SERIES HU

HU 2*i*

CONVERTERS FOR INDUCTION HEATING PROCESSES

High-frequency converters
2 kW / 0,25 - 1,0 MHz

HIMMELWERK
Leading Induction

INDUCTION
AT A GLANCE

Induction is economic

Due to its high efficiency, induction delights with lower energy costs

Induction is high-quality

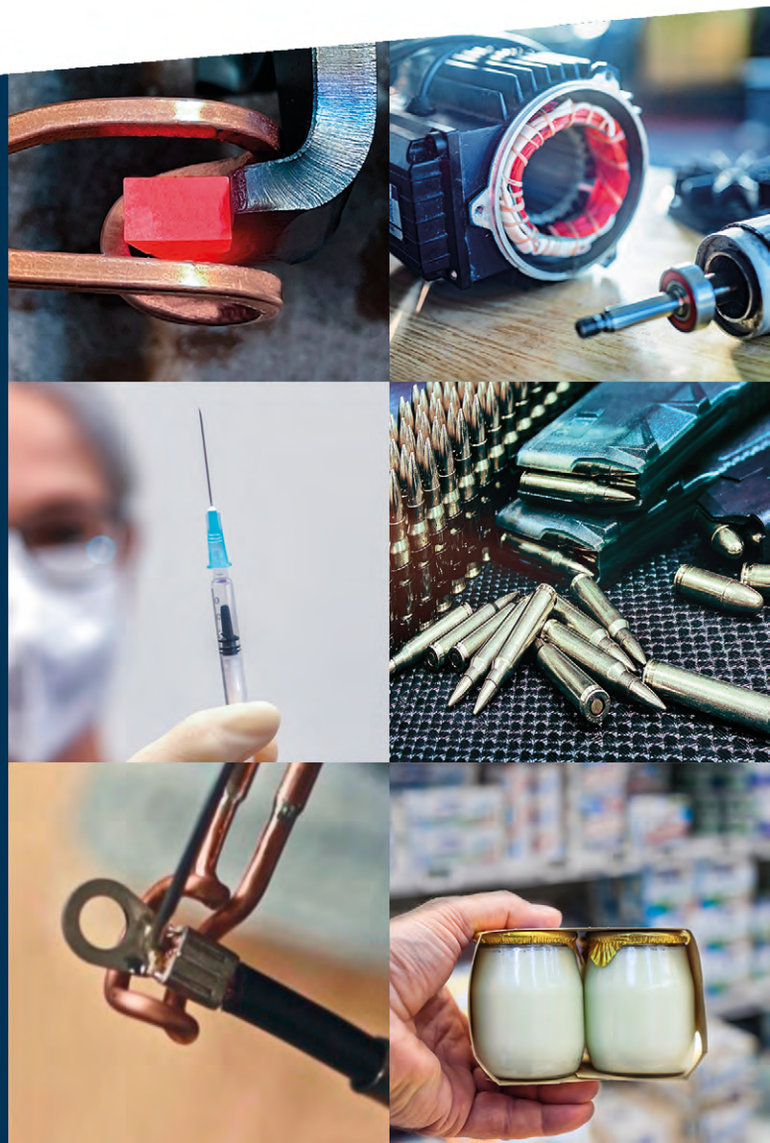
Perfect reproducability and smart controls lead to lower defect rates

Induction is climate friendly

Lower energy consumption, higher yields and the option to use green electricity assure a considerably smaller carbon footprint

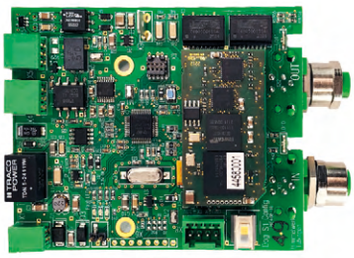
APPLICATIONS OF INDUCTION

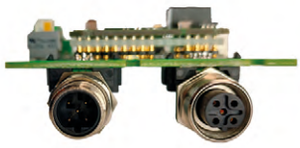
- Heat treatment (hardening, annealing, tempering)
- Brazing and soldering
- Joining (shrinking)
- Forming and forging
- Surface treatment (drying, preheating)
- Indirect heating
- Melting
- Sealing
- Special solutions (glueing, plasma generation, crystal growing, nano particles, materials measuring etc.)
- And many more!

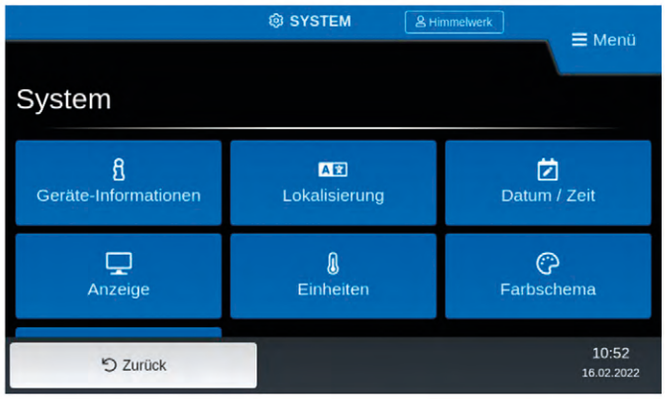


The HU 2i is our cornerstone of small induction. With its 2 kW of true output power and a solid base configuration, it is the most affordable unit in our line-up. For many processes with small parts, an overall low mass to be heated, or processes that aren't time critical, the HU 2i is ideal and reliably delivers outstanding results – even at 100% duty cycle.

For the special demands Industry 4.0 places on device connectivity today, we have developed options for a variety of modern interfaces, so the HU 2i can, when needed, be seamlessly integrated into your production control.

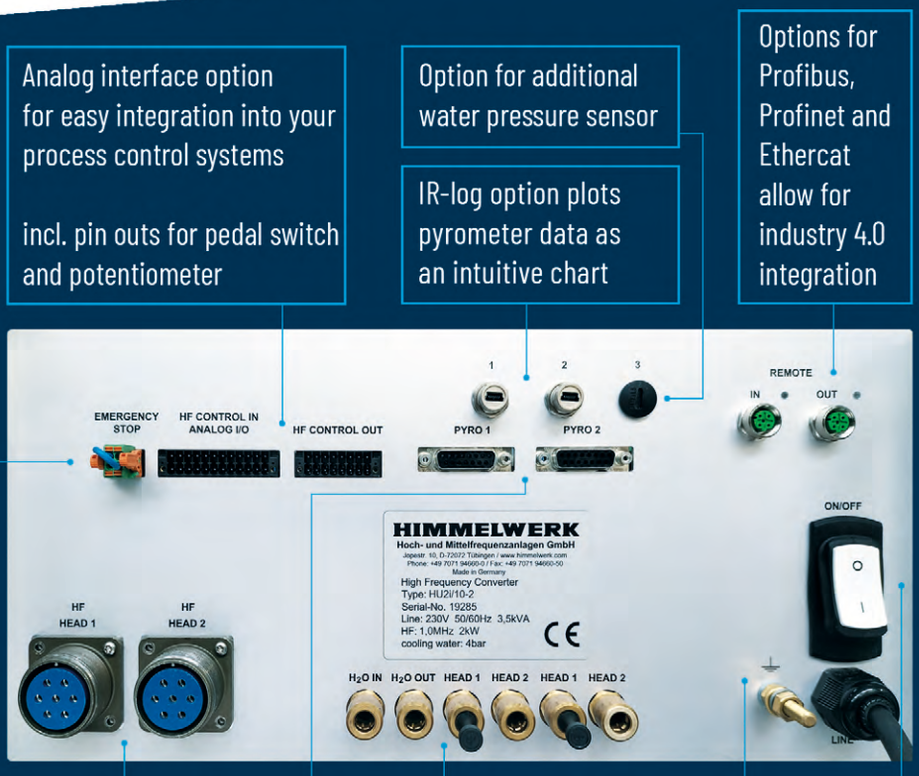






The operating interface has been completely overhauled for the HU 2i and now offers a modern 7" touch display, user management with customizable user profiles, many language options and adjustable brightness including a dark mode, while at the same time maintaining glove compatibility via the redundantly functioning ClickWheel.

RELIABLE. HU 2i



Analog interface option for easy integration into your process control systems

incl. pin outs for pedal switch and potentiometer

Option for additional water pressure sensor

IR-log option plots pyrometer data as an intuitive chart

Options for Profibus, Profinet and Ethercat allow for industry 4.0 integration

Supports two outer circuits

Digital pyrometer control

Direct electrical grounding connector

Hard wired ON/OFF guarantees 0 watts offline power usage

Emergency stop connection option

Smart cooling loop with integrated temperature- and water pressure sensors

WHY HU 2*i*?

High Frequency
Solid base configuration
Many optional features

Based on modern transistor technology, the HU 2i can be operated at working frequencies up to 1.0 MHz, making it ideal for a wide range of delicate tasks. The HU 2i is used, among other things, in soldering, coating, drying, or sealing processes. For example, it can be used during film coating, for soldering eyeglass frames, or during the heat treating of screw threads.

In its base configuration, the HU 2i comes with integrated pyrometer detection, stepless control of output power, and – thanks to its IP31 rating – it is sufficiently protected against the most common risks from dust and moisture in your production facilities.

With options for autonomous program operation and for a self-optimizing temperature controller, it is ready for the complex manufacturing landscapes of our time.

The HU 2i is also available in system integrator and line building variants.

TECHNICAL DATA

HU 2*i*

OUTPUT	
HF-Power	2,0 kW
Frequency range 1	0,25 - 0,55 MHz
Frequency range 2	0,5 - 1,0 MHz
COOLING WATER	
Flow rate	2 - 3 l/min
Input pressure	4 - 6 bar
Pressure difference	> 3,5 bar
Temperature	18 - 30 °C

INPUT	
3,5 kVA	Mains Power
230 V +/- 10% + PE	Mains Voltage
50 / 60 Hz	Frequency
WEIGHT	
17,0 kg	Converter
2,8 kg	Outer circuit
DIMENSIONS (W x H x D) in mm*	
380 x 180 x 370	Converter
62 x 95 x 130	Outer circuit

*Case dimensions without handles and connectors

Converter

Outer circuit

ANY QUESTIONS REGARDING THIS PRODUCT?
FEEL FREE TO CONTACT US. WE ARE HAPPY TO HELP.

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