

Vertical induction hardening installation. TVG

The TVG vertical induction hardening installations offer a great versatility in the very diverse characteristics and dimensions parts treatment and allow, in their standard version, the vertical managing of big pieces of up to 3m of length, 4 meters of diameter and two tons of weight.

The TVG machine basic supply is the vertical hardening machine for parts among points tightening, with manual load and unload, and on which the inductor moves along the part.

The diverse elements like trame and trays easy incorporation, allows carrying out the most different parts. The special elements utilization also allows the parts treatment with major dimensions and weight than others.



Heating detail



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Standard characteristics:

- An induction hardening equipment: TRANSITHERMIC transistors generator, inductor and oscillator.
- A heating equipment cooling system.
- A hardening liquid cooling system.
- An inductor moving numerical control system.
- A TVG handing machine

Features of TVT Machine:

- Maximum parts length: 3.000 mm.
- Hardening zone length: 3.000 mm.
- Maximum parts weight: up to 2.000 kg (according to versions).
- Parts diameter: up to 4.000 mm (according to versions).
- Inductor speed: up to 8.000 mm/ min.

Options

Multiple complementary devices extend the TVG vertical hardening installation application fields:

- Displaced axis for great diameter parts.
- Load table for Special parts.
- Auxiliary support for the heavy parts load.
- Gears tooth to tooth hardening system.
- Double point for simultaneous two parts hardening.
- Variable turning speed.
- Raising machine rollers for slender parts.
- Draft lens for parts without top fixation.
- Centralized lubrication.
- Smokes and steams aspiration and treatment.

