



i+ weld

by **PANDROL**

i+weld

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For over a century, Pandrol has been a leader in the railway industry, setting the standard for safety, quality, and innovation. Always at the forefront of innovation, we aim to continuously improve the lives of our customers by meeting one of the industry's greatest challenges: ensuring a safe and reliable rail network.

Our customers work under some of the most challenging conditions, often at night, with the responsibility of maintaining faultless infrastructure that safely transports millions of passengers every day.

As the demand increases for higher-quality welds, better ergonomics for welders, and

more user-friendly railway equipment grows, there is also an increasing need to reduce environmental impact.

To address these needs, Pandrol has developed a global solution for a revolutionary aluminothermic welding solution: i+weld. Based on automation and data. i+weld represents the future of rail welding, offering enhanced control and improved traceability of the welding process while maintaining the flexibility that rail networks demand.

Discover how i+weld can transform your rail operations with superior quality, safety, and efficiency.



versatile process +



high performance +



time saving +



increased safety +



welder friendly +



weld conformity +

i+align*

Accurate automated alignment of the rails



i+seal

Self-sealing mould without the need for luting paste



i+heat

Automated and consistent preheating



i+ignite

Easily ignite the weld charge to initiate the process of the weld



i+cool*

Accelerated and controlled cooling



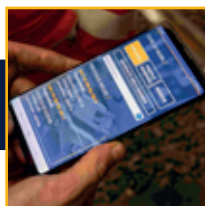
i+detect

Detection and monitoring of defects



i+connect

Capture live data, save time and improve the traceability of welds



YESTERDAY.
TODAY.
TOMORROW.

* Available in 2025

YESTERDAY.
TODAY.
TOMORROW.

Partners in excellence

Contact your local team to discuss your requirements
pandrol.com/contact

