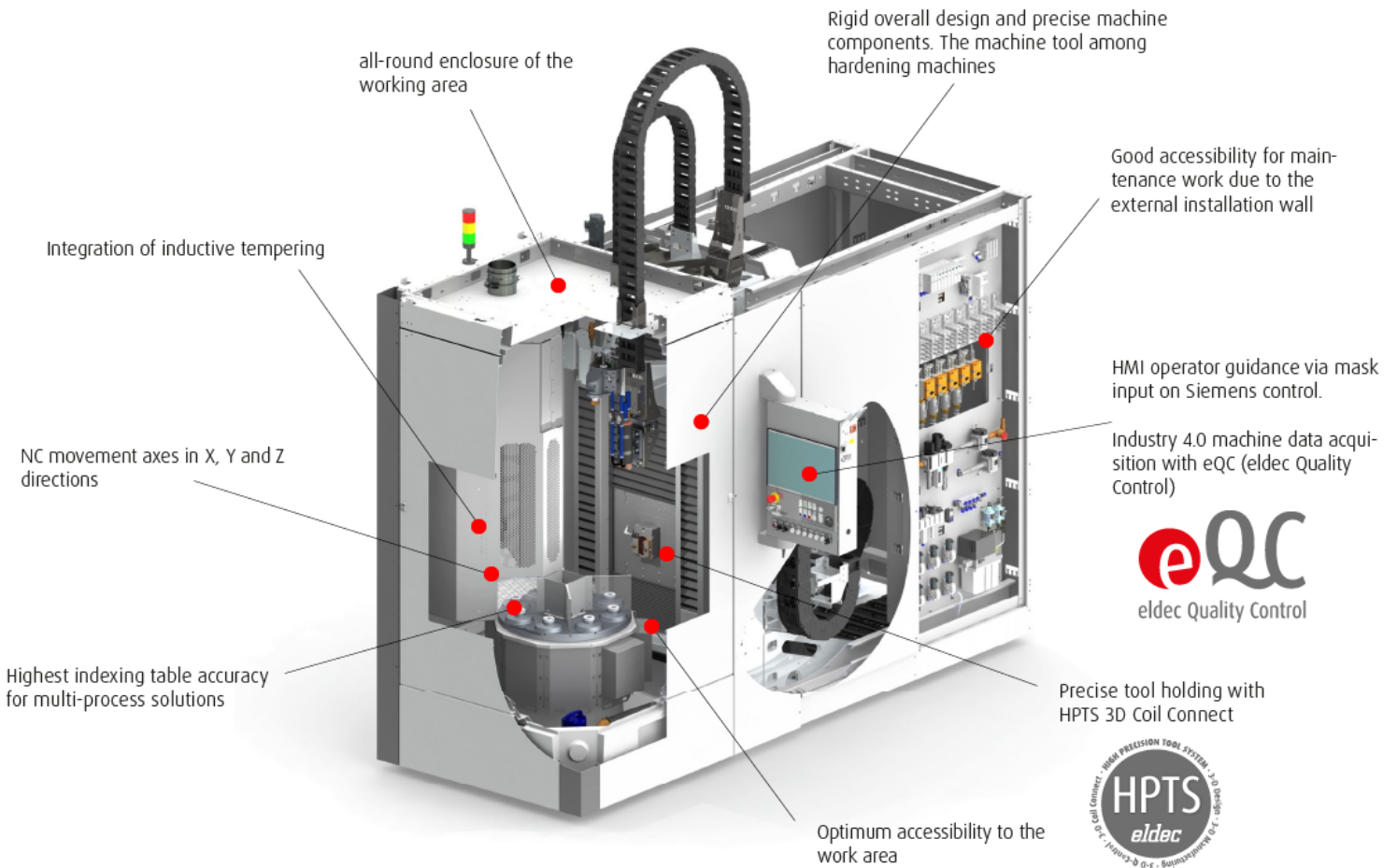


MIND-L 1000

Induction hardening machine for large quantities with maximum and consistent precision



The machine tool among hardening machines. Modular design with maximum availability due to optimised functions in every detail. Rigid overall design, precise positioning and exact generator control ensure reproducible and permanently stable hardening results. Comprehensive Industry 4.0 process and machine data acquisition with eQC (eldec Quality Control). Set-up times are significantly reduced with HPTS (High Precision Tool System). Maximum accessibility for set-up operation and maintenance work.

Multi-process indexing table concept: Full process integration in one machine, such as simultaneous induction hardening, tempering, cooling, blowing-off, measuring, image acquisition, etc. for workpieces up to 200 mm diameter and 800 mm length. Available with energy sources from 10 - 1000 kW in the frequency ranges LFG, MFG, HFG, DFG (Dual Frequency, MF/HF) and SDF® (Simultaneous Dual Frequency).

Workpiece length, max.	800 mm	Generators	up to 500 kW (MF)
Workpiece dia., max.	160 / 200 mm		up to 500 kW (HF)
Workpiece weight, max.	10 kg per spindle		up to 200 kW (LF)
X-axis travel	20 mm		up to 1000 kW (SDF®)
Y-axis travel	250 mm		up to 500/500 kW (DFG)
Z-axis travel	1000 mm		

The MIND-L 1000 series is based on a modular construction kit, which makes the construction forms S, L, T and I possible and therefore the adaptation to a wide range of tasks.



MIND-L 1000 S:
Induction hardening machine for large quantities with maximum and consistent precision



MIND-L 1000 L:
Induction hardening machine for large quantities and numerous multi-processes, with maximum and constant precision



MIND-L 1000 T:
Induction hardening machine for large quantities and multiple processes, with maximum and consistent precision



MIND-L 1000 I:
Induction hardening machine for high volumes and process parallelisation, with maximum and consistent precision

