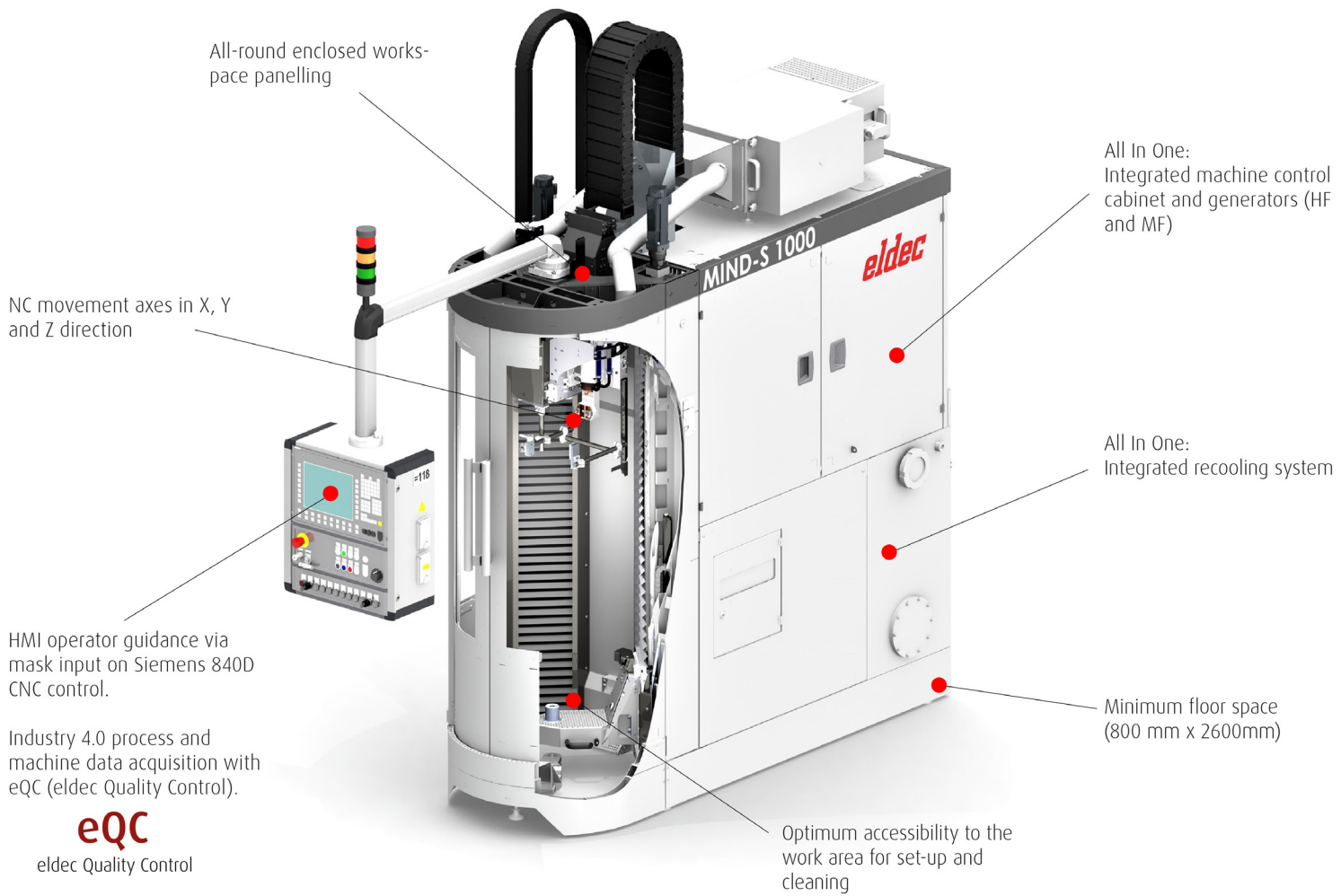


MIND-S 1000

All in One: compact complete hardening machine for shaft parts in medium quantities



NC movement axes in X, Y and Z direction

All In One: Integrated machine control cabinet and generators (HF and MF)

HMI operator guidance via mask input on Siemens 840D CNC control.

All In One: Integrated recooling system

Industry 4.0 process and machine data acquisition with eQC (eldec Quality Control).

Minimum floor space (800 mm x 2600mm)

eQC

eldec Quality Control

Optimum accessibility to the work area for set-up and cleaning



The MIND-S 1000 is a compact complete hardening machine as a single-spindle, double-spindle or indexing table version for the induction hardening of shaft-shaped workpieces up to 900 mm in length. All components are integrated on a machine stand to save space: Cooling system, energy source, machine control cabinet and process cell. The result is cost-effective and maximum productivity in the smallest possible space.

With a maximum power requirement of 50 kW HF or 100 kW MF, workpieces can be hardened and optionally induction tempered.

The main equipment of the MIND-S 1000 includes Y- and Z-NC axes for positioning the inductor to the workpiece, a main spindle drive for workpiece rotation, a Siemens 840D CNC control and a temperature- and flow-monitored shower for the quenching medium.

Clamping between centres is possible with the tailstock module and centring mandrel. The loading module allows the system to be loaded either manually or automatically.

Technical Data

Workpiece length, max.	900 mm	Generators	up to 100 kW (MF)
Workpiece dia., max.	300 mm		up to 50 kW (HF)
Workpiece weight, max.	10 kg		
X-axis travel	10 mm	minimum floor space	800 x 2600 mm
Y-axis travel	40 mm		
Z-axis travel	1000 mm		