

> HERE WE ARE.



Calibration for Aerospace



EXOVA
METECH

Testing
Calibrating
Advising



Models of Aircraft Jacks:

- Wheel-changing jack/ Axle jack up to 60 t
- Tripod jack up to 40 t

On-site Service Ground Support Equipment

Ground support equipment is an important aid for both the servicing and operating disciplines of the aviation industry. Time-critical jobs are depending on the reliability of this equipment, and the working safety is another area that doesn't tolerate any compromises.

Aerospace

Exova METECH is a full-service supplier in metrology for the aviation and space sectors. We provide metrological support and accredited calibration services. Since 1947 we have helped our customers to interpret and implement industry quality standards, and to calibrate measuring tools and instruments.

We are vendor independent and able to support almost all instrument brands and types.

Accredited Laboratories

Our well-equipped laboratories deliver accredited and traceable calibrations in many electrical and physical parameters. Exova METECH is ISO/IEC 17025 accredited and ISO 9001 certificated.

Experience and Specialism

Exova METECH has many years of experience and extensive specialist knowledge in the quality standards and complex measuring and testing technologies covering the aerospace industry. We are pleased to be able to include this experience in our services.

On-Site Calibrations

Our on-site calibration technicians are trained to work independently, with no impact on your daily operations. They have all successfully undergone a background check with the associated aviation security training (in accordance with LuftSiSchulV), ready and able to support you in all aspects of calibration.

Our services meet the requirements of the German BGV C10 regulation and the EN DIN 12312-19:2009-08 directive.

Typical instruments:

- Force meters
- Dynamometers
- Tension meters
- Aircraft weighing kits
- Inclinometers
- Torque spanners
- Manometers
- Air data test sets
- Data loggers
- Temperature and humidity sensors
- Electronic measuring devices
- Laser distance meters
- Rotating lasers
- Length measuring equipment
- Gas flow meters
- Crimping tools
- Extraction force devices



Advantages:

- High availability of your equipment
- No shipments
- No waiting times
- Contact persons on site
- Availability at all of your service stations
- Traceability to meet national/international measurement standards
- Comprehensive calibration/testing certificates with measurement data
- Calibration of further measuring and testing devices if required

In order to ensure the reliability and operational safety, Exova METECH has developed special, traceable ground support equipment for calibrating and testing.

Testing/Calibrating of Hydraulic Aircraft Jacks

Time is money. This is particularly true for the aviation industry. In order to increase the availability and utilisation of your ground support equipment, Exova METECH has developed a mobile calibrating/testing device that enables our technicians to carry out traceable, on-site calibrating or testing work as required.

Our services meet the requirements of the German BGV C10 regulation and the EN DIN 12312-19:2009-08 directive.

Service Cooperation Exova METECH & Nayak Aircraft Services

Service Exova METECH GmbH

The service is carried out directly on-site in a special testing rig (see image), which means the testing is independent of ambient conditions. A processing time of maximum one hour per jack, is unbeatable in speed.

The testing rig is approved by the German TÜV (testing inspectorate). All measuring devices employed can be traced directly to national measurement standards and the calibrating laboratory is accredited in accordance with DIN EN ISO 17025.

Service: A (BGV C10 test)

- Visual inspection in accordance wh. manufacturer's requirements and BGV C10 specifications.
- Functional test in accordance with manufacturer's requirements and BGV C10 specifications.
- Testing certificate + inspection plate.

Service: A+B (+ load test)

- Service A (BGV C10 test) performed.
- Further functional testing under rated load.
- Overload test in accordance with manufacturer's requirements, with a minimum of 110 %.
- Load drop for a rated load.
- Advanced testing certificate + inspection plate.

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COOPERATION WITH EXOVA METECH Our Services.

For each jack we offer a pick up and delivery service. According to the arrangement our service can also be carried out on site where you need it. Repairs outside the scope of service will be offered pre-separated.

SERVICE N1 (OIL CHANGE)

- > The old oil is completely drained and properly disposed.
- > Hydraulic parts are cleaned.
- > Filled with new oil, compliant to manufacturer.

SERVICE N1+2 (WEAR PARTS)

- > The jack is partially disassembled.
- > Wear parts (such as seals) are replaced with original parts (Supplied with certificates).
- > Service N1 is additionally performed.
- > Service A+B

SERVICE N1+2+3 (OVERHAUL)

- > The jack is completely disassembled.
- > All parts are tested and if necessary overhauled or replaced.
- > This includes the Service N1+2.
- > The jack is optically overhauled (painted as desired color, and acid-resistant).
- > The final stage involves assembling and Service A+B.

SERVICE NV (SCRAPPING)

- > The jack will be picked up, dismantled and properly disposed.
- > Scrapping is documented.

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EXOVA
METECH


NAYAK
AIRCRAFT SERVICES

AIRCRAFT MAINTENANCE

Nayak Aircraft Service GmbH & Co. KG



Nayak Aircraft Services is a European MRO Provider for over 40 years experience in aviation with head office in Germany and branches in the Netherlands and Italy.

As an airline-independent service provider in the field of maintenance and repair of aircraft at the Cologne Bonn Airport, the Nayak Group offers a worldwide network of currently 26 Nayak Service-Station.

SERVICES

- > Line Maintenance
- > Base Maintenance
- > Business Jet Maintenance
- > Engineering & Design Part 21
- > Non Destructive Testing – NDT
- > Component Service Center
- > Technical Training
- > Tooling

In addition to the Hangar 6 at the Cologne Bonn Airport, NAYAK provides its Component Service Center in Troisdorf/Spich in the vicinity of Cologne. The CSC provides maintenance & overhaul, storage and logistics of aircraft wheels & brakes for customers worldwide. At the CSC our customers will find as well the Nayak NDT Training Center, for NDT Courses (Non Destructive Testing).

Nayak Aircraft Services offers Component Maintenance, Inspection and Repair with **LBA and FAA Certification**.

NAYAK STORES

- > Avionic Shop
- > Battery Shop
- > Calibration Shop

Nayak Aircraft Service GmbH & Co. KG

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TOOLING

Precision is our Passion.

Nayak Aircraft Service GmbH & Co. KG supports its customers by providing special tools and equipment which are essential in the maintenance, repair and overhaul of the various types of aircraft. These tools can be leased or sold.

- > Tool Lease Service
- > Tool Buy Service

Our Nayak Engineers also develop a number of special tools. This leads to a significantly optimization in maintenance. The tools are manufactured in-house at our Machine Shop at the Cologne Bonn Airport.

Approvals

Part 145 No.DE.145.0007
Part 21G No.DE.21G.0193
Part 21J No.EASA.21J.077



B737 NG/CL Silencer



Hawker Drain Tool



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