

INDUCTION

INDUCTION HEATING SYSTEMS

For more than 30 years CEIA has been working on the design and manufacture of no-contact Induction Heating Devices for metal treatment. High and medium-frequency generators, control units, optical sensors for measuring temperature and automatic solder-alloy wire supply devices make up the line of products known as the Power Cube Family, which are ideal for industrial processes of heat treatment and braze welding.

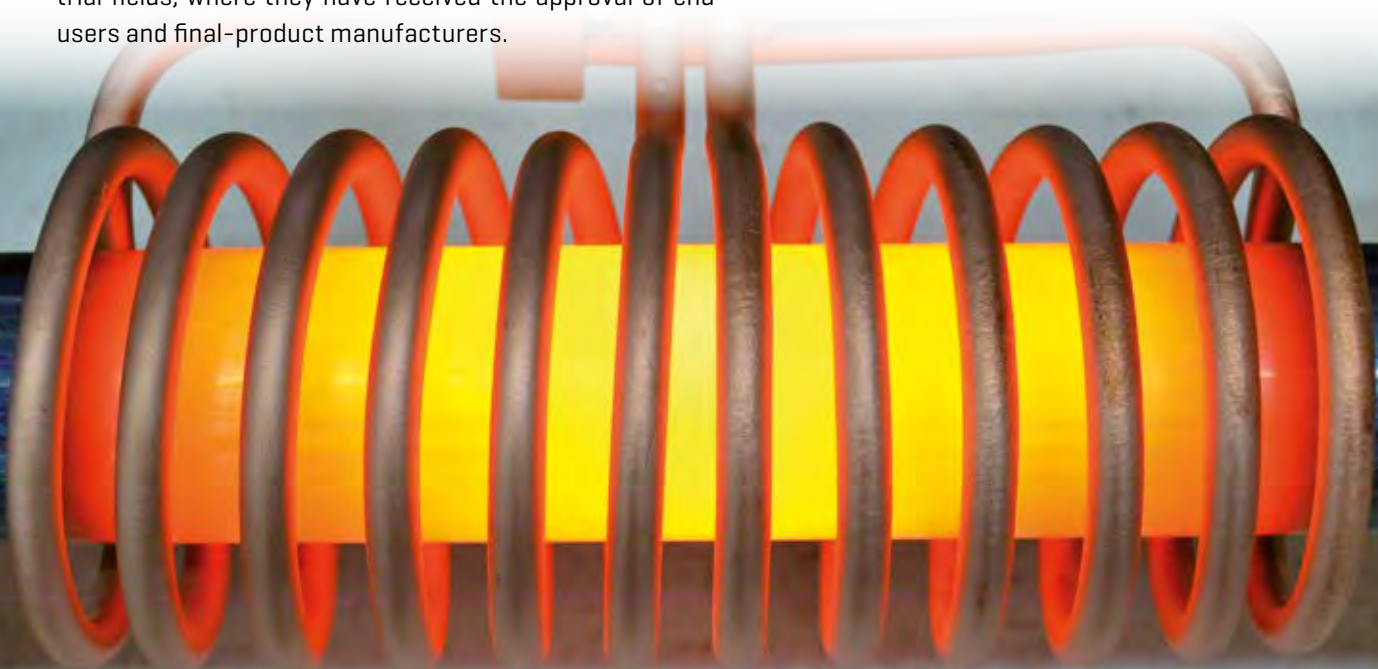
CEIA's unique technological solutions allow the manufacturing of power equipment with compact size, extremely high-energy efficiency and long-term reliability.

The high performance they offer contributes to the widespread use of CEIA systems in the most important industrial fields, where they have received the approval of end users and final-product manufacturers.



POWER CUBE 45/900

High Frequency Generator, 900 HI-PE series.



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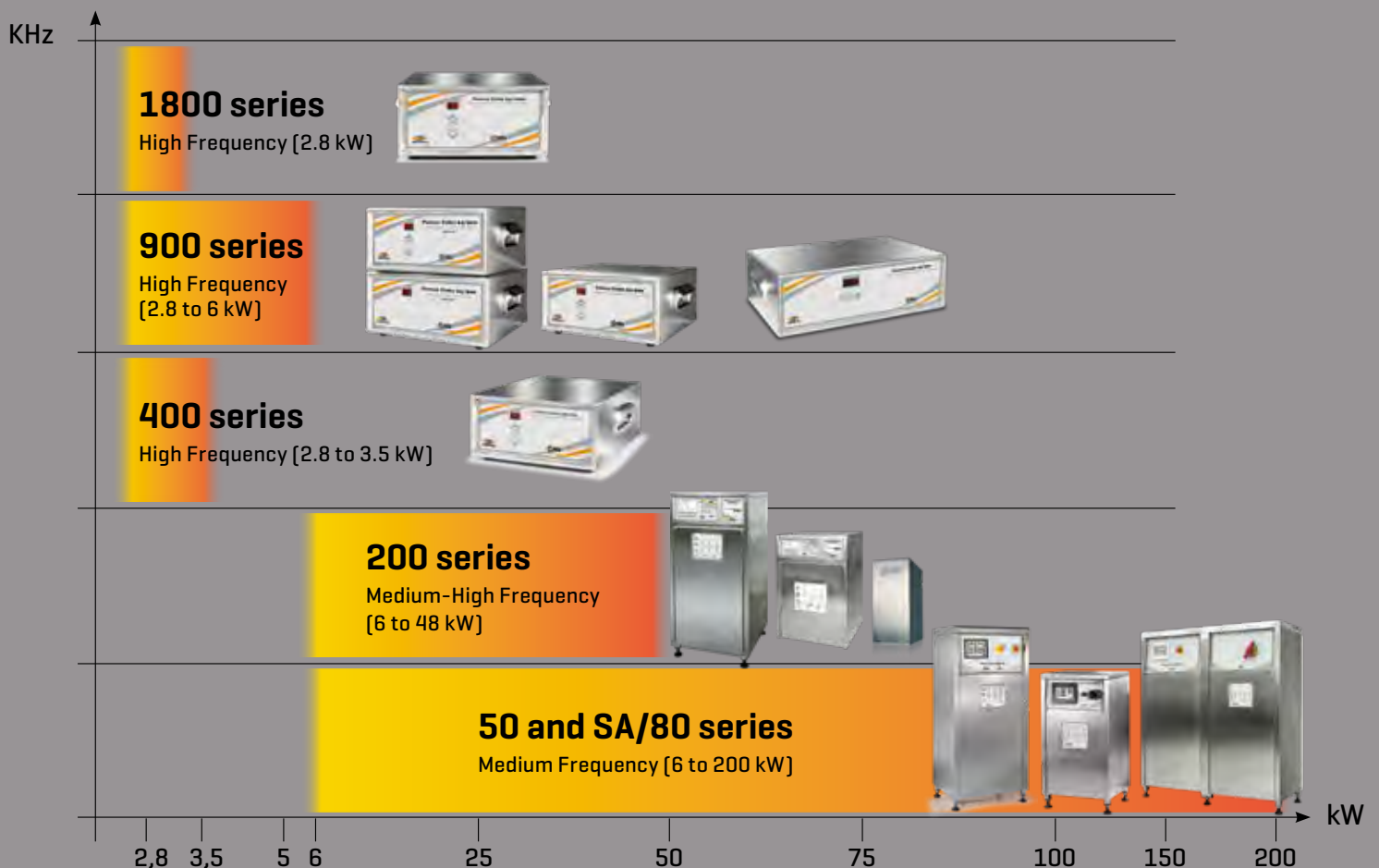
GENERATORS

THE CEIA SYSTEM'S ADVANTAGES

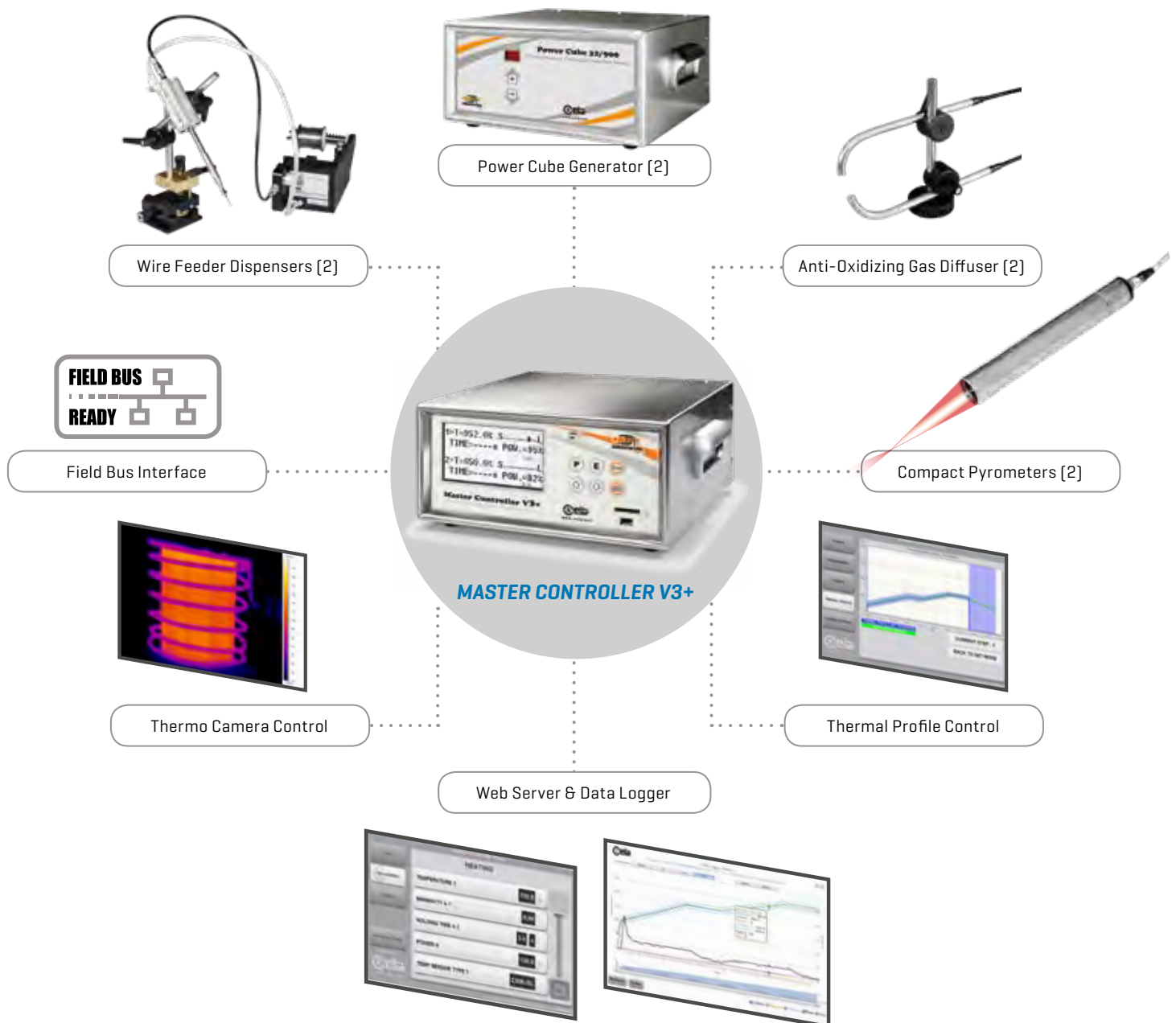
- Efficiency and Compactness
 - High level of performance with minimal operating costs
 - Lower energy consumption
- Complete Operator Safety
 - EMC and CE certified
 - Standard Galvanic isolation
- Process Control and Repeatability
 - Auto frequency tuning for optimal energy transfer to any load
 - Certified stability of power output
- Reliability and Flexibility
 - MTBF certified



POWER CUBE SA/80 series



CONTROL UNITS



The Master Controller V3+ is a multifunction industrial control unit, designed for automatic management of programmable heating processes.

All operating parameters for each phase of the heating cycle can be programmed within a wide range of values.

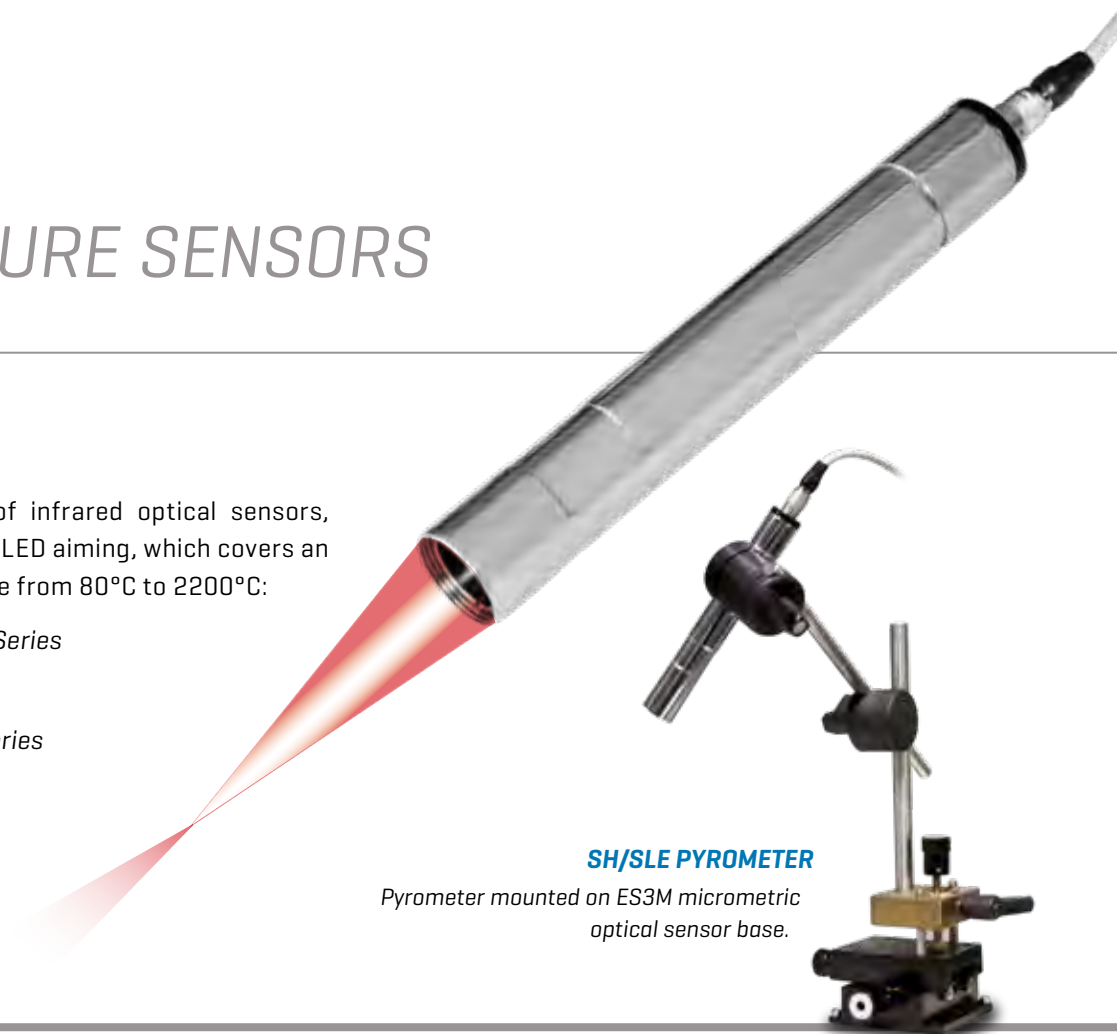
TEMPERATURE SENSORS

SH/SLE SERIES

Ceia offers a wide range of infrared optical sensors, equipped with low-intensity LED aiming, which covers an operating temperature range from 80°C to 2200°C:

>> **SH15/SLE** Single-color Series
from 80°C to 2000°C

>> **SH2C/SLE** Dual-color Series
from 600°C to 2200°C



SH/SLE PYROMETER

Pyrometer mounted on ES3M micrometric optical sensor base.

APPLICATIONS

HEATING



ALUMINIUM BRAZING



HEAT TREATMENT



TIN SOLDERING



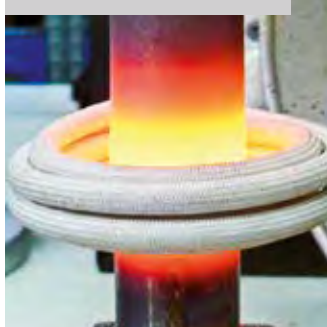
HARD BRAZING



TIN SOLDERING



BRAZING



HEATING

