

Lightweight Steel Stud Welding

One Weldflange to cover the entire Steel Carbody
→ Thin to Thick / Mild Steel to Ultra-Highstrength Steel

Reducing CO2 emissions is a global goal for every Auto OEM

Tucker supports light weighting to fulfil emission goals by offering a complete portfolio of parts and technology to support the usage of Mild to different grades of Ultra High Strength Steel.

This was the key to comply with upcoming safety and environmental regulations in various countries. Tucker Studs enable OEMs to use their existing fixation methods in nearly every light weight applications.



The Challenge:

Multi material steel design often requires complex part handling to provide the best stud for every grade.

- Standard flange
- Ring flange
- Studs with high stand

Our Solution:

- Unique Weld Flange for all Steel Grades
 - Mild steel
 - HSS
 - UHSS - 1.600 Mpa
- All Thicknesses
 - 0,6 mm – 2,2mm

Main Benefits:

- Standardized studs and part numbers
- Minimizing number of equipment spare parts by using same stud design
- Lower Total Cost of Ownership

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Tucker stud welding systems offer optimized parameter settings for your use case to ensure best results:

- High strength on thin metal sheets
- Minimum splatters on any materials above 900MPa.

All from one source

- Weld Studs
- Welding equipment
- Service and support

