

New robot welding gun for the world market

The “ntcGUN” can be flexibly adapted to various customer requirements, specifications and markets

Wissen, September 7, 2021 - NIMAK has developed the “ntcGUN” robot welding gun especially for use in local foreign markets. The name stands for "NIMAK TÜNKERS Compact Gun" and highlights the two companies' first joint development. NIMAK has been part of the TÜNKERS Group, which is represented at 37 locations worldwide, for more than one year. “This infrastructure is the essential prerequisite for our concept of developing for the world market welding guns that can be easily adapted to local requirements,” explains Kay Nagel, Sales Manager at NIMAK. On the one hand, it is a question of technological flexibility and, on the other hand, the sometimes necessary compliance with local content regulations.

With its international presence, NIMAK manufactures the new "ntcGUN" not only at its German headquarters in Wissen, but also in the USA, Brazil and China, the most important key markets for automobile production. From these production facilities, the largest German manufacturer of robot welding guns and one of the world's leading providers of resistance welding technology supplies other countries in which automobile production plays a role.

NIMAK makes its know-how as well as “ntcGUN” construction plans, tools and appropriate training available to the Group's locations in the most important export markets. This guarantees a partially prescribed local value added in the respective countries. Moreover, the numerous branches located around the world ensure global after-sales service.

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French OEMs are the target group on the European market. Therefore, the company has further built up and expanded the sales and service team there.

Smaller, lighter, less expensive

The "ntcGUN" features a particularly slim, compact and light structure. All essential components are well protected between two side plates. Even without an additional console, the user can mount the gun at several positions on the robot. It meets all common standards and requirements for spot welding in series production and is small, light and inexpensive. Compared to competing products, it is one step ahead in these aspects. "The 'ntcGUN' is ideal for the cost-conscious buyer who does not want to forego quality 'Made in Germany' and wishes to rely on a well-engineered manufacturer standard," states Nagel.

The open, modular design concept of the "ntcGUN" also allows using servomotors and transformers from other manufacturers specified by the customer. It can be used as the 7th axis operated on almost all common robot types in the world and thus meets possible local requirements. For example, if the aim is to build a gun for the US market, where local content is particularly important, NIMAK can equip it with an American motor and transformer. In the standard version, it is supplied with the tried and tested medium-frequency transformer and powerful NIMAK servo drive.

Welding gun configurator saves time and money

Making it easier for customers to choose the right gun for their special applications and various configuration options, NIMAK offers a freely accessible welding gun configurator on its website. There, it is possible to configure the welding gun virtually and compare the model

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assembled in this way with production requirements. So far, there have been over 50 configuration variations in gun-arm selection; for example, whether it has to be shorter or longer, straight or curved for the task to be welded. "With the gun configurator, our customers ultimately save two to three weeks of time as well as considerable construction costs," stresses Nagel. "That is certainly a significant added value, just as robot welding guns' flexible adaptation options contribute to global standards."

| Illustrations:

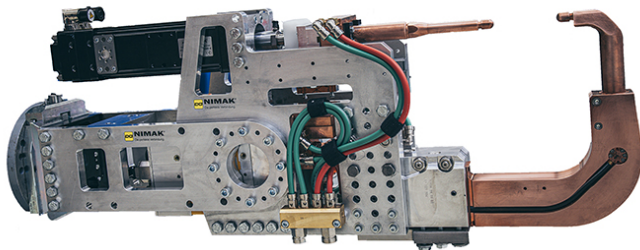


Fig. 1: NIMAK's new "ntcGUN" - here as a C-gun - features a compact, lightweight design and is intended to appeal particularly to cost-conscious buyers on the world market.

Photo: NIMAK GmbH

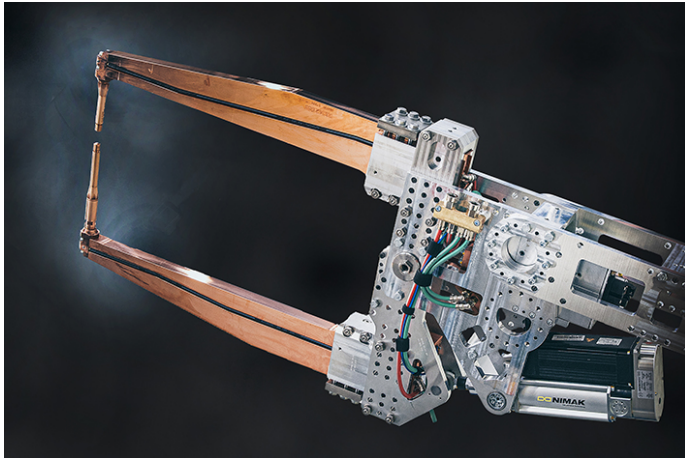


Fig. 2: Due to the possible combination of a wide variety of drives and transformers as well as the respective country's components, the "ntcGUN" - here in the picture as an X-gun - can more easily meet any local content regulations.

Photo: NIMAK GmbH

| About NIMAK

On a global scale, NIMAK is the only supplier of resistance welding and simultaneously gluing 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 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. 250 employees support customers from highly diversified sectors - in particular automotive, consumer goods, the aerospace industry and metalworking - with their challenges in production and accompany them in new markets and in uncharted technological territory. Since July 2020, the company has been part of the TÜNKERS Group as an independent brand, whose product range includes components and systems for automating car body production in the international automotive industry.

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