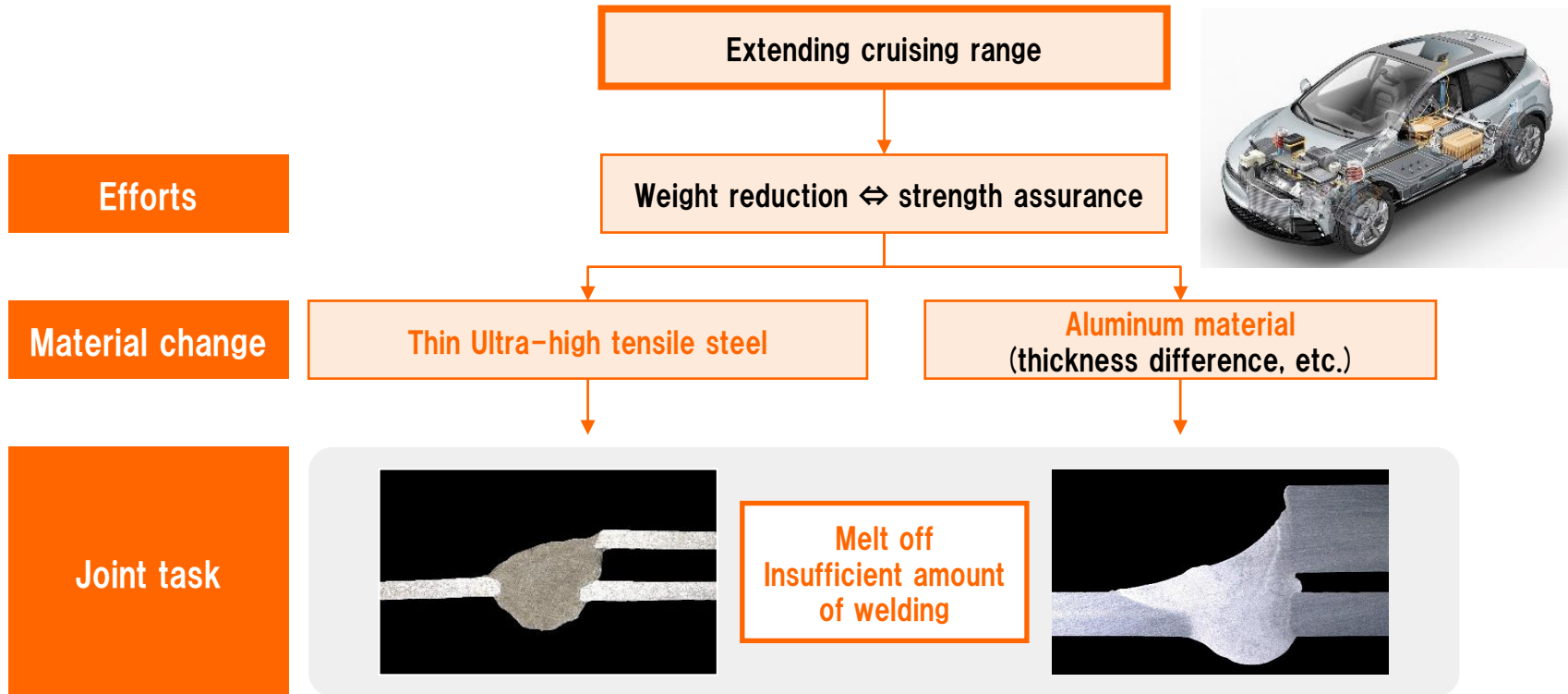




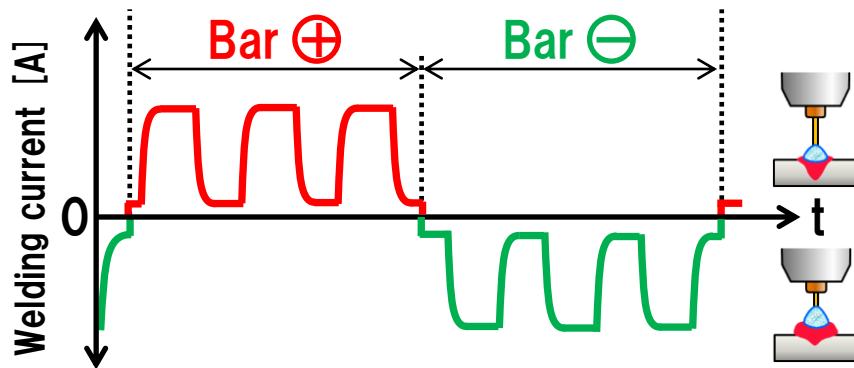
Ideal for Thin-Plate Welding of High Tensile Strength Steel and Aluminum

Synchro Feed Evolution

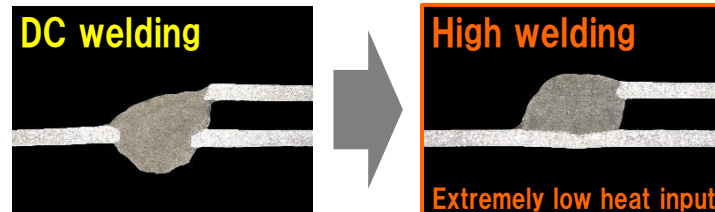


High welding with low heat input is required

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

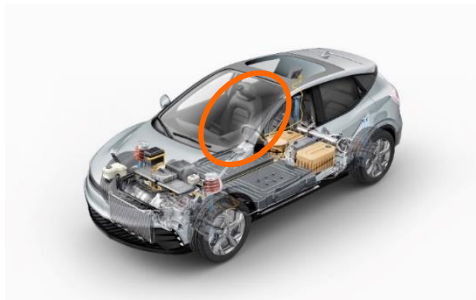


Bar $\ominus$	0%	50%	100%
Cross section			
Heat input	Large		Small
Welding quantity	Small		Large



Weldable gaps over plate thickness!

Lap weld with 0.6 mm, 0.8 mm gapped plate thickness



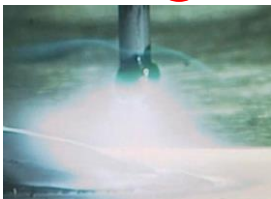
Sheet sheet parts

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 materials!

Bar ⊕



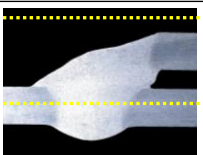
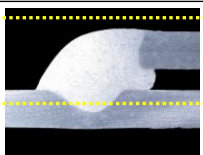
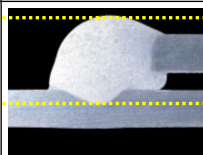
- Melt the base metal
- Cleaning action

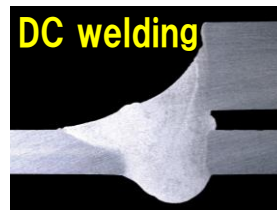
Bar ⊖



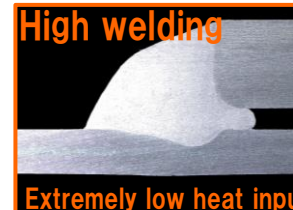
- Melt the wire
- Reduction of heat input to base materials



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



DC welding



High welding

Extremely low heat input

※D.C. welding is only for rod +

Lap welding of different plate-thicknesses

Difference plate-Thickness + 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

**Synchrofeed Evolution's high-quality welding
contributes to increasingly difficult automotive
welding Field**

DAIHEN