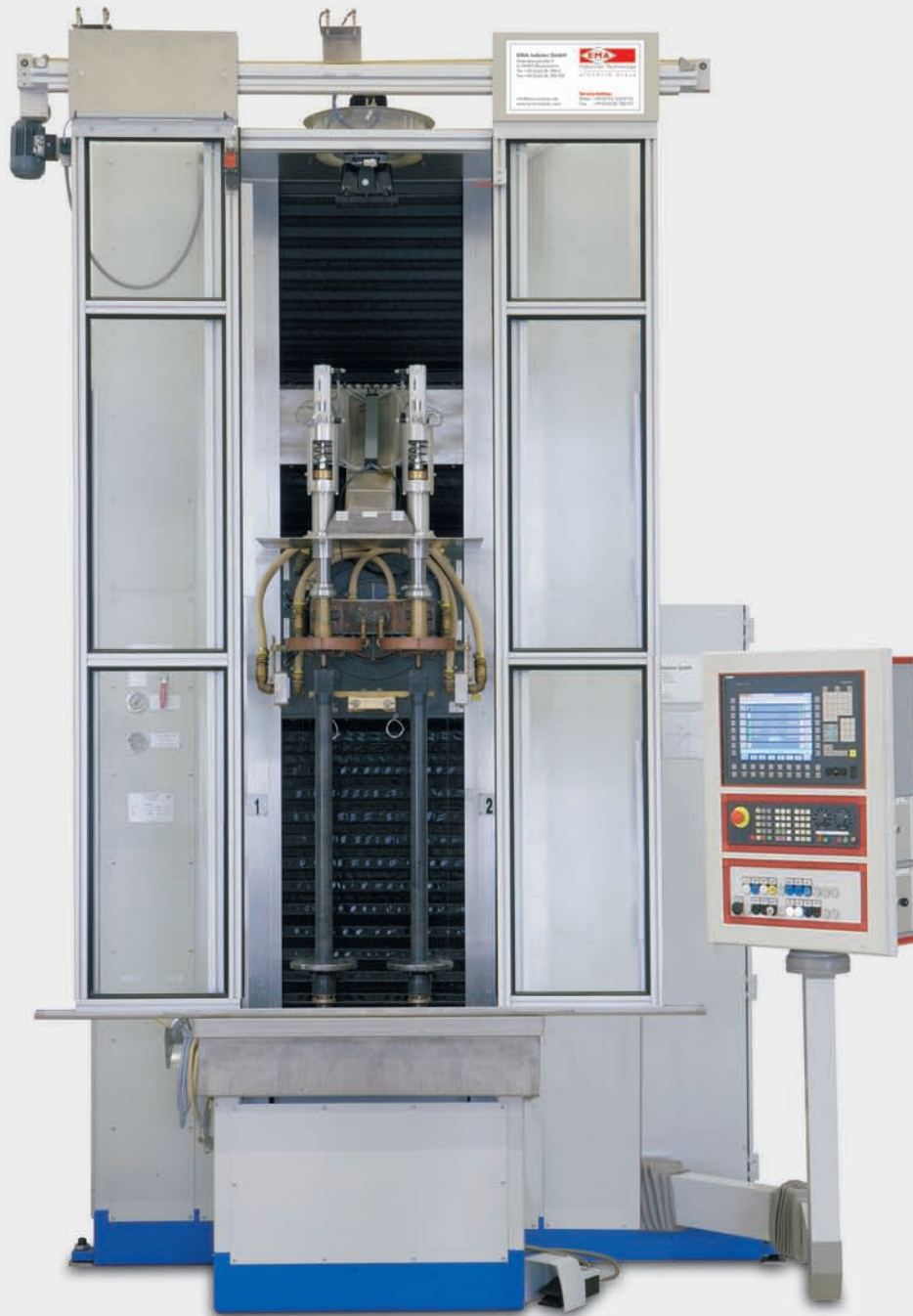




Induction Technology

AICHELIN Group

Vertical Induction Hardening Machines – universally applicable



Type VH
for small and medium-sized Batches

RELIABILITY AT WORK

Vertical Hardening Machine Type VH designed for small and medium-sized Batches

Solidly constructed hardening machine of different sizes, designed for the processing of heavy and large work pieces in small and medium-sized series that need high performance. Special equipment that meets with the user's requirements to increase universal application and flexibility. Proved and tested construction, designed for the reliable and cost-effective processing of work pieces of reproducible, high quality. Automation possible owing to diverse handling systems which are available on request.

Basic equipment of the universally applicable machine

- CNC control, type Siemens 840D sl
- User-friendly, comprehensible operation
- Visualisation and documentation of all parameters relative to the process via a coloured operation panel
- Vertical inductor guide way designed as CNC axis
- Cross adjustment, engine-driven
- Working space equipped with stainless material

Connections to network, Ethernet, Internet, modem and automation interfaces are possible.

Quality control packages round out the range of the services we offer.

Technical Data	VH 1000	VH 1500	VH 2000	VH 2500	VH 3000
Base area	2,500 x 2,500 mm				
Total height	3,500 to 5,500 mm				
Clamping length	1,000 to 3,000 mm				
Work piece diameter	up to 600 mm				
Work piece weight on thrust bearing	up to 1,000 kg				
Feed range inductor vertical	1,200 to 3,200 mm				
Feed range inductor in-feed axis	240 mm				
Feed range inductor transverse adjustment	+/- 15 mm				
Speed thrust axis vertical	30 to 10,200 mm/min				
Speed thrust axis horizontal	30 to 7,200 mm/min				
Revolutions per minute of circular axis	0-500 min ⁻¹				

Any indications of sizes are to be understood as circa sizes. Subject to any kind of alterations, errors excepted.

Special Equipment

Twin bearings and tailstock
NC steady rest, freely movable
NC steady rest, movable via tailstock or inductor carriage
NC inductor in-feed axis

Certified according to DIN EN ISO 9001:2000 and VDA 6.4



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