



**STAHLHÄRTEREI
HAUPT** HÄRTE IST HAUPT-SACHE

**OVERVIEW | STATUS OF 12/2017 | E
QUALITY ASSURANCE
LABORATORY**

**Certified
QM**

**Monitoring and
control of all processes**

**Continuous staff
improvement**

**Contracted-out
services**

WE CAN DO MORE!

For example, magnetic particle crack testing in accordance with DIN EN ISO 9934 and salt spray testing in accordance with DIN EN ISO 9227. Experts now avail themselves of this service on a contracted-out basis.

In order to be completely sure that only the highest quality is supplied, we carry out comprehensive quality assurance measures in our laboratory.

For example, material analyses help us to prevent processing faults right at the preparatory stage.

As heat treatment is a decisive factor for the strength and longevity of a workpiece, we accurately determine all hardness parameters on an ongoing basis in order to ensure precise process control and thus enable the hardness results to be fully documented.

Certification of our quality management system according to DIN EN ISO standards is a visible sign to the outside world.

In order to guarantee this on a sustained basis, we provide regular training for our employees, and provide the necessary prerequisites for this with our modern machinery

HIGH PERFORMANCE AND HIGH STANDARDS – VERY LOW NUMBER OF WARRANTY CLAIMS.

- Spectroanalytical materials testing in the laboratory or on the road
- Metallographic investigations
- Measurement of diffusion and bonding layers
- Structural investigations
- Determination of hardness depth of heat-treated parts (Eht, Rht, Nht)
- Measurement of hardness characteristics
- Brinell hardness testing from 187.5 – 3,000 kg load
- Vickers hardness testing, small load testing from 0.1 to 10kg
- Hardness testing using the Rockwell method
- Non-destructive penetration crack testing
- Determination of process capability index (Cp-Cpk)
- Hardness advice
- Damage analysis
- Detailed documentation of all orders