



HIGHEST LEVEL OF EXPERTISE  
STATE-OF-THE-ART TECHNOLOGY  
MOTIVATED EMPLOYEES  
Let us be the secret to your success

2 LOCATIONS

1 TEAM

Customer-specific testing

Customer-specific test systems

► **Hydropulse test systems**

Burst pressure test systems

Oil tempering units

Gas pressure systems

## Hydropulse test systems

HP-ILR | HP0080 | HP0150 | HP0450 | HP0700 | HP1000

The HP series of hydropulse test systems are used for dynamic internal pressure pulsation of all types of hydraulic parts with defined load profiles (load curve shapes and frequency), for burst pressure testing, for tightness testing and for determining leakage rate.

The active system is equipped with the new highly dynamic iterative learning controller (IL control). In combination with sensors with plausibility checking, they ensure the highest degree of reproducibility in the test results.

### Dynamic pressure testing:

Internal pressure pulsation according to:

- DIN/ISO and SAE standards
- Customer-specific parameters

### Static pressure testing:

Burst pressure testing according to:

- DIN/ISO and SAE standards
- Customer-specific parameters

### Technical specifications:

Test stations:

Single- and double-chamber systems

Testing pressure:

Test chamber with tempering (add. climate control possible)  
0 to 100 MPa standard (up to 350 MPa on request)

Testing frequency:

0.1 to 30 Hz (dependent on pulse shape/component)

Load shape:

Sinusoidal, trapezoidal (also custom shapes on request)

Testing medium:

HLP oil, fully synthetic motor oil (other media on request)

Testing medium temp.:

30 °C to 150 °C (pressure-dependent)

Control technology:

IL control/PID control, industrial PC, Simatic S7 PLC, visualisation, highly dynamic recording of measurement data, online evaluation and archiving of current test, output of customer-specific test logs, network-compatible

Test sample adaptation:

Flow and return flow line, test sample holder for fluid filter or (on customer request) single-station leak detection, single-station switch-off in case of leak, measuring probe for measuring component deformation

Optional extras:

Torque wrench for documented tightening and loosening torque, displacement sensors for measuring deformation, measurement of leakage rate and expansion volume, additional flow and return flow connections for testing components in external temperature chamber, touchscreen operation



CE® declaration of conformity

Our strength lies in adjusting key technical data to your specifications!

