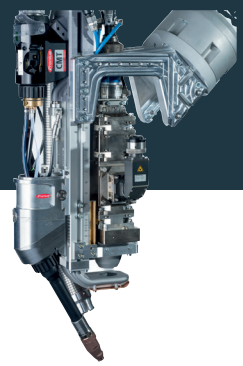


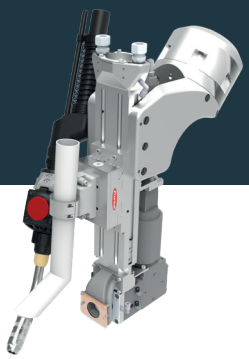
Laser–Hybrid

Laser & MIG/MAG

LaserHybrid
CMT Universal



LaserHybrid
Fillet Weld

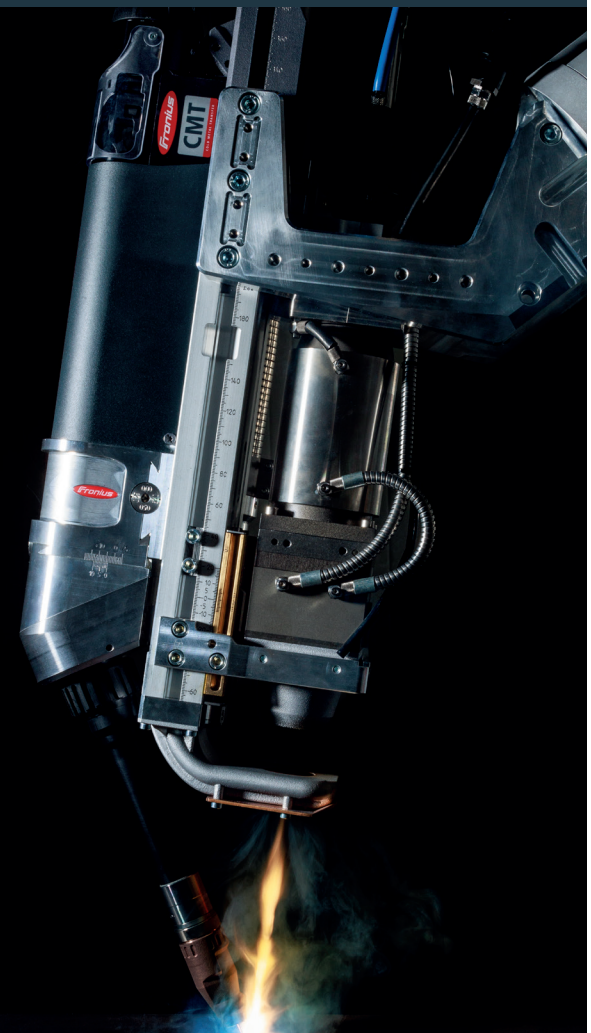


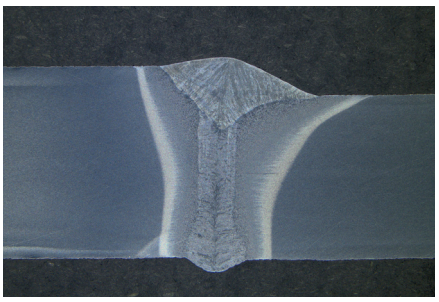
- High welding speed - up to 5 m/min
- Lower heat input - less distortion
- Drastically reduced consumption of filler material
- Good gap-bridging ability
- One system for three processes - LaserHybrid, Laser, MIG/MAG
- Deeper, narrower penetration

Applications

Optimized for aluminium welds: Significant reduction in porosity

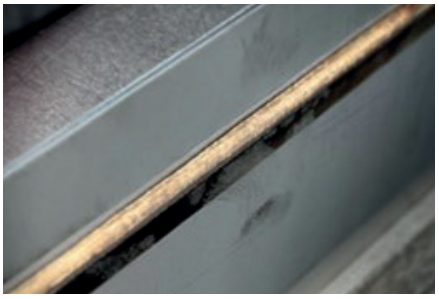
- Hydrogen tanks
- Battery trays
- Crane booms
- Axles
- Boilers





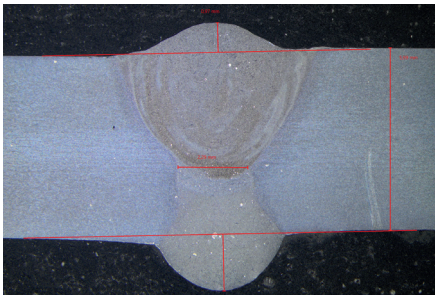
Steel

Base metal: S1100QL
Thickness: 6 mm & 5 mm
Filler metal: G4Si1
Vs = 2.2 m/min
Laser Power = 6200 W
I = 163 A



Galvanized steel

Base metal:
S355 (Elo-galvanized)
Thickness: 1 mm
Filler metal: CuSi3
Vs: 4 m/min
Laser Power: 3500 W
I: 195 A



Aluminum

Base metal: AlMg5
Thickness: 1 mm
Filler metal: AlSi5
Vs: 2.8 m/min & 1.5 m
Laser Power: 7700 W & 3500 W
I: 115 & 133 A