

Maserati bumpers

Precise welding with ultrasonics

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Flawless bumpers from Maserati

FT. FAMAT is a specialised automotive custom plant constructor located close to Turin. In collaboration with TELSONIC AG, the company built, in the north Italian factory for the IMR Group, a plant which produces both the front and the rear bumpers for the Maserati GranTurismo models through a fully automated process. The PP (polypropylene) elements to be joined are first pre-treated with plasma technology so they can be bonded fully automatically via ABB robot systems. In the final step, two plastic modules of the front bumper are riveted together by ten TELSONIC AG ultrasonic units mounted on actuator units.

This process uses MAG type digital ultrasonic welding generators (1200 W, 35 kHz) with Profibus DP and SE converters, as well as application-specific ultrasonic sonotrodes.



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