

HARDLINE[®] CIHM-H

HEAVY TYPE



The HardLine CIHM-H from EFD Induction is an induction hardening system for large crankshafts up to a maximum length of 10m. Each HardLine CIHM-H is packed with features to help ensure optimum hardening results at minimal cost. Key benefits include:

Unrivalled quality, minimal distortion

Each HardLine CIHM-H comes with the powerful RTM-100 real-time process monitoring system as standard. The HardLine CIHM-H also features 'Active Power Variation' which dynamically adjusts the power in accordance with the crankshaft's angle of rotation during heating. This minimizes distortion by limiting heat seepage.

Aggressive cost control

Become more cost-effective by exploiting the HardLine CIHM-H's minimal energy and water consumption and durable long-life coils.

Smart capital investment

The HardLine CIHM-H can handle crankshafts of any pattern up to 10m long, with or without radii. Advanced control software lets you harden crankshafts to the most stringent quality specifications.



PUTTING THE SMARTER
HEAT TO SMARTER USE

*The system shown is for illustrative purposes only.

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PRODUCT FEATURES

Complete control

The EFD Induction HardLine CIHM-H crankshaft hardening solution features Sinumerik 840D CNC or Simatic s7-300 PLC systems, as well as RTM100 integrated process control software.

Versatile

Standard HardLine CIHM-H systems harden crankshafts of any pattern up to a maximum length of 10m. We can however customize the CIHM-H to let it handle even longer crankshafts.

High quality specs

The HardLine CIHM-H features automatic hydraulic rollers that help minimize distortion. Also, workpiece elongation is reduced by an innovative tailstock system. An innovative coil storage system makes coil changeovers quick and easy, despite the large size of coils used.

Proven solution, worldwide support

The HardLine CIHM-H is a solution from EFD Induction, one of the world's largest and best-known induction heating companies. Our equipment is widely used by many of the world's top manufacturers, and is backed by a global after-sales support program.



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TECHNICAL DATA

HardLine CIHM-H

Throughput	Up to 12 parts per hour, depending on workpiece
Power source	Sinac P range
Max. part length	10m (customized systems for longer crankshafts are possible)
CNC control system	Siemens Sinumerik 840D
PLC control system	Siemens Simatic s7-300
Quench media	Polymer spray
Tank	Stainless steel
Loading	Manual

Subject to modification