

## Application example Insulation on plastic part

The application was produced with integrated 35 kHz IPA3505 actuator units, 500W output, fitted to a special-purpose system.

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PLASTIC WELDING	METAL WELDING	CUTTING	CLEANING	SCREENING
		Task For automotive applications, an insulator must be applied at several points on a plastic cover. The process should take place semi-auto- matically, i.e. the parts to be joined are positioned in the system by hand and the cycle is manually started by pressing the start knob. There are no special requirements with regard to welding quality. <b>Solution</b> The spot welding application is implemented with several inte- grated IPA3505 actuator units in a special-purpose system. The compact welding unit is available in two versions: The IPA type includes a pneumatic feed with a maximum welding force of 450N and 50 mm stroke. The IPM type is ideal when the machine builder uses its own actuators. Control is performed by the system-side PLC controller.		
	T a c r p iii p	Configuration advantage The IPA3505 actuator un and converter in one con cabling for high-frequence esult, the IPA3505 actua pose systems with simpli- nclude high repeat preci- pendent and process-opti- across a long lifespan.	it combines a compac npact unit, with no ne cy applications and co ator unit can be integr city and flexibility. Add sion and process fidel	eed for expensive ommunication. As a rated into special-pur- ditional advantages ity, position-inde-

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