

VACUHEAT

The ALD Heat Treatment Services Center



Being known as the first Heat Treatment Services (HTS) Center of ALD, **VACUHEAT** has many years of experience with the required heat treatment processes for high volume components. **VACUHEAT** has the expertise and resource to optimize your heat treatment results.

Optimized solutions for complex requirements

Our on-site experts develop and refine specific heat treatment recipes tailored to the material and specific customer needs.

Beyond the normal scope of a heat treatment shop, our service centers have extensive development expertise and testing capabilities in order to offer customers optimized solutions even for complex heat treatment requirements.



Processes

Low Pressure Carburizing (LPC)

High Pressure Gas Quenching (HPGQ) with N₂/He

Neutral Hardening under Vacuum

Normalizing

Treatment of tools and dies under high vacuum

Annealing

Brazing

Additional Services

Full traceability of production with ERP-system

R&D consulting and new product development

Optimization of existing processes

Materials laboratory / Measuring equipment

Back up facilities for in-house heat treating processing

VACUHEAT in figures

4 ModulTherm® systems with 19 treatment chambers

3 Dual chamber furnaces

1 Single chamber furnace for high vacuum

2 Furnaces for thermal de-oiling

High Pressure injection components for 10,000 engines/day

More than 150 Million injection components since Start of Production (2000)

Zero field ppm since Start of Production

Achievements

- ✓ IATF 16949
- ✓ ISO 14001
- ✓ ISO 50001
- ✓ OHSAS 18001
- ✓ CQI9

**If you are interested in more information, please contact us.
We would be glad to provide more details about our services.**



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