



Sten Teräs Oy | Sten Steel | FINLAND

HEAT TREATMENT SERVICES

STEN

HEAT TREATMENT IS OUR BUSINESS

Heat Treatment Plant

Our heat treatment plant in Finland offers a wide range of heat treatment services. Hardening shop is specialized in demanding tool hardening, case hardening and nitriding applying the state of the art vacuum technology. We perform heat treatments with the most modern equipment in Finland.



| *Sten Heat Treatment Plant*



| *Vacuum Heat Treatment Furnaces*



Heat Treatment Services

Sten's heat treatment plant has a wide range of different heat treatment services. In protective atmosphere gas hardening, we offer hardening and case hardening as well as carbonitriding. Quenching can be done either in hardening oil or in air.

All nitriding treatments are based on the gas nitration method. Most common processes are nitrocarburization and black nitriding. Black Pro Plus-treatment is also possible, it gives the best corrosion resistance of nitriding processes.

In vacuum hardening, we perform hardening, vacuum carburizing (LPC), solution annealing and Hydrovac-treatment. If necessary, we can also carry out sub-zero treatment, which improves the quality of the components even more.

There are several different heat treatment furnaces for different processes, so it guarantees delivery reliability. Our experts will help you choose the right material and heat treatment.

VACUUM HEAT TREATMENT PROCESSES

Vacuum hardening
Vacuum carburization (LPC)
Hydrovac-treatment
Solution annealing

PROTECTIVE ATMOSPHERE TREATMENTS

Hardening (oil / air quenching)
Case hardening
Carbonitriding
Annealing

NITRIDING PROCESSES

Nitrocarburization
Black nitriding
Black Pro Plus-treatment

SALT BATH HARDENING

SUB-ZERO TREATMENT

TECHNICAL SUPPORT

LABORATORY



One of the Protective Atmosphere Furnaces



One of the Gas Nitriding Furnaces

Contact Us

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