

Modular Lightweight Gripper System

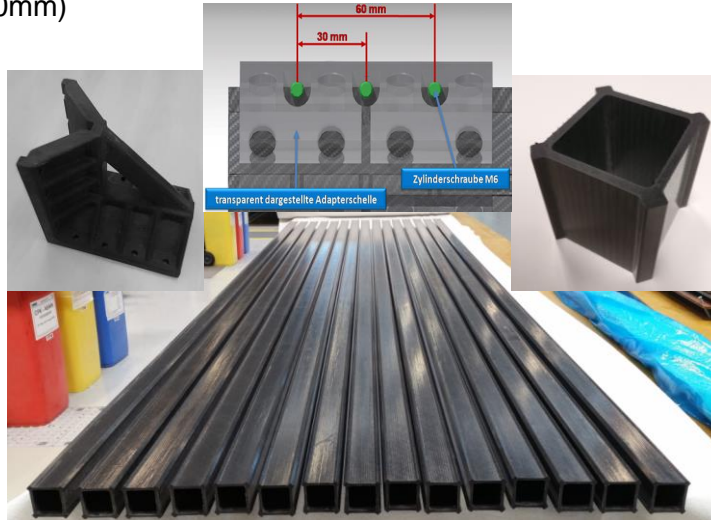
Level 1: Weight reduction: 15-25 % depending on gripper system

consists of the conventional three EGT-profiles made of aluminum in combination with CF-SMC elements including various connectors and two robot flange plates

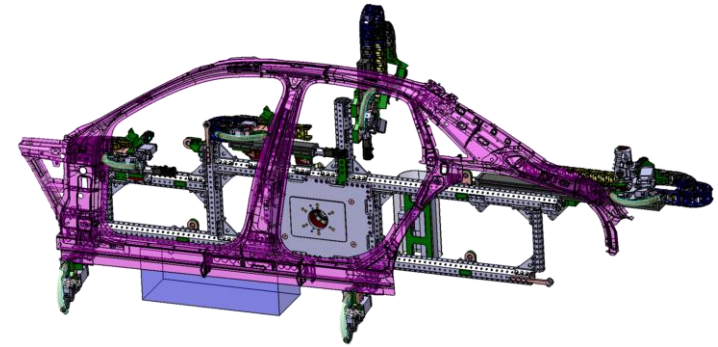


Level 2: Weight reduction: 40-60 % depending on gripper system

System kit consisting of complex pultruded CFRP profile (the "X-Profile") with multi-directional layer structure, various connecting elements made of CF-SMC and just one CFRP round tube (d=40mm)

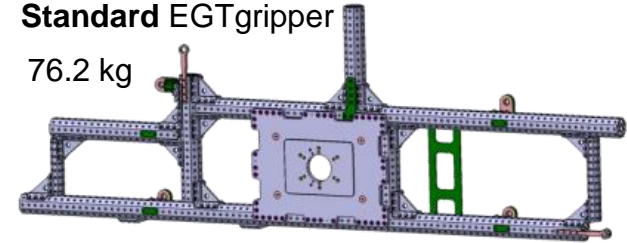


Example: Robot gripper of Audi for car sidewall



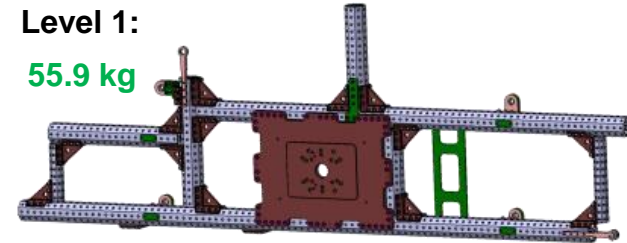
► Standard EGTgripper

76.2 kg



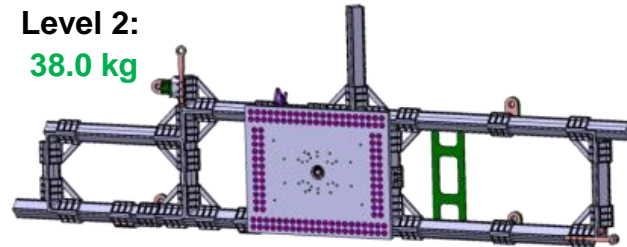
► Level 1:

55.9 kg



► Level 2:

38.0 kg



Special thanks to our core project team

- ▶ Reinhard Dorner, Audi AG (Ingolstadt)
- ▶ Frank Stief, PSW / Audi AG (Ingolstadt)
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and many thanks to our supporters:

