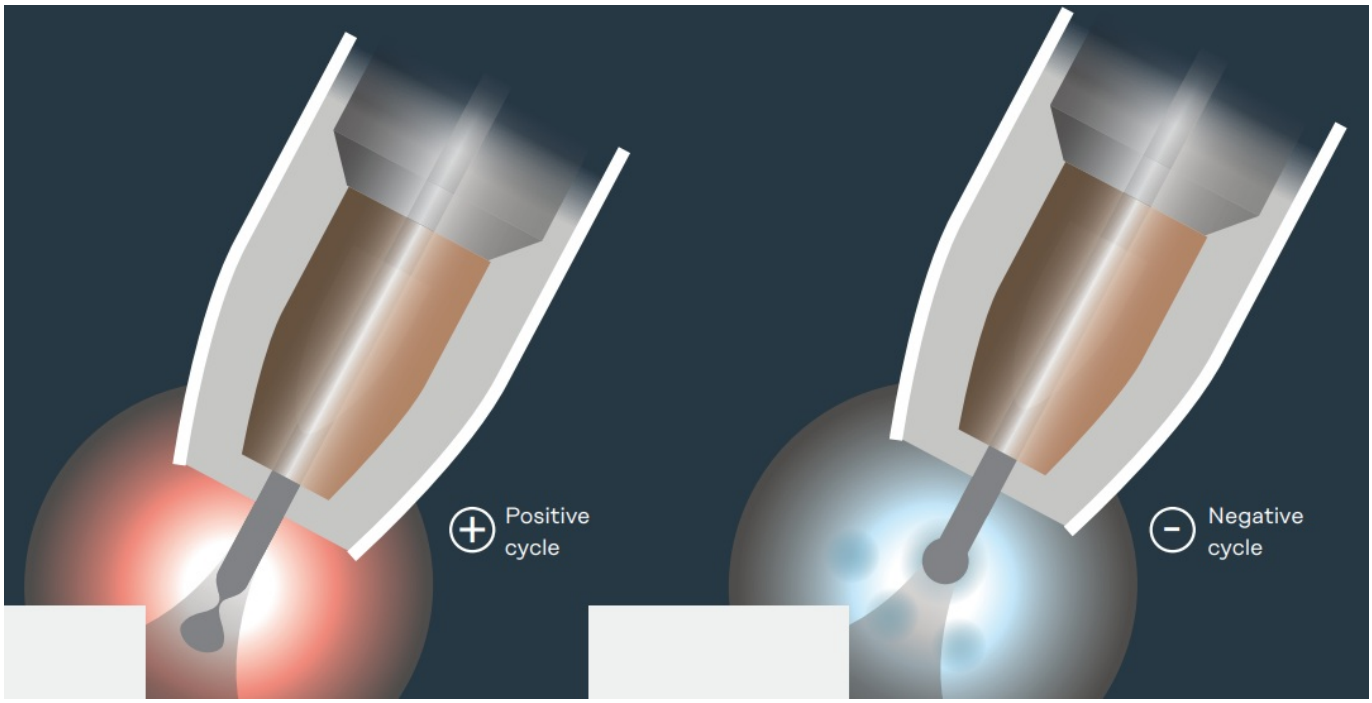
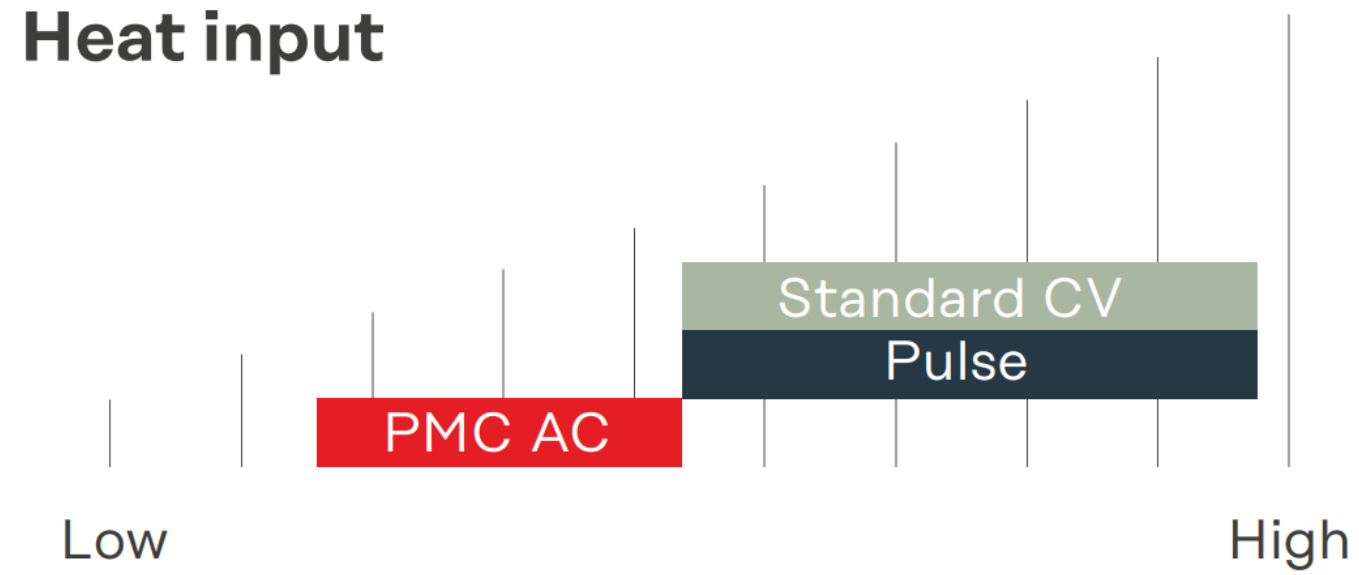
Fronius PMC AC Multiprocess Power Source Instructions

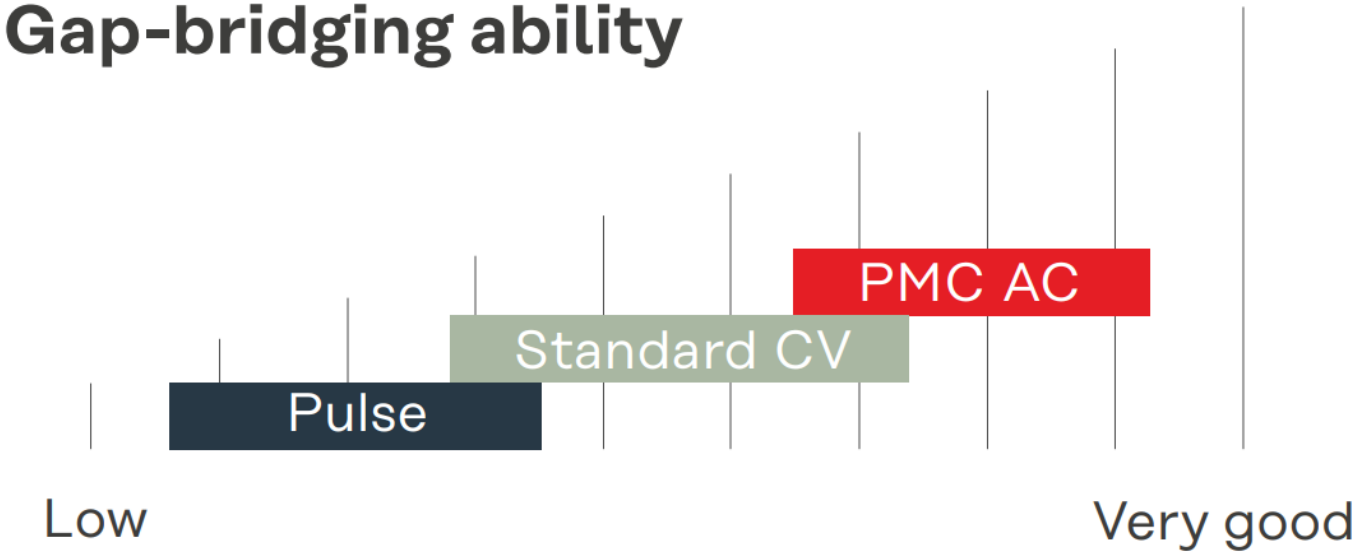
Fronius PMC AC Multiprocess Power Source

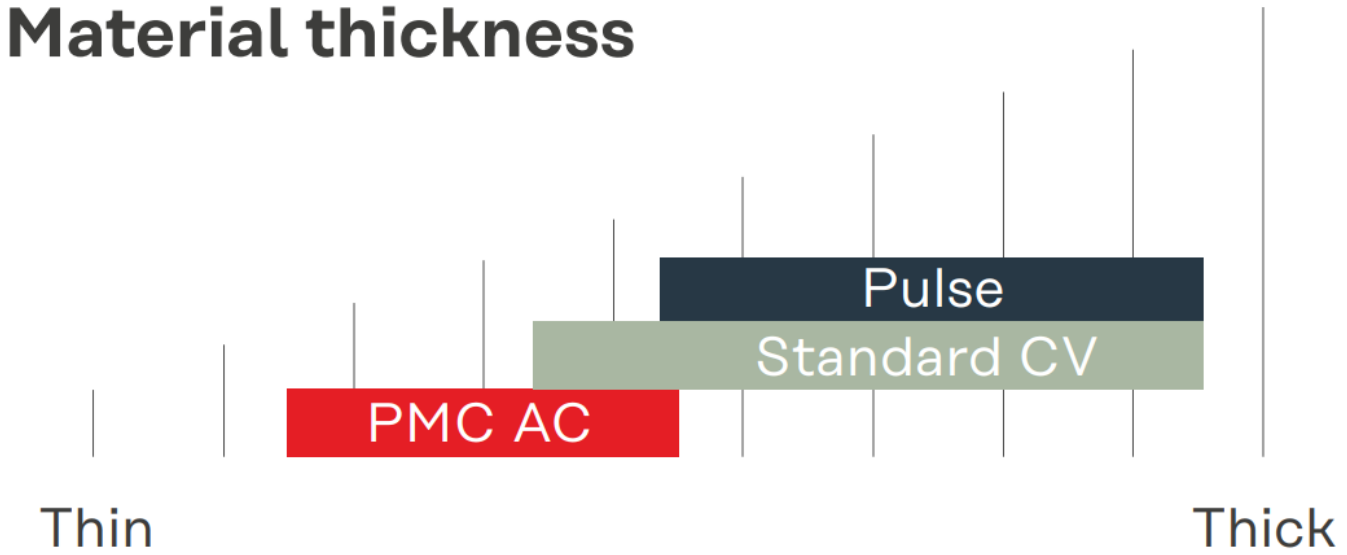
Contents

The Fronius solution for optimal gap-bridging ability









PMC AC is a MIG/MAG welding process in which the polarity of the wire electrode is reversed.

Optimal for welding thin and ultra-thin sheet metals the PMC AC process enables remarkably low heat input at a constant deposition rate. The special thing about this technology is that the positive & negative phase ratio can be

easily adjusted with the help of correction parameters. The result is precise control over the heat input.

PMC AC is available on the iWave AC/DC with Multiprocess Pro.

Overview and features

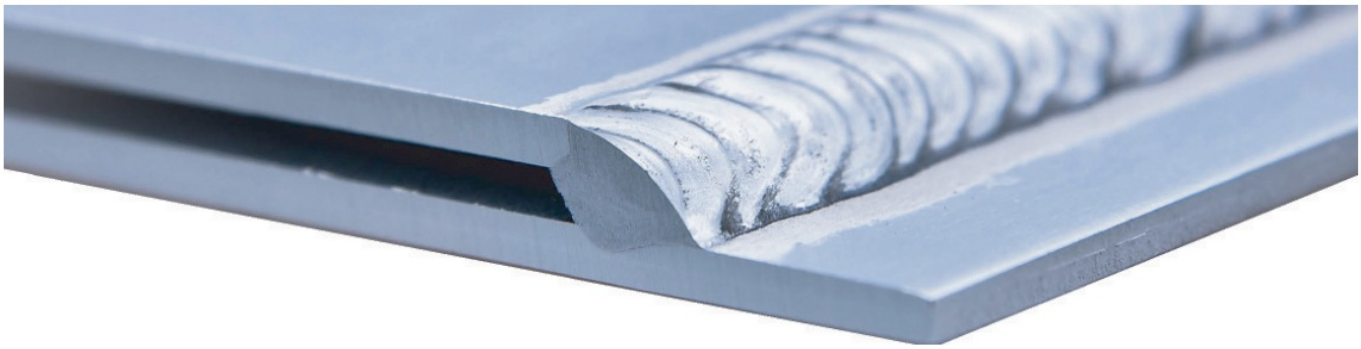
Application

- Thin and ultra-thin sheet metals
- Specially developed for manually welding extremely thin aluminum or CrNi-steel

Advantages

- Low heat input
- Excellent gap-bridging ability
- Easy arc handling for manual and automated welding
- Gleaming welds due to reduced magnesium oxides (for AlMg wires)
- Lower welding fume emissions

Excellent gap-bridging ability, base material: AlMg3; Filler metal: AlSi5; Sheet thickness: 2 mm; Air gap: 2 mm

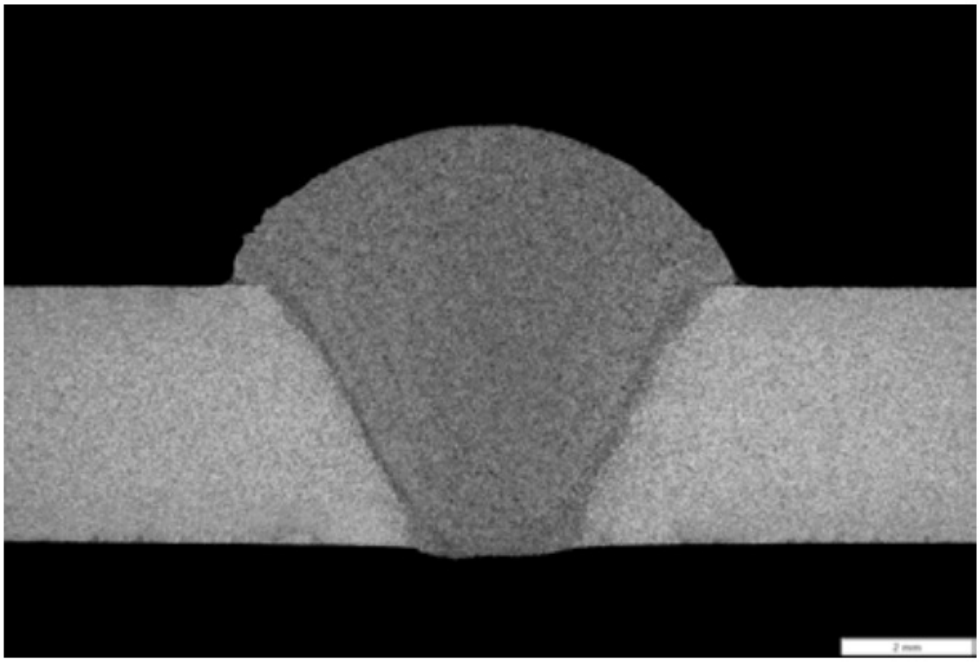


Precise adaptation of the heat input to your requirements

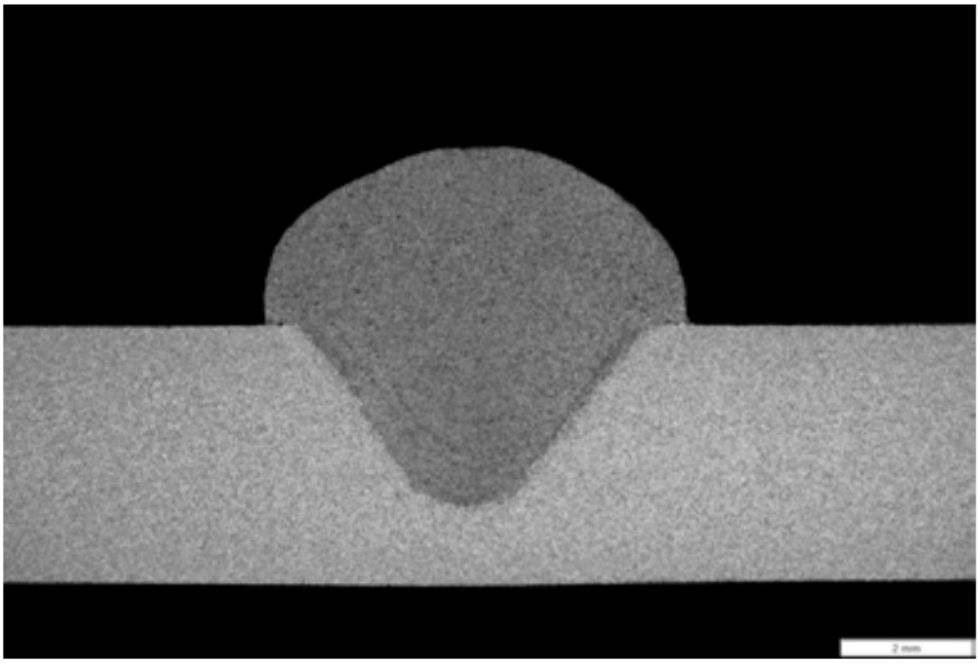
AC Power Balance

This correction allows the heat input to be adapted exactly to each specific application.*

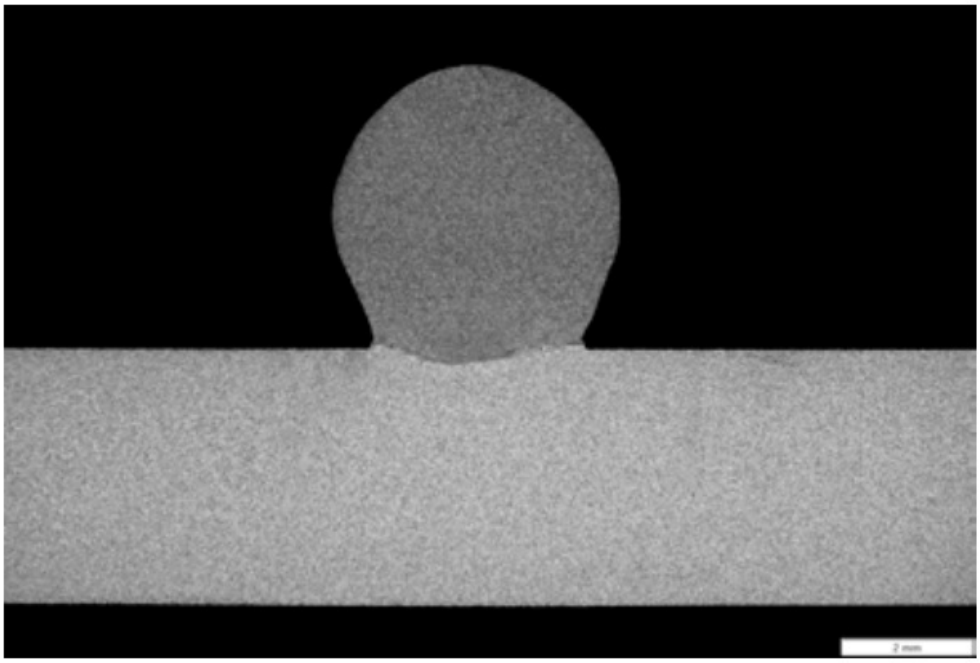
+10 An increase in the correction leads to a bigger positive phase ratio and thus a higher heat input.



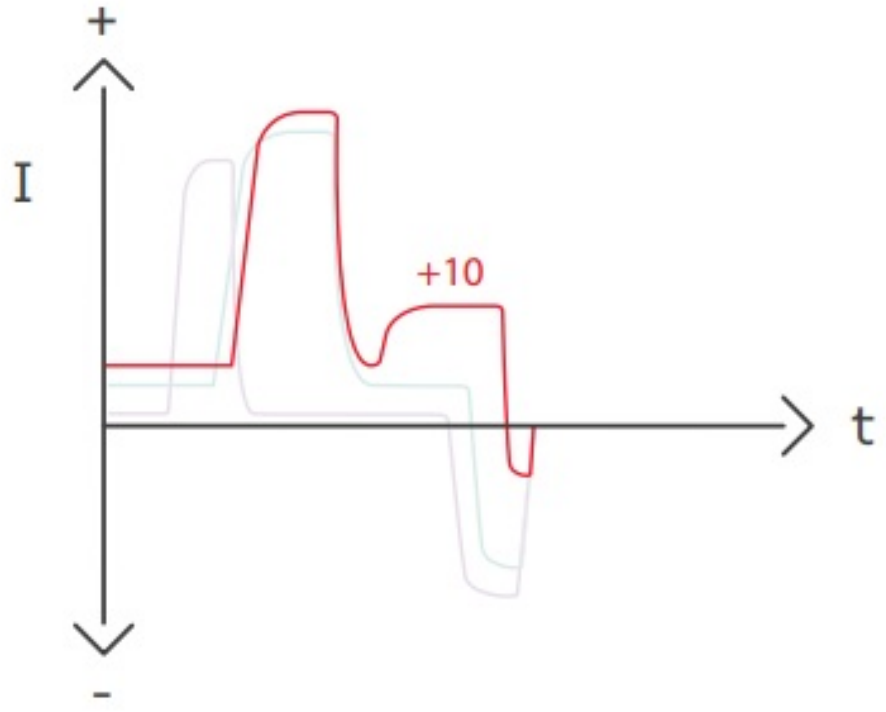
0 Default setting

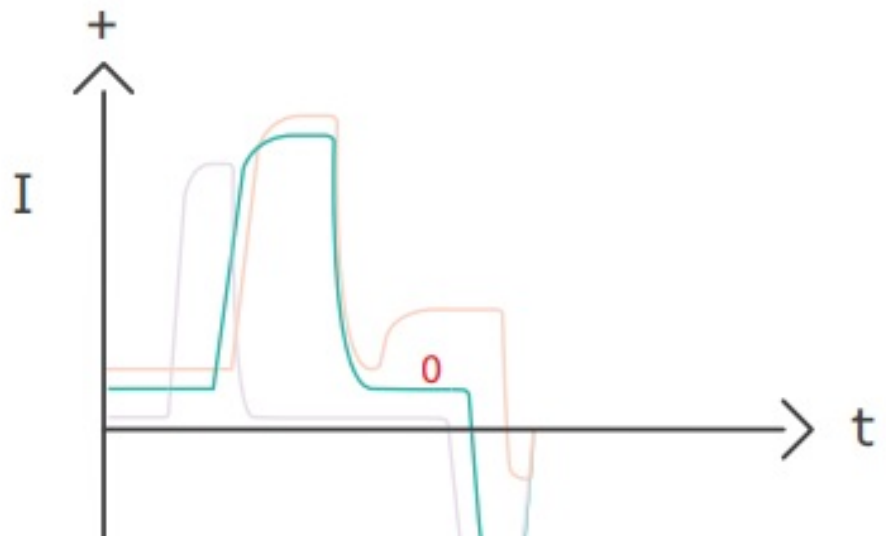


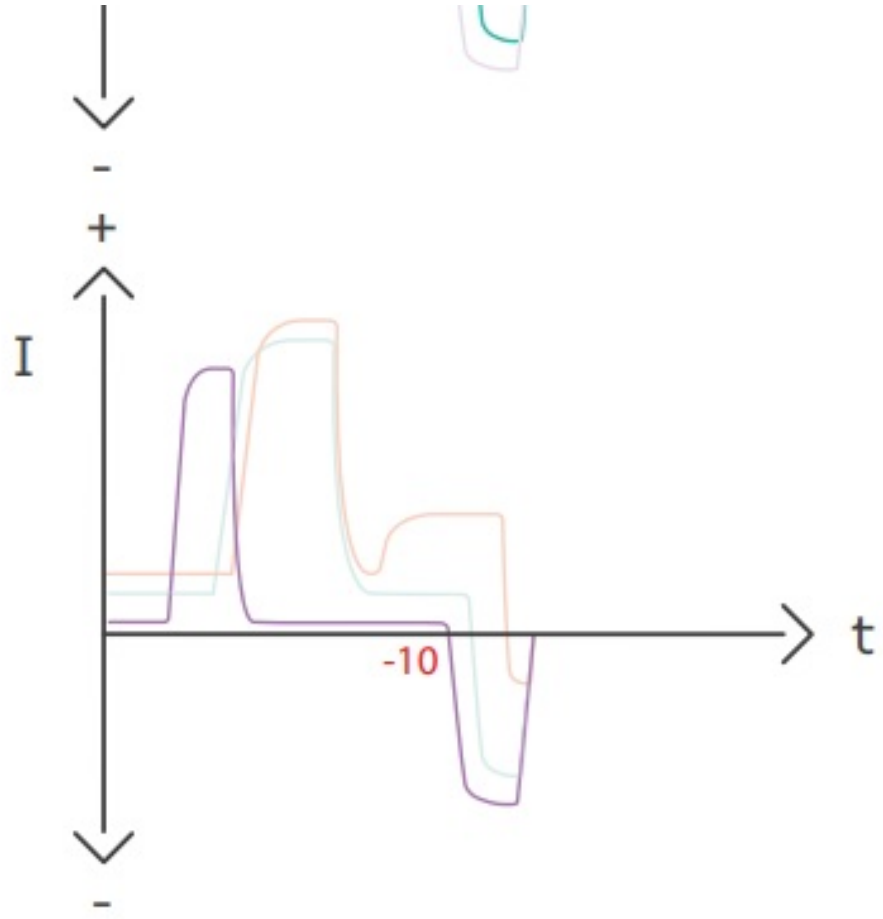
-10 A reduction in the correction leads to a bigger negative phase ratio and thus a lower heat input.



* All welds at the same operating point and thus the same deposition rate.

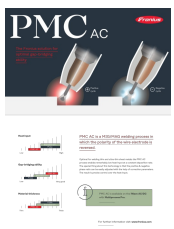






For further information visit: www.fronius.com

Documents / Resources

	Fronius PMC AC Multiprocess Power Source [pdf] Instructions PMC AC Multiprocess Power Source, PMC AC, Multiprocess Power Source, Power Source, Source

References

- Fronius International