

ENRX

Weldac<sup>®</sup>

OUR SYSTEM FAMILY FOR TUBE AND PIPE APPLICATIONS





# High-output solid-state welders.

Weldac is our family of proven high-output solid-state welders for welding low-carbon steel, stainless steel, high-strength steel and aluminium. The Weldac family covers a wide range of power sizes from 50 kW up to 2,200 kW and a frequency range of 60-500 kHz with either Silicon Carbide or Insulated Gate Bipolar Transistor.

- Small footprint and very fast installation
- Continuous electronic load matching
- Efficiency factor of 85-95%





#### WHERE TO USE

**Applications:**

Welding

**Industry:**

Tube and pipe

#### Complete range

Weldac is a complete offering with a diode rectifier, inverter modules, output section, busbar and operator control system. You can also access a full range of consumables including coils, ferrite, impeters and tube scarfing equipment. We also supply seam normalising solutions.

#### Modular design

Modular design saves valuable floor space and simplifies in-line integration and retrofitting. ENRX has always been at the forefront of developing equipment with the best power-to-volume ratio. We offer up to 1,100 kW in a one-cabinet solution.

#### Unmatched uptime

Continuous electronic load matching secures full power output across a wide range of tube sizes, ensuring maximum welding speed for each size. No operator action is needed. Simply change the coil size.

Discover all the  
details of Weldac





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# Easy to operate

Weldac has a minimum of manual settings. Operation is via an easy-to-use control panel. Minimal operator intervention results in fewer operator errors and, consequently, increased throughput and efficiency.

## More uptime

Short-circuit-proof, safe and reliable operation.

## Eco and energy friendly

High efficiency saves energy and reduces cooling water consumption.

## Quick coil changes

Coil changes take only seconds, with the frequency adjusting automatically to each tube dimension.

## Ready for Industry 4.0

With a minimum of manual settings, Weldac is extremely easy to operate via an easy-to-use control panel.

## Unrivalled efficiency

Diode rectifier with a constant power factor of 0.95 at all power levels and an efficiency factor of up to 95% from Weldac input to coil terminal. The high efficiency also results in low cooling water consumption.

## Unmatched warranty

Five-year warranty on Weldac inverter modules and driver cards.





# Maximal output. Minimal footprint.

Weldac high-output solid-state welders take up a minimum of space while yielding a lot of power. This makes Weldac nothing but a revolution in tube and pipe welding.

## Extremely powerful

Weldac has an output power of up to 2,200 kW and 500 kHz. Silicon Carbide or Insulated Gate Bipolar Transistor inverter technology results in an impressive efficiency factor of up to 95% from the mains to the welding coil, saving energy and reducing cooling water consumption. The short-circuit-proof design ensures safe and reliable operation.

## Little need for space

Compact dimensions are another strength of Weldac. The convenient sizes save valuable floor space and simplify installation or retrofit into a production line.





# A family for every need

Weldac is one of six product families within ENRX induction heating solutions. Together, these product families let you perform virtually any industrial heating task. In the unlikely event they don't meet your specific needs, we can sit down with you and devise your own customised induction heating solution.

ENRX also develops, commercialises, and supplies mechanical handling equipment, coils and software control systems. We also offer a worldwide service program. To learn more about ENRX – and how we can help your business – please contact your nearest ENRX office.

<b>Sinac®</b>	Universal heat generators
<b>Weldac®</b>	High-output solid-state welders
<b>Minac®</b>	Mobile heat generators
<b>Ventac®</b>	Portable air-cooled induction heating system
<b>HeatLine®</b>	Industrial heat processing systems
<b>HardLine®</b>	Industrial heat treatment systems



More about our products, applications  
and the industries we serve.

## Get in touch

[info@enrx.com](mailto:info@enrx.com)





# About ENRX

ENRX is a global green tech company driven by induction. We offer induction heating, wireless inductive charging and contactless power supply with low or no carbon footprint for virtually any application within mobility and manufacturing.

THE RIGHT ENERGY CAN TAKE YOU ANYWHERE • [ENRX.COM](https://enrx.com)

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