is active around the world. 430 employees support customers from highly diversified sectors - in particular automotive, consumer goods, the aerospace industry and metal working - with their challenges in production and accompany them in new markets and in unchartered technological territory.

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