



Weldac®

High-output solid-state welders



*The first welder in the world
with 1000 kW in a single
cabinet solution.*

*EFD Induction has always
been at the forefront in
developing equipment with the
best power-to-volume ratio.*

The world's best induction welders?

Complete range

Weldac is EFD Induction's family of high-output, solid-state tube and pipe welders. The Weldac family covers a wide range of power sizes; from 50 kW up to 2200 kW. and a frequency range of 60-500 kHz.

Weldac is a complete system consisting of a diode rectifier, inverter modules, output section, busbar and operator control system.

EFD Induction has the most comprehensive range of solutions for the tube and pipe industry. We offer a full range of consumables including coils, ferrite, impeders and tube scarfing equipment. We also supply seam normalizing solutions.

Small footprint

Modular design makes Weldac compact, saving valuable floor space and simplifying in-line integration and retrofitting. EFD Induction has always been at the forefront in developing equipment with the best power-to-volume ratio. Now we can for the first time offer up to 1000 kW in a one-cabinet solution.

Easy to operate

The Weldac is extremely easy to operate, with 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. Coil changes take only seconds, with the frequency adjusting automatically to each tube dimension.



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



Double cabinet welder

The Weldac family covers a wide range of power sizes: From 50 kW up to 2200 kW.



Weldac's high efficiency saves energy.



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

More 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.

Wide range of options

Weldac offers with a wide range of available options:

- One- or three-axes positioning tables
- Cooling water heat exchanger
- Input auto transformer
- Welding Monitoring System
- Temperature monitoring / control systems
- Contact welding head
- Tacho generator
- Impeders and coils

Eco-friendly

Weldac's efficiency from input at the rectifier to output at the coil is 85-87%. Cooling water consumption is low, with no need for expensive de-ionized water. Weldac eliminates the need for costly reactive power compensation capacitors by using diode rectifiers that result in a high, constant power factor (0.95) at all power levels.

Global reach, local presence

The Weldac is supported by a global network of EFD Induction factories, workshops and offices. Wherever you are, after-sales service and support is never far away. You can also benefit from our ongoing program of operator training courses and component upgrades.

Our value proposition

We promise you:

- More uptime
- More output
- Lower costs

- Based on the latest solid-state technology
- Short-circuit-proof, safe and reliable operation
- Wide electronic automatic matching range and automatic frequency adaption
- Small footprint, fast installation, easy to retrofit
- Low cooling water consumption due to high efficiency
- Dual welders, both induction and contact welder in one unit
- Modular inverter design
- On-site power upgrade is available
- Frequency range selection is available
- Diode rectifier gives high-power factor at all power levels
- 5 year warranty on inverter modules and driver cards
- 12-pulse rectifier for even lower harmonic distortion on mains supply above 300 kW

Learn more about EFD Induction and our solutions that are boosting productivity for companies around the world. Visit: www.efd-induction.com

www.efd-induction.com



PUTTING THE SMARTER
HEAT TO SMARTER USE