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BRAND TS

Tools & Equipment for the industry

ELIOS-35

**BOLT INDUCTION
HEATING SYSTEM**



4.0
industry

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HOW DOES IT WORK

1. The inductor is introduced into a hollow bolt and generates a magnetic field

2. The effect of magnetic induction generates an elongation of the bolt

3. Nut loosening is easily accomplished

9. EASY LOOSENING
Once the bolt undergoes elongation, it is possible to easily remove the nut

10. THREAD IS SAFE
Thread is not affected by overheating

11. INTEGRATED COOLING SYSTEM
The inner cooling system allows to use the inductors for several consecutive hours

12. CORE HEATING
The magnetic field acts on the bolt core only to generate the elongation

13. CUSTOMIZED INDUCTOR
Inductors are built in accordance to custom technical specifications in order to fit perfectly into the bolt

4. NUT

5. HOLLOW BOLT

6. INDUCTOR

7. MAGNETIC FIELD

8. HEATING LENGTH



NEW FEATURES

A MAGNETIC INDUCTION HEATING UNIT FOR TIGHTENING AND LOOSENING HOLLOW BOLTS, TIE RODS, NUTS AND MORE.

TECHNICAL DATA

Power | 25 KVA

Frequency range | 5 ÷ 35 KHz

Supply | 400V AC-3PH-50Hz (60Hz)

Electrical plug | 32A 3P+E

Weight | 205 Kg

Dimension | 1000 x 830 x H 1000mm

BASE UNIT

Helios-35



Everything you need to get started

+ OPTIONAL

TIMER

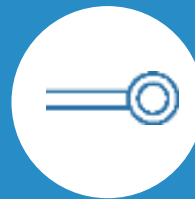
Helios-35T



Allows to set the heating time

RING SHAPED INDUCTORS (RSI)

Helios-35R



Allows to use ring - shaped inductors for the heating of male cylindrical parts (e.g. for the removal of seized nuts).

TIMER + RSI

Helios-35TR



For exploiting the full capabilities of Helios-35

NEW FEATURES COMPARED TO PREVIOUS MODEL KERA 30.1

More powerful |

Reduced heating time and optimized efficiency thanks to the power regulation function according to the inductor size and shape.

Easy to manage |

4.3" color graphic display with easy menu and guided startup procedure so as to immediately set and use the machine.

USB port |

Allows to download/upload configurations, save the operating data and send them to our technical assistance service for analysis.

Customizable inductors |

Customization is our business. According to specific requirements we produce a wide range of inductors, in terms of both dimensions and shape.

Optional Functions |

Timer, Ring-Shaped Inductors and Connectivity.

Smart system |

Faults detection system with automatic power shut-off in case of alarm.

Diagnostics |

This machine is designed to communicate remotely through wifi and modem connections. Through this function, is possible to provide a predictive maintenance service.

1. SINGLE HOOK

Heavy-duty hook

2. WI-FI AND MODEM CONNECTION

Helios communicates directly with us thanks to remote connection

3. FULL COLOR DISPLAY

Managing the functions is immediate and practical thanks to a practical color display

4. USB PORT

Evolution is the key of HELIOS, its system can be updated or restored at any time

5. WATER LEVEL INDICATOR

Helios doesn't need external water sources since it relies on an internal cooling system

6. WHEELS

Helios-35 easily moves around the plant



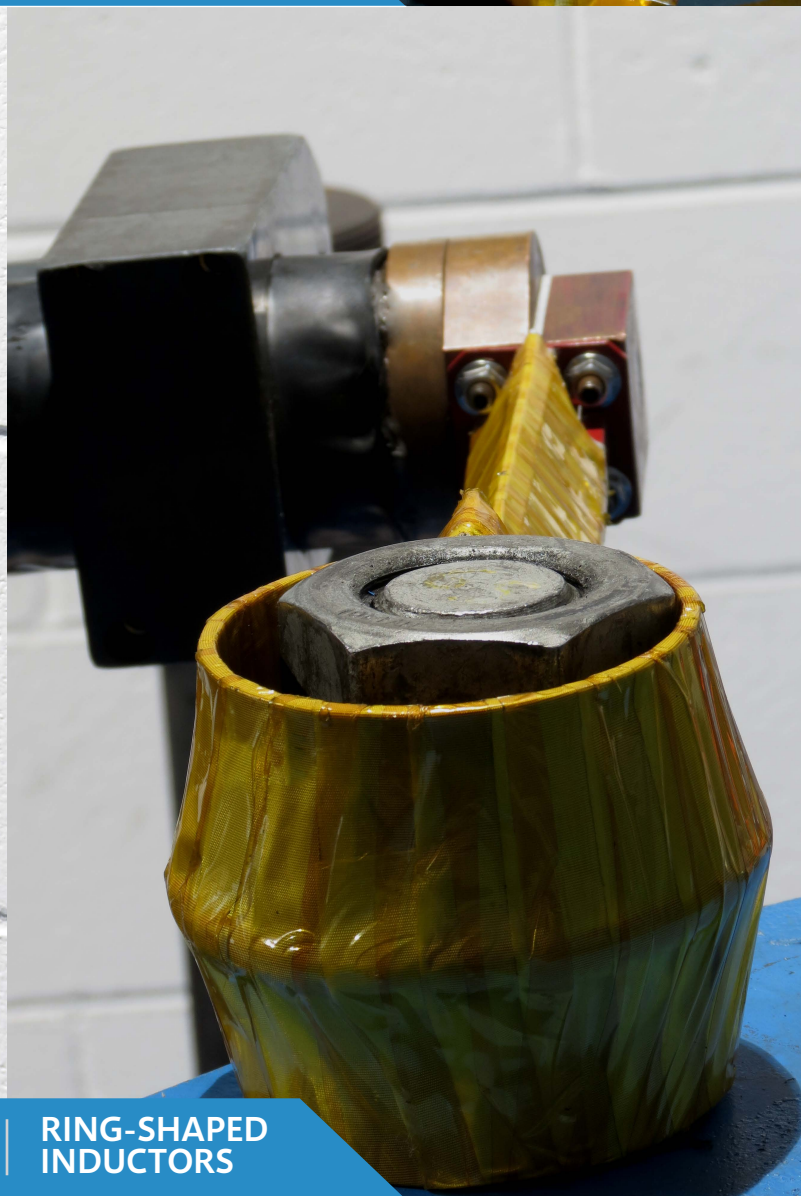
INDUCTORS



INDUCTORS ARE BUILT IN ACCORDANCE TO SPECIFIC REQUESTS



INDUCTORS FOR HOLLOW BOLTS



RING-SHAPED INDUCTORS