



Intuitive operation with EMAG HMI 4.0



Reduction in set-up and tooling times



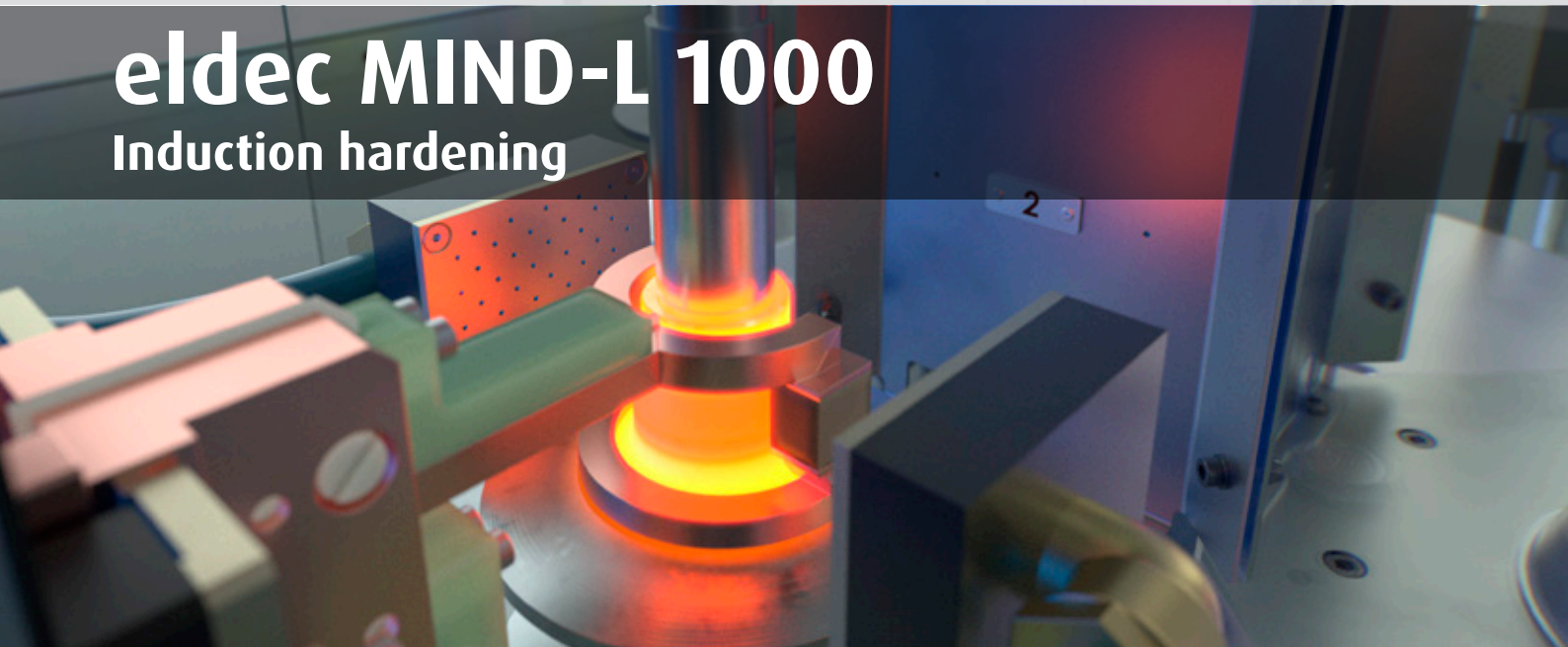
eldec Quality Control

Monitoring, control, and data recording for the process and system



eldec MIND-L 1000

Induction hardening



MIND-L 1000 – the new generation of vertical index disk machines for large volumes



MIND-L 1000 – fully focused on large volumes

The new generation of vertical index disk machines from EMAG eldec has arrived: MIND-L 1000 will replace the MIND 750/1500 Series which has enjoyed great success for the last 10 years.

Reduced costs and therefore price due to an improved modular kit. Even higher availability due to enhanced functions in every detail. "Ready for automation" concept with integrated gantry (optional) and therefore perfect for integration in a production line. Improved accessibility for set-up and service work. Rigid overall design and precise positioning ensure reproducible and permanently stable results.

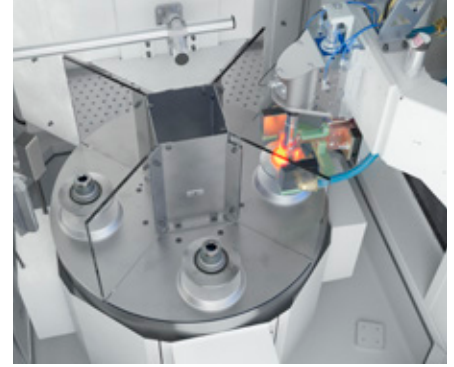
The combination of inductors designed using 3-D CAD and modelled with FEM, inductors manufactured using 3-D SLM, 3-D quality control and the 3-D "Coil Connect" inductor mounting significantly

reduces the new HPTS (High Precision Tool System) set-up and tooling times.

eQC (eldec Quality Control) produces stable hardening results using extensive monitoring, control, and data recording for the process and system.

The new EMAG EDNA HMI 4.0 simplifies operations massively using a modern visualization system, among other features.

As usual – full process integration in a single machine, for example, simultaneous inductive hardening, tempering, cooling, measuring, etc. for workpieces with a diameter of up to 200 mm and a length of up to 800 mm. Available with energy sources from 10 – 1000 kW in LFG, MFG, HFG, DFG (dual frequency) and SDF® (simultaneous dual frequency) frequency ranges.



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