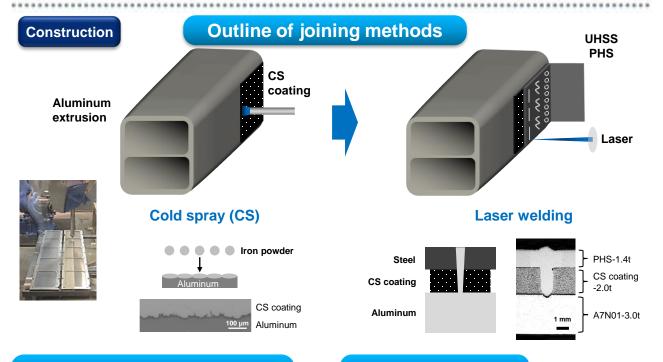
KOBELCO

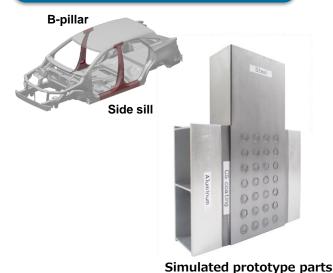
Laser Joining of Dissimilar materials Using Cold Spray Process

Effect

- Ultra-high-tensile steel sheet and extruded aluminum alloy can be joined quickly.
- Pre-drilling of steel sheets and aluminum alloy is unnecessary.



Assumed application locations



Joint characteristics

Steel Sheet ; PHS-1.4t, Aluminum ; A7N01-3t (with CS-2 t) Heat Source : Fiber laser , Power : $5 \, \text{kW}$, Welding speed : $4 \, \text{m/min}$

