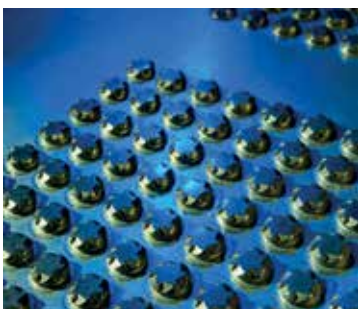




EJOWELD® is a business unit of EJOT GmbH & Co. KG, a global company in the field of fastening technology. The introduction of lightweight and composite design in nearly all components of future vehicle models, has been solved for some time, by using boron-alloyed hardened and tempered steels, so-called high-strength steels.

The new methods allow the previously largely pure steel structures to be replaced with suitable, lighter material combinations. EJOWELD® is developer, manufacturer and system supplier for robot systems suitable for mechanical joining processes on the basis of friction welding with fastening elements.



Aluminium- / steel-sheet joints with EJOWELD® CFF

Features of the EJOWELD® process

- Lightweight design material combinations: Aluminium / steel and steel / steel
- Permanent joints of form, force and adhesive bond
- Quality rate > 99.995 %
- Energy efficient joining process
- No inert gas needed for the process

Benefits of EJOWELD®

- Reduction of the variety and number of attachments points
- Universal, reliable technology for a multitude of material thickness combinations
- Minimal space requirements for the manufacturing technology in production
- Clearly improved overall costs situation
- Facilitates new material combinations and design strategies for cars