MAX Cool

ELIMINATES EXCESSIVE TEMPERATURE INPUT,
MAINTAINING WELD POOL CONTROL

10.05.2024

KEMPPI

Designed for welders

ELIMINATES EXCESSIVE TEMPERATURE INPUT, MAINTAINING WELD POOL CONTROL

MAX Cool welding process improves control in welding applications, where excessive temperatures negatively impact weld pool stability and increase joint distortion. It lowers heat input by up to 32% compared to the traditional pulse or short arc process.

MAX Cool is ideal for several applications, including thin sheet fabrication, root welding, gap bridging, and joining thin extruded sections in solid Fe, Ss, CuAl8, and CuSi3 filler materials. MAX Cool welding process tolerates bigger air gaps. In addition, there is no need for backing in butt joints. The welding process provides excellent weld pool control with a thin sheet and root pass welding.

MAX Cool operates in a short arc area, providing accurate current control during a short circuit. After a short circuit, the forming pulse produces appropriate heat to the weld pool.

KEY BENEFITS

REDUCED HEAT INPUT

MAX Cool reduces heat input up to 32% compared to traditional pulse or short arc process.

SAVINGS IN WELDING TIME

With MAX Cool, you can save in welding time due the excellent weld pool control. It also erases the need for backing in butt joints.

ONE PROCESS, SEVERAL WELDING APPLICATIONS

MAX Cool provides excellent solution in several welding applications, including thin sheet fabrication, root welding, gap bridging, and joining thin extruded sections in solid Fe, Ss, CuAl8, and CuSi3 filler materials.

BENEFITS

- Up to 32% reduced heat input compared to traditional pulse or short arc process
- Tolerates bigger air gaps
- No need for backing in butt joints
- Excellent weld pool control with a thin sheet and root pass welding
- For steel, stainless steel, and MIG brazing applications
- For thin sheet and root pass welding
- Optimal for 1-3mm thin sheet, also root pass for thicker plates

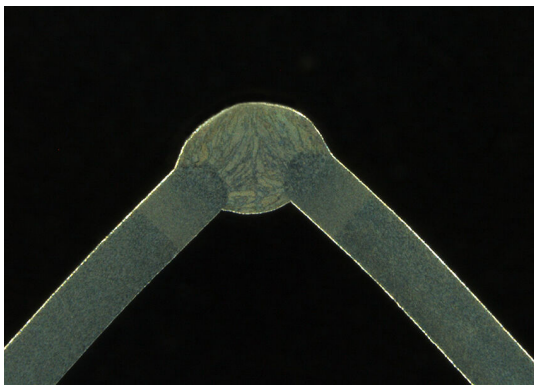
PRODUCT OPTIONS

MAX COOL

MAX Cool

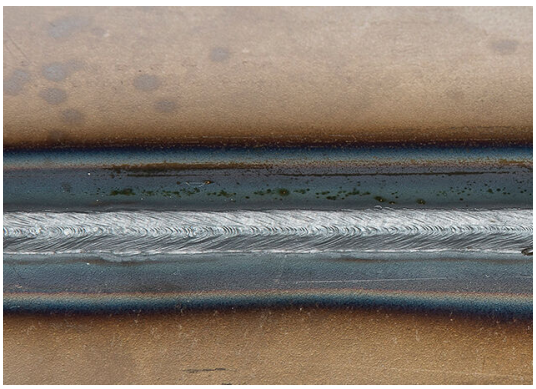
A welding process that lowers heat input compared to traditional pulse or short arc process, improving weld pool stability and control. MAX Cool is ideal for thin sheet metal fabrication, root welding, gap bridging, and joining thin extruded sections.

FEATURES



Overcome challenges in thin sheet welding

Low heat input and excellent weld pool control allow big air gaps in welded pieces.



Excellent weld pool control

MAX Cool is an ideal welding process for thin sheet metal welding, root welding, and brazing. During welding, there is no collapsing of the weld pool at any point. As a result, both sides of the welds are spatter-free.

WWW.KEMPPI.COM

Kemppi is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

KEMPPI