

Vacuum Furnaces for Heat Treatment



Vacuum Furnaces for:

- ▶ Hardening
- ▶ Tempering
- ▶ Annealing
- ▶ Aging
- ▶ Nitriding
- ▶ Low Pressure Carburizing

Horizontal-Hinged door

Horizontal-Cart bottom door

Vertical furnaces



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VACUUM FURNACES

Heat treating is performed to improve the mechanical and/or chemical properties of materials. Thermal processing in a vacuum furnace ensures highly accurate and reliable results for materials having to withstand extreme operating conditions.

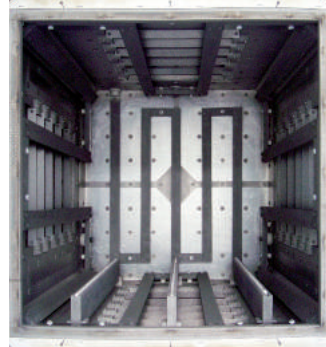
Vacuum is the ideal environment for material processing at high temperatures: it is clean, pollution free, oxygen free according to the vacuum level.

TAV VACUUM FURNACES designs and manufactures advanced vacuum furnaces with the highest quality standards in a wide range of geometries and dimensions, now installed and running in over 50 countries in the 5 Continents.

TAV VACUUM FURNACES continuously develops its technology and vacuum furnaces through a close collaboration with its customers and partners.

VACUUM FURNACES MAINLY FIND APPLICATION IN THE FOLLOWING INDUSTRIES:

- aero-engine manufacturing
- industrial gas turbine manufacturing
- heat exchanger manufacturing
- commercial heat treatment
- manufacturing of sintered components
- additive manufacturing
- research centers



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