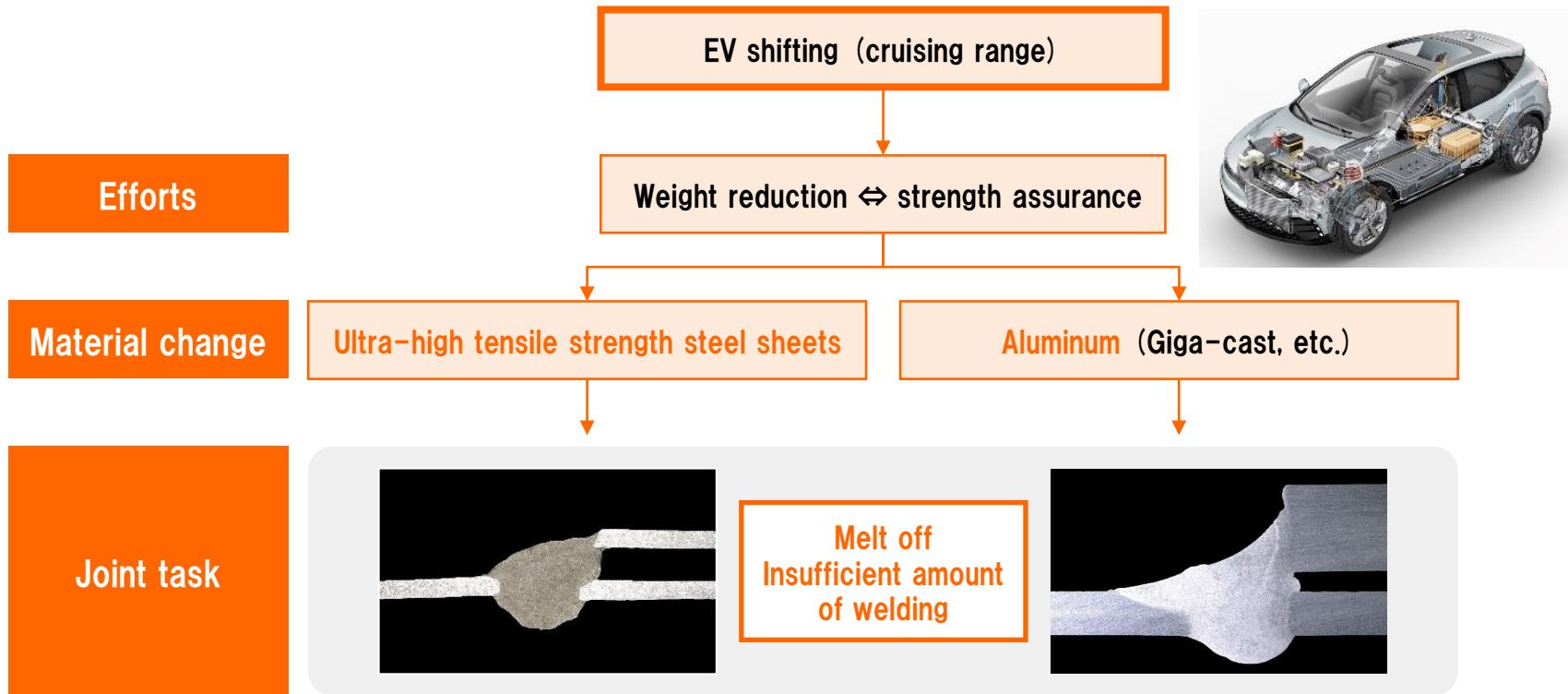




Ideal for Welding High Strength Steel and Gigacast Components in Electric Vehicles!

Synchro Feed Evolution



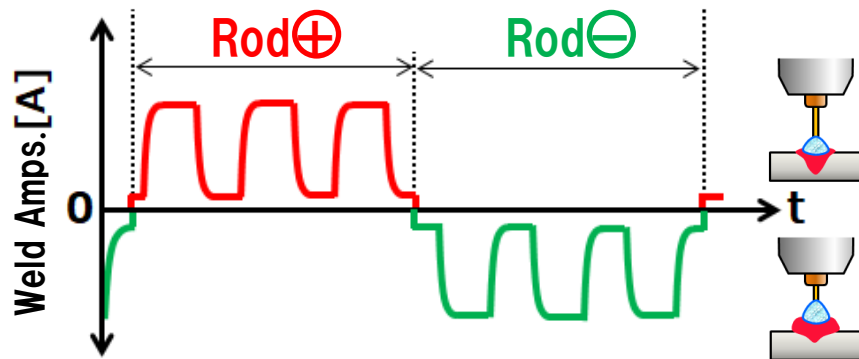
High welding with low heat input is required.

NEW

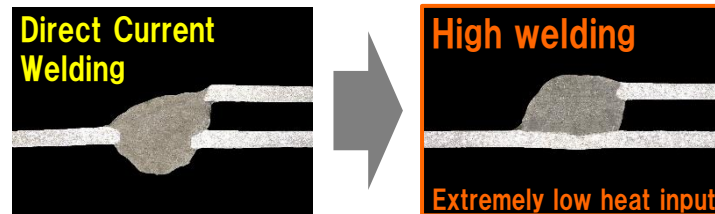
Orthogonal synchro feed welding

DAIHEN

Ideal for thin ultra-high-tensile materials (iron materials).

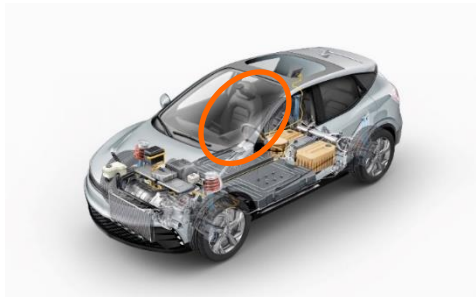


Rod ⊖	0%	50%	100%
Cross section			
Heat input	Large		Small
Welding quantity	Small		Large



Weldable gaps over plate thickness!

Lap weld with 0.6 mm, 0.8 mm gapped plate thickness



Sheet sheet parts

Gap welding over plate thickness

Welding conditions	
Welding current and voltage	80 A, 13.8 V
Welding speed	60 cm / portion
Base metal	Ultra-high tensile strength steel
Fitting	Lap joint (upper plate 0.6 mmt, lower plate 0.8 mmt)
Gap	1 mm

Ideal for welding aluminum material (giga cast)!

Rod ⊕



- Melt the base metal
- Cleaning action

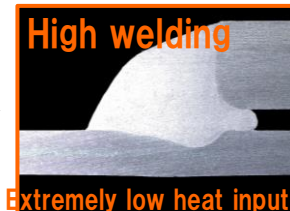
Rod ⊖



- Melt the wire
- Reduction of heat input to base materials



Rod ⊖	0%	15%	25%
Cross section			
Heat input	Large	Small	
Welding quantity	Small	Large	



※D.C. welding is only for rod +

Lap welding of different plate thicknesses



EV outer case

Thickness difference + gap welding

Welding conditions	
Welding current and voltage	125 A、14.0 V
Welding speed	60 cm / portion
Base metal	A6061 upper plate 3 mmt, lower plate 2 mmt (gap 1 mm)
Welding method	AC synchro feed pulse welding
Wire	A4047 1.2 mm Φ

For high-quality welding of synchro-feed
evolution **Contribute to the welding of
automobiles, which are becoming more difficult.**

DAIHEN