



HYDAC

INTERNATIONAL

**Components,
Systems and Service
for Test Rigs and
Testing Systems.**



HYDAC Germany



HYDAC USA



HYDAC Italy



HYDAC Austria



HYDAC Poland



HYDAC France



HYDAC China

HYDAC

Your Professional Partner for Test Rigs and Testing Systems.

With over 5,500 employees worldwide HYDAC is one of the leading suppliers of fluid technology, hydraulic and electronic equipment.

Our wide range of products, combined with our expertise in development, manufacturing, sales and service enables the most diverse problems in test rigs and testing systems worldwide to be overcome.

Our quality and environment certification to ISO 9001/2000 and ISO 14001 denote first class quality and responsible management of our resources.

Global yet local.

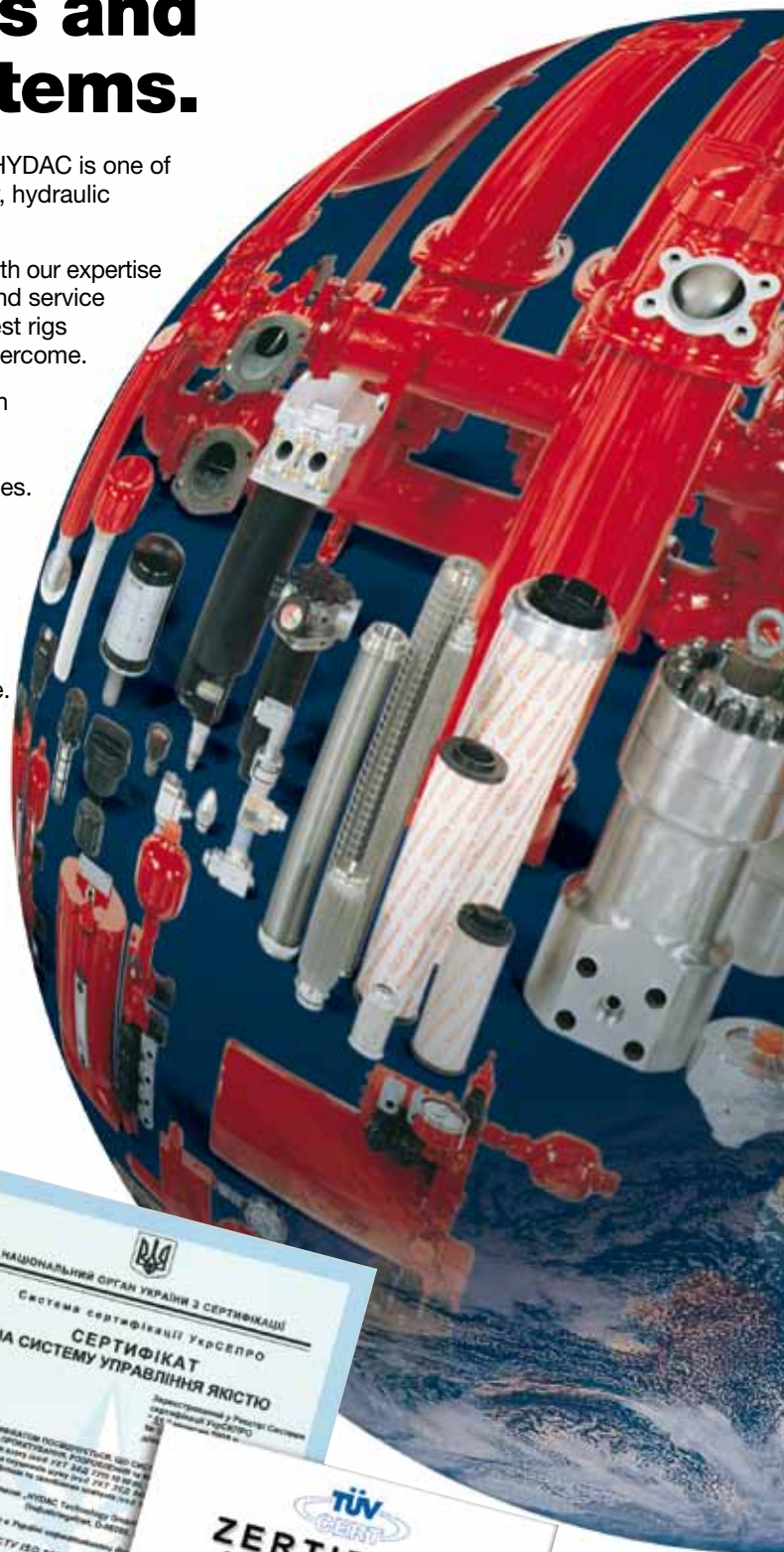
With 40 overseas subsidiaries and over 500 distributors and service partners, HYDAC is your reliable partner worldwide.

System solutions.

One supplier. One contact.

We have the know-how you need. Working together, we can help you find the best solution both technically and economically.

Worldwide approvals.

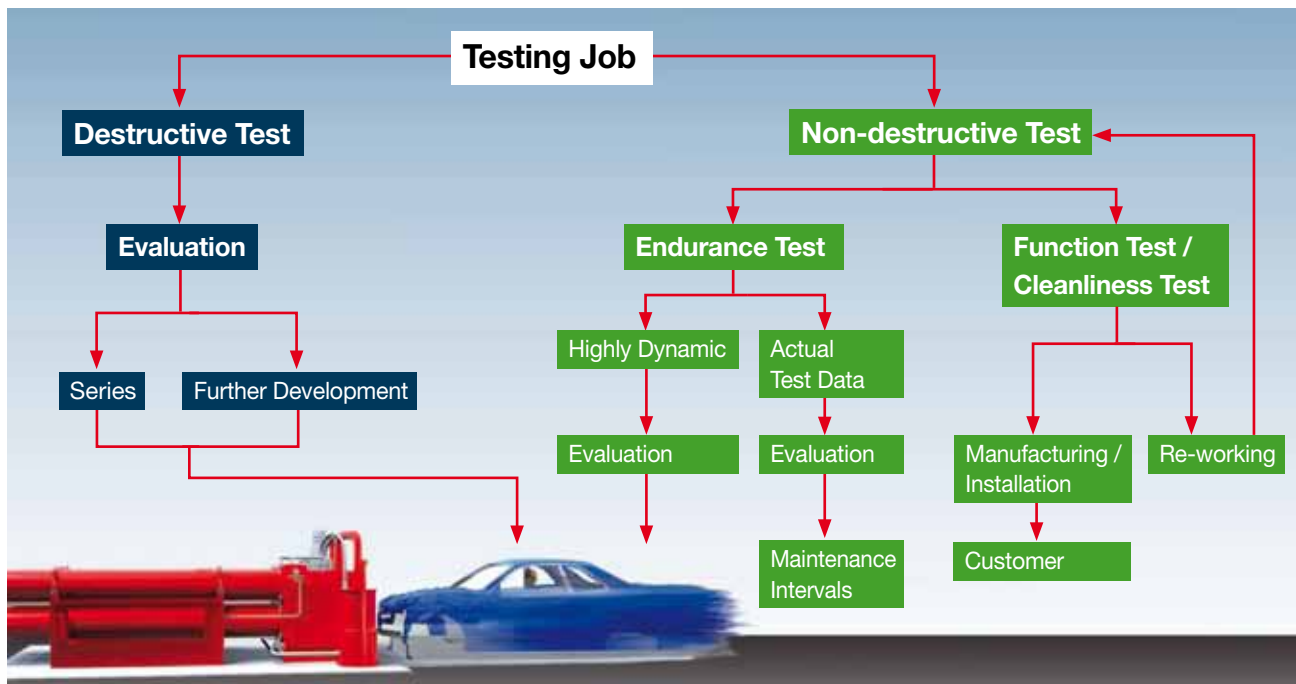


HYDAC for Test Rigs.

Development and manufacture of components and systems for test rigs.

Providing the best and most economical solution is our challenge:

- Integrating reliable hydraulic and electronic components and systems
- Energy efficient design including energy recovery
- Active collaboration in close development partnership
- Pressures up to 1,000 bar
- High quality, optimum Life Cycle Cost => maximum availability
- Monitoring of the hydraulic system
- Commissioning, service
- Worldwide technical service and global commercial agreement



Technical Cleanliness

- Reduction in start-up breakdowns
- Process chain analysis



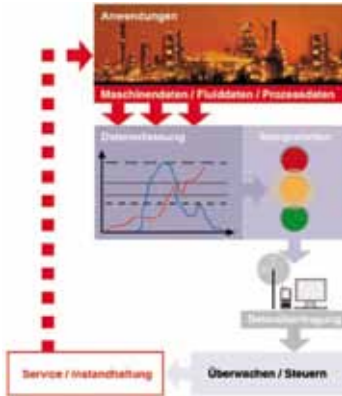
Analysis and documentation on site and in the laboratory.

Measuring Technology / Condition Monitoring

Monitoring

- Pressure
- Temperature
- Oil quality
- Contamination
- Flow rate
- Water content

Online diagnostics and monitoring possible



Data logging unit MDE6070 with CM-Expert software

- Industry PC
- 26 analogue sensor inputs or HSI components
- Industry interfaces: RS232/422/485, Ethernet, ...
- Slots for 4 analogue or 16 switch outputs



Condition Monitoring Unit CMU 1000

Electronic evaluation unit for permanent online condition monitoring of machines and systems.



FUM Flushing Unit: Flushes the system to a specific cleanliness before commissioning.



FAM Fluid AquaMobil: For dewatering, filtration and de-gassing the hydraulic medium.



Filtration Unit OF7

For leakage intake as well as filling and simultaneous filtration.

Process Management / Task Assignment

Technical Service

Upgrades

Energy Storage

- Management of operating peaks
- Energy saving
- Noise reduction



Cooling Systems

- Optimum operating condition
- High level of temperature accuracy



Filtration Technology

- Filters with clogging indicators
- Depending on the requirement: pressure filters, offline or return line filters
- Filters with clogging indicator for open and closed circuits



Accessories

- Mounting elements for vibration-free operation of the system



Fluid Technology

- Safety control blocks for smooth operation



Costs / Calculation

CAD-Design

Test

After Test Support

Applications

**From subsystems
to turnkey systems**

**Production-oriented
test rigs for testing:**

- Filters (Multipass*)
- Accumulators
- Cylinders
- Valves
- Power units
- Safety blocks
- Cleanliness of fluids
- Pulsations
- Technical cleanliness

**Process-oriented
solutions, such as:**

- Fatigue test systems
- Wind turbine
transmission test rigs
- Crash systems
- Simulation tests



Total-cell fatigue test system for the Test Airbus A 380.



Lubrication oil supply for wind turbine transmission test rig.



Test rig, function and cleanliness.



Vibration test rig



Accumulators and pressure sensors for crash unit.



Component testing



Cylinder test rig



Multipass test rig*

Systems and Service - Worldwide.

HYDAC not only manufactures components, but integrates these perfectly together to produce complete systems. Proven technology, high quality standards and stringent testing procedures guarantee the performance of HYDAC system solutions.

HYDAC Headquarters



HYDAC Switzerland



Service and Optimisation.

As a specialist in systems and fluid service, HYDAC SERVICENTER provides individual programmes from cleaning to complete maintenance packages and action plans for system optimisation. Our aim is to increase machine availability, to reduce system downtimes and to increase productivity.





Brochure: Accumulators DEF 3.000



Broch.: Filtration Range DEF 7.000



Br.: Filters for Industr. Processing DEF 7.700



Brochure: Fluid Systems DEF 7.929



Broch.: Compact Hydraulics DEF 5.300



Brochure: Accessories DEF 6.100



Brochure: Electronics DEF 18.000



Broch.: Cooling Systems DEF 5.700

Global Presence. Local Expertise. www.hydac.com

HYDAC

INTERNATIONAL

Head Office
HYDAC INTERNATIONAL
GMBH

Industriegebiet
66280 Sulzbach/Saar
Germany

Phone:
+49 6897 509-01

Fax:
+49 6897 509-577

Internet: www.hydac.com
E-Mail: filter@hydac.com



-  HYDAC Headquarters
-  HYDAC Companies
-  HYDAC Distributors and Service Partners