

HARDLINE[®] RT 550

INDUSTRIAL HEAT TREATMENT SYSTEM



The EFD Induction HardLine Rotary Table (RT) hardening system is specially designed for fast, trouble-free hardening of automotive valves. Used by some of the world's leading valve manufacturers, the HardLine RT range gives you:

High throughput

A unique loading/unloading system means that valves enter and exit the machine while another valve is being hardened. Also, each rotary table supports a range of valve diameters. To switch between diameters, the operator simply changes a workpiece fixture.

Lower capital costs

As a single HardLine RT system can handle a spectrum of workpiece dimensions, it reduces your need for dedicated machines.

Improved operator productivity

Smart ergonomic design and easy-to-use control interfaces help maximize operator productivity. Changing workpiece fixtures in order to harden differently sized valves is quick and easy.



PUTTING THE SMARTER
HEAT TO SMARTER USE

*The system shown is for illustrative purposes only.

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PRODUCT FEATURES

Reliable power supply

All HardLine RT valve hardening systems are powered by our own serial and parallel compensated, high-frequency Sinac converters. Widely used throughout numerous industries, the Sinac features a three-phase diode rectifier with a constant power factor of 0.95 at all power levels. The Sinac power source also delivers an efficiency factor of 85-87% from input at the rectifier to output at the coil and automatic load matching that ensures full output power.

Advanced CNC controls

Each HardLine RT machine features an advanced CNC system. Functionality can be expanded by adding options such as network connections, printing protocols and database capabilities. Also included are absolute encoders that eliminate time-consuming system referencing otherwise needed on start-up.

Best-in-class-coils

The coils and tooling in HardLine RT systems are custom-built for specific materials and applications. We also offer comprehensive after-sales support to maximize coil lifetimes.



Full automation means maximum productivity—an automatic loading magazine on a HardLine RT 550 system.

TECHNICAL DATA

HardLine RT 550

Model type	RT-550.4x1.1
Scanning capability (Z) mm	400
Motion capability (Y) mm	200
Weight capability (kg)	10
Max. part dia (mm)	100
Max. part length (mm)	250
Max. scanning speed (mm/s)	300

Subject to modification

APPLICATIONS AREAS

The HardLine RT is typically used to harden automotive valves. The system is especially well suited for small- to high-volume production runs of premium quality valves.