

Robot welding gun

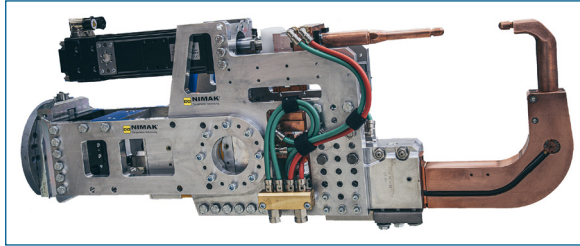
NIMAK has developed its ntcGUN robot welding gun especially for use in local overseas markets. The name stands for “NIMAK TÜNKERS Compact Gun” and highlights the two companies’ first joint development. NIMAK has been part of the TÜNKERS Group, which has 37 locations worldwide, for more than one year.

“This infrastructure is the essential prerequisite for our concept of developing welding guns worldwide that can be easily adapted to local requirements,” explained Kay Nagel, Sales Manager, NIMAK. “On the one hand, it is a question of technological flexibility and, on the other, sometimes necessary compliance with local content regulations.”

NIMAK manufactures the new ntcGUN at its German headquarters in Wissen, as well as in the USA, Brazil and China (key markets for automobile production). “NtcGUN” construction plans, tools and appropriate training is available to the Group’s locations in its most important export markets. Its branches also offer a global after-sales service. French OEMs are the target group in the European market; the company has built up and expanded its sales and service team there.

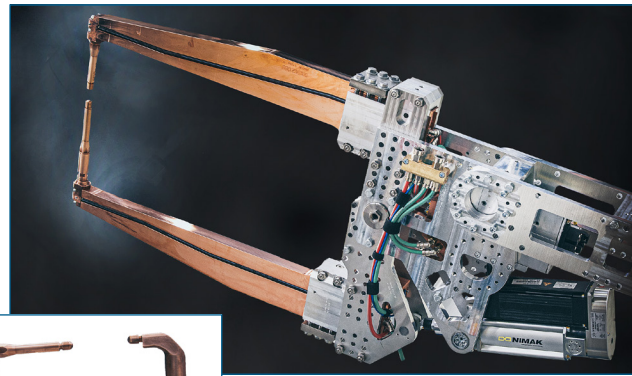
“The ntcGUN has a particularly slim, compact and light structure. All essential components are well protected between two side plates. Even without an additional

console, the user can mount the gun on several positions on the robot. It meets all common standards and requirements for spot welding



in series production and is small, light and inexpensive. It is ideal for the ‘cost-conscious’ buyer who does not want to forego ‘Made in Germany’ quality and wishes to rely on a well-engineered manufacturer standard,” explained Nagel.

“The open, modular design concept of the “NtcGUN” also enables the use of servomotors and transformers from other manufacturers specified by the customer. It can be used as the seventh axis operated on almost all common robot types in the world and therefore meets possible local requirements. For example, if the aim is to build a gun for the U.S. market where local content is particularly important, we can equip it with an American motor and transformer. In the standard version, it is supplied with the



Above: With a wide variety of drives and transformers, plus a respective country’s components, the ntcGUN (seen here as an X-gun) can more easily meet local content regulations.

Left: NIMAK’s new ntcGUN — pictured here as a C-gun — has a compact, lightweight design.

medium-frequency transformer and powerful NIMAK servo drive,” added the company.

NIMAK offers a welding gun configurator on its website. Users can configure the welding gun virtually and compare the model assembled in this way with production requirements. There are over 50 configuration variations in gun-arm selection.

NIMAK supplies resistance welding and simultaneously gluing technology. Manual welding guns, welding machines and gluing and dosing plants are also included in its product portfolio. The company also develops individual automation solutions for all applications. ■



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