



Ideal for welding high-tensile materials and gigacast for EV!

High-quality, ultra-low spatter welding system

DC Aluminum Welding

Maximum current UP

Maximum
300A

- Push Arc doubles the maximum current
- Significantly improved welding speed and applicable plate thickness.

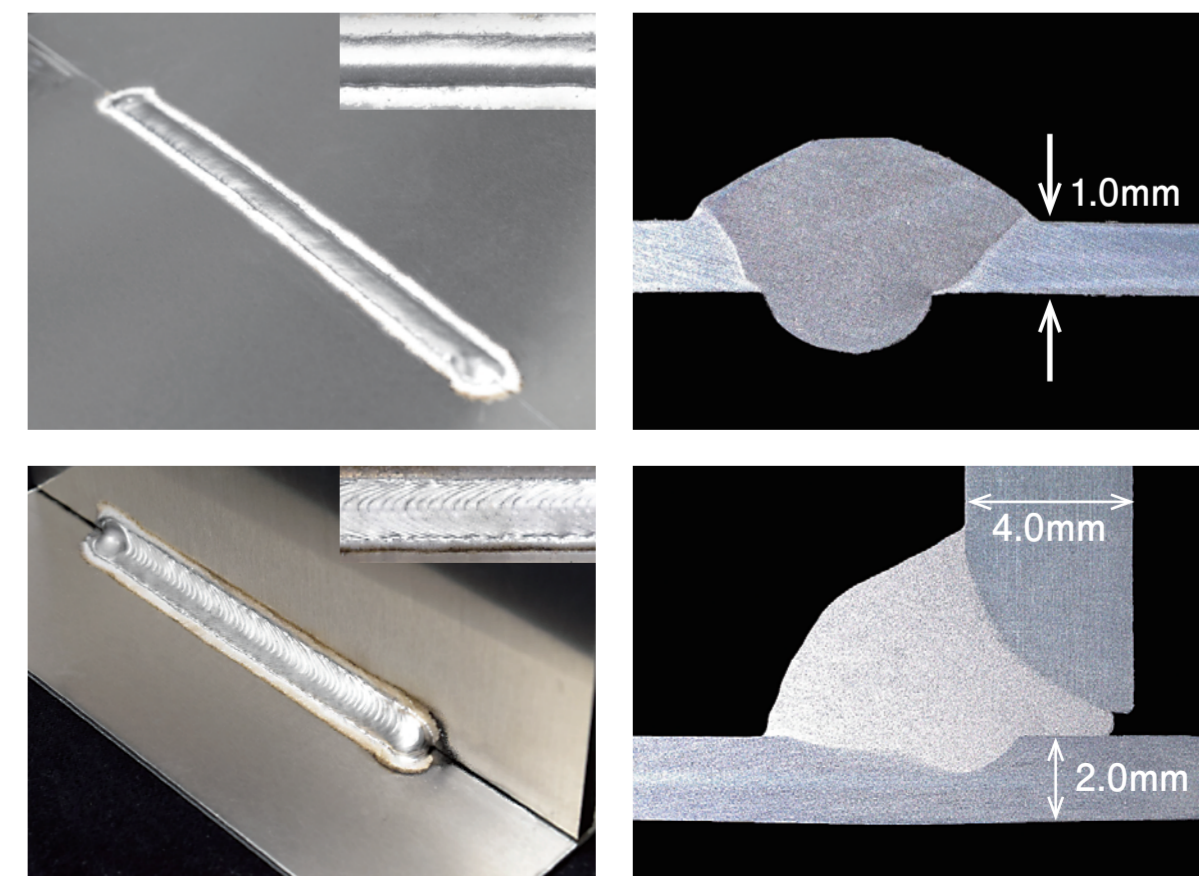
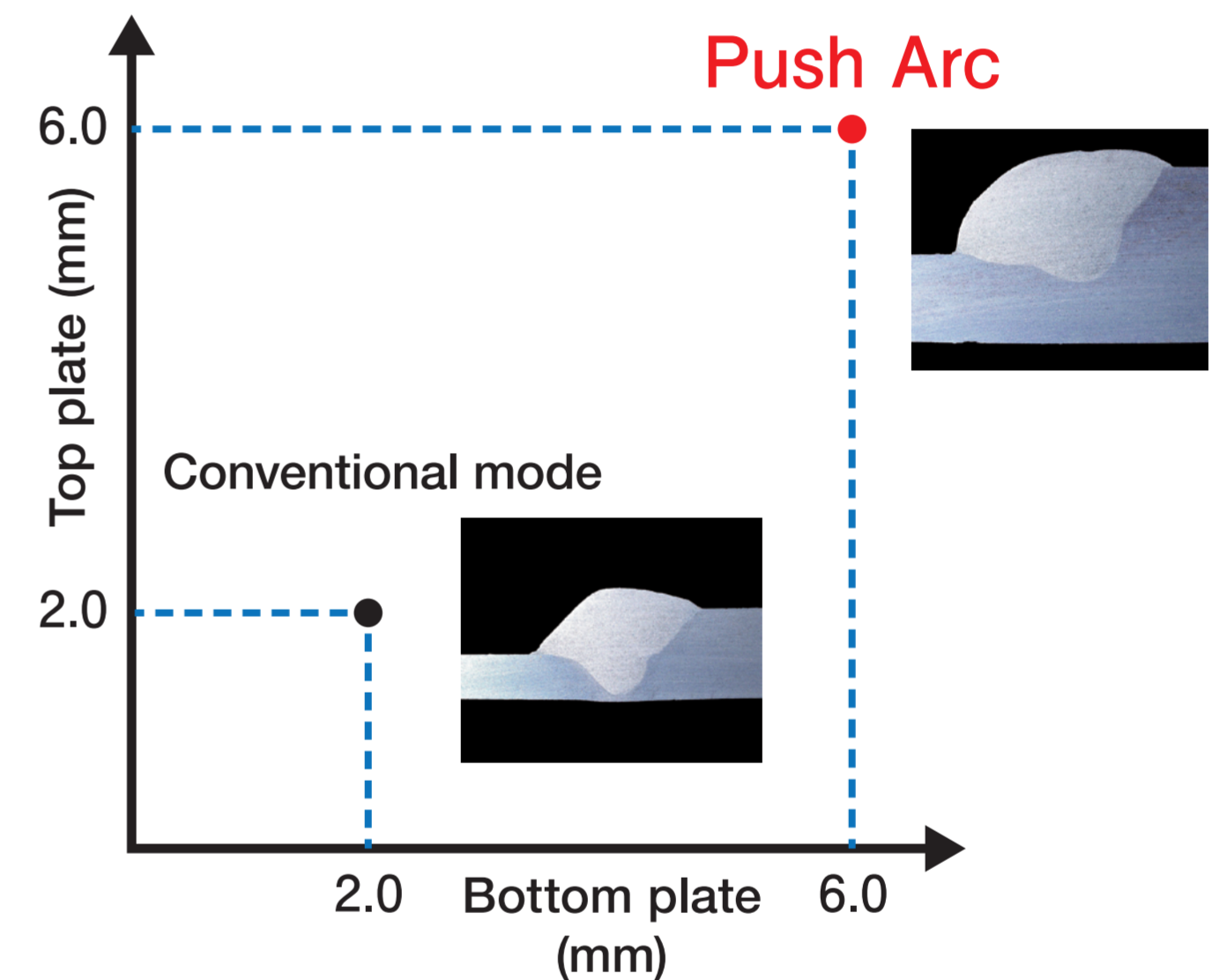
AC Aluminum Welding

Extremely low heat input

- Realizes welding of ultra-thin plates without melting down

High weldability expands gap margin

- Easy welding of different plate thicknesses and welds with gaps
- Expanded application range when combined with synchrofeed pulses



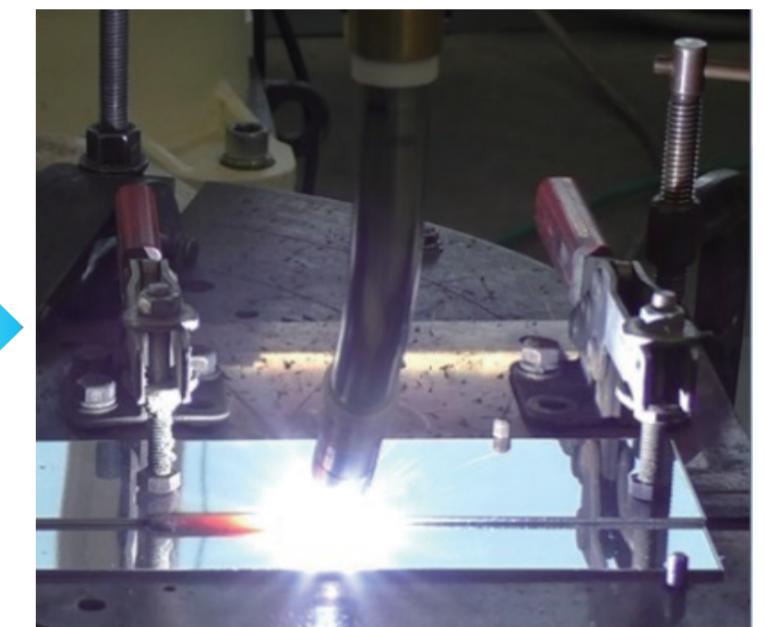
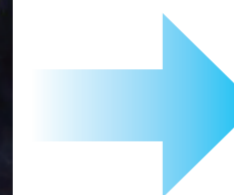
Synchrofeed-Evolution

Reduces spatter by up to 99

- High-speed synchronized control of wire feeding and current waveforms
- Elimination of spatter removal process by ultra-low spatter welding



conventional welding



synchro-feed

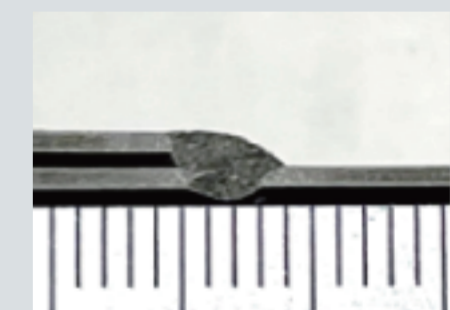
Push Arc Process

- Flat bead appearance improves gap margin
- Ultra-low spatter even when welding multiple units simultaneously

conventional

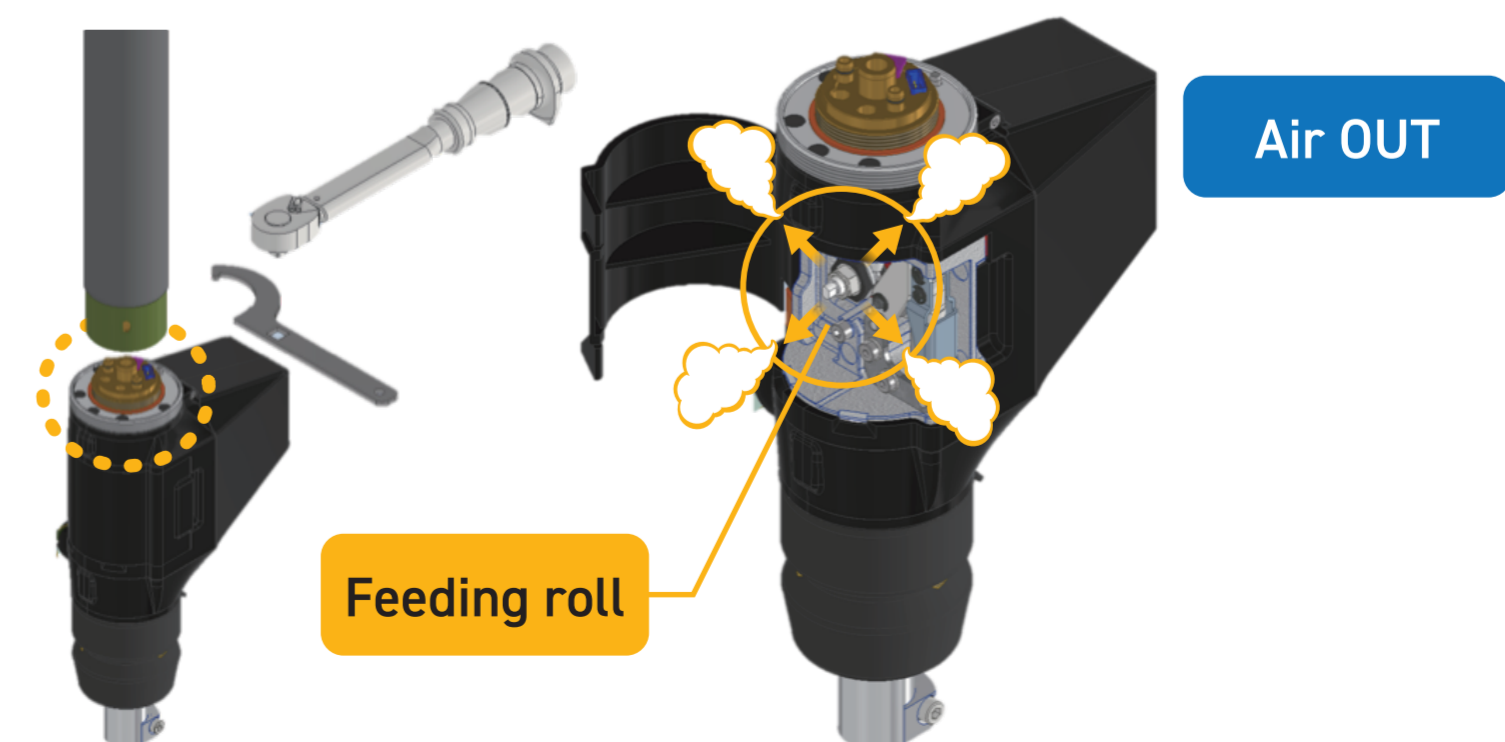


Push Arc



New Pull Feeder

- Simple and easy connection
- Improved maintenance with automatic cleaning function



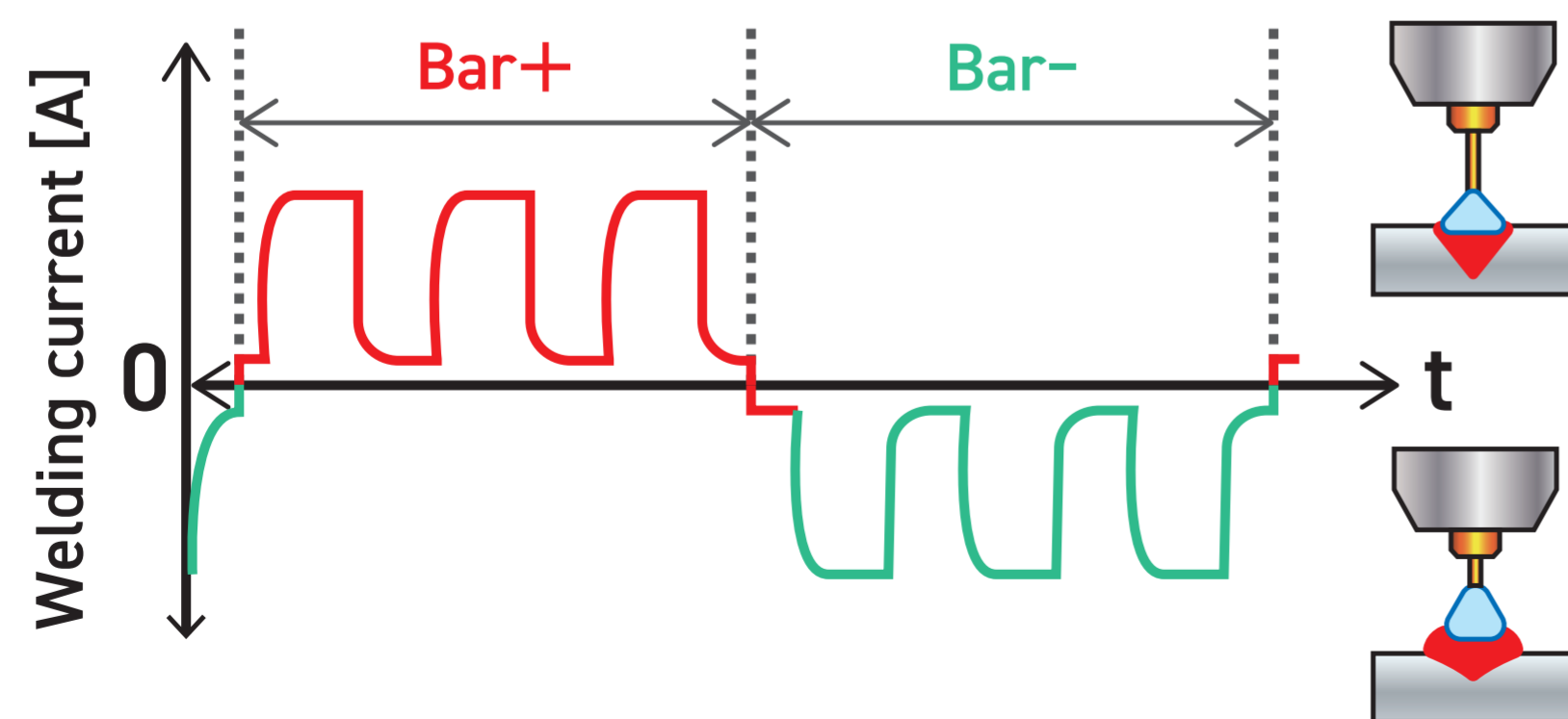
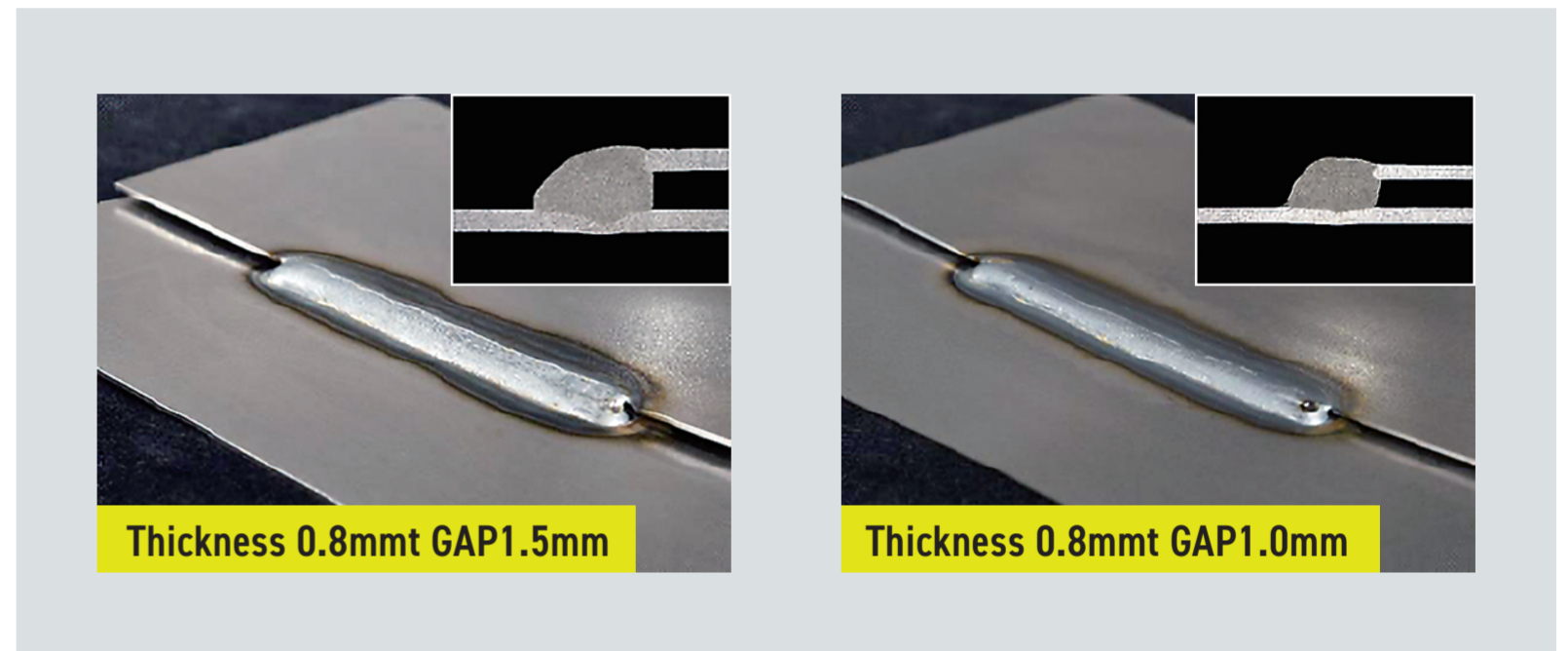
Cross-vertical synchronous feed welding method

Low heat input, high welding

- Capable of welding ultra-thin plates without melting down
- Easy welding even with gaps greater than the thickness of the plate

Fine-tuning of heat input and welding amount

- Fine-tune the duration of "bar+" and "bar-".
- Change the switching frequency to create the desired bead appearance.



| Bar- | 0% | 50% | 100% |
|--------------------|----|-----|------|
| cross-section view | | | |
| calorific value | La | | S |
| Deposition | La | | S |