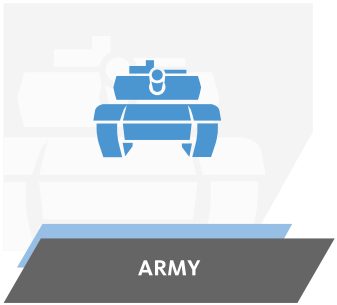
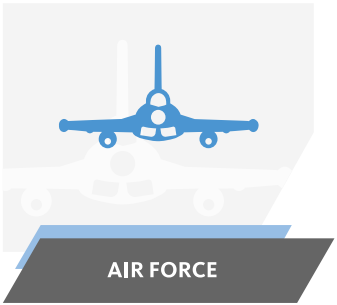
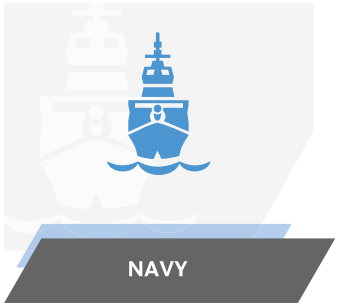
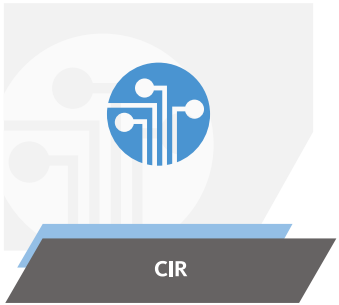
SAFETY IN EVERY MISSION

DEFENCE SYSTEMS FOR THE HIGHEST DEMANDS









www.fgb.de/en/defence

SAFETY IN EVERY MISSION

FGB – YOUR PREMIUM PARTNER FOR DEFENCE SYSTEMS

As an established company in special machine construction, **FGB** has been successfully engaged in the defence industry for many years and offers **tailor-made solutions for the highest demands.** With our expertise and understanding of the special requirements of the industry, we supply products and systems that are developed, built and tested according to military standards.

Our solutions support the armed forces: **army, air force, navy** and the **cyber and information space (CIR).** We see our strengths in the areas of production technology for ammunition, electrical drives for defence applications as well as test benches for defence technology and eddy current testing of military products.

Find out here how our products and solutions can safely and reliably meet your requirements in the field of **defence technology.**

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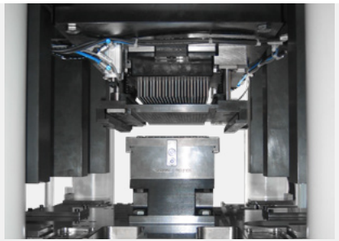


MANUFACTURING TECHNOLOGY FOR AMMUNITION

INNOVATIVE MANUFACTURING TECHNOLOGY FOR AMMUNITION – PRECISE, EFFICIENT AND SAFE

With decades of experience in the construction of robust systems for ammunition production, we offer an optimum solution for every step in the ammunition production process. These include, for example, our **loading machines** for the production of ammunition of various calibers, **cap filling modules and press-in stations** for primers, **case shakers** for filling workpiece carriers, **automatic assembly machines** for electric primers as well as **coating and packaging machines.**

Whether **precision ammunition or standard cartridges** – our systems set new standards in automated production. You can rely on our **extensive experience** and innovative technologies to make your **ammunition production** safe, precise and efficient.



Press-in station for primers



Coating and packaging machine



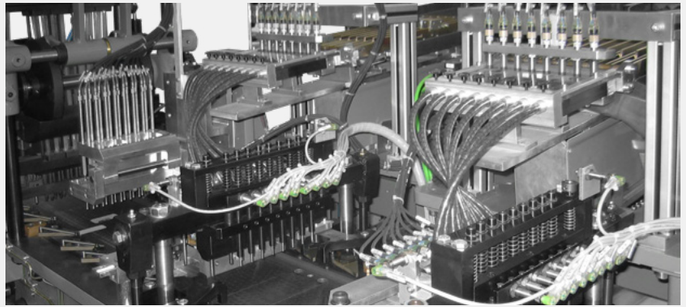
Automatic assembly machine for electric igniters



Case shaker for filling workpiece carriers



Cap filling modules for primers



Loading machine (filling with detonator, powder, projectile)

FURTHER INFORMATION

www.fgb.de/en/defence/manufacturing-technology

ELECTRIC DRIVES FOR DEFENCE APPLICATIONS

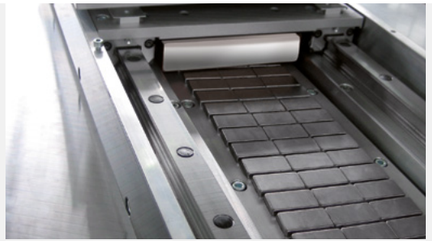
POWERFUL DRIVE SYSTEMS FOR SPECIAL REQUIREMENTS

We have **extensive expertise** in the **design, simulation/calculation, construction, manufacture, assembly and testing** of complex **drive systems** in the field of **military technology.** We supply **built-in motors and complete systems** for rotary and linear drives. In close cooperation with our customers, we turn ideas and concepts into initial prototypes and these into high-performance series solutions, manufactured in reliable quality and economically.

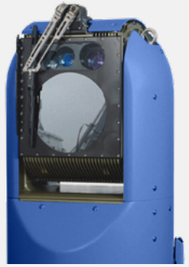
Our drive systems are used, for example, in **weapon stations, ammunition flow, directional systems, optronic platforms, guided missiles, winches, auxiliary and rudder drives (SubSea).** They impress with maximum reliability under the toughest operating conditions.



Rotary actuator as complete motor



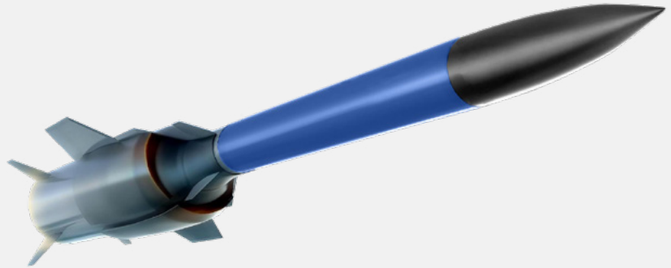
Linear drive



Actuators for sensor platform



Winch drive for helicopter transportation



Actuator for guided missiles

FURTHER INFORMATION
www.fgb.de/en/defence/e-drives

TEST BENCHES FOR DEFENCE TECHNOLOGY

TEST BENCHES AND COMPONENTS: ROBUSTNESS AND QUALITY

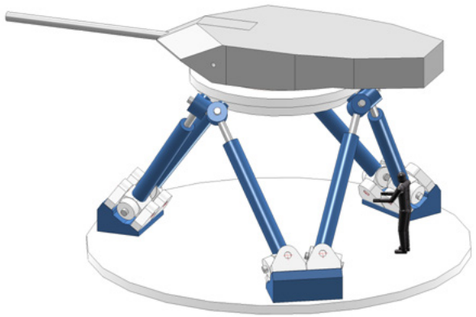
In demanding areas of application such as military technology, where **maximum accuracy and precision** are required under **extreme loads,** our test benches and components ensure the **functionality and fatigue strength** of your components.

In daily use, our products must do one thing above all: work reliably. To ensure this, you can use our test bench equipment to sound out the load limits of your systems and compare them with the **real stresses.** We offer you high-quality **test bench components and complete systems** for this purpose.

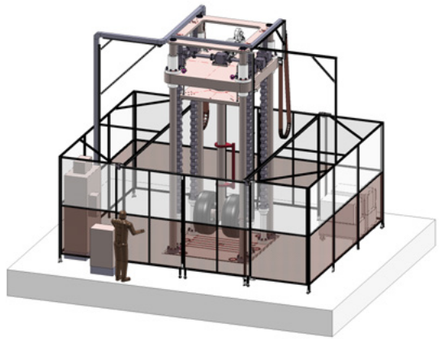
These usually consist of:

- **Actuators:** hydrostatically mounted cylinders and rotary actuators
- **Force load cells:** precision even under extreme loads
- **Control systems:** for safe test bench operation
- **Connection units and hydraulic power packs:** powerful and reliable
- **Mechanical accessories:** ball joints, cardanic joints, universal joints, rockers, brackets, load frames and safety fences

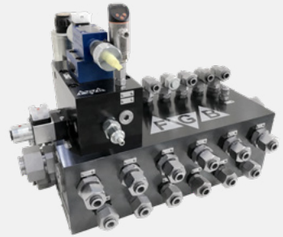
Put your system to the test with our components!



Function test stand for tank turrets



Nose landing gear test rig – aviation industry



Safety connection unit



Servo-hydraulic cylinder



Servo-hydraulic rotary actuator



Flexible load frame

FURTHER INFORMATION
www.fgb.de/en/defence/test-benches

EDDY CURRENT TESTING OF MILITARY PRODUCTS

EDDY CURRENT TESTING – MAXIMUM SAFETY FOR YOUR PRODUCTION

Our eddy current testing systems offer the greatest possible safety when testing the quality of your products. This **fast, non-contact** and **non-destructive testing method** allows you to **reliably detect material and process defects** during production.

With this technology, based on testing devices, probes and test coils, you can not only reliably carry out a mix-up test, but also ensure precise defect detection in electrically conductive materials.

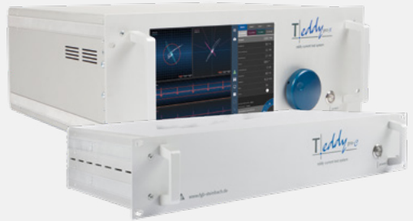
Our tailor-made **software for visualizing the test results** makes your test processes efficient and transparent. Rely on complete systems from FGB with full automation for maximum safety and quality.



Software for visualizing the test results



Automated testing system for casings



T|eddy pro
eddy current test system

Stationary devices for end-of-line testing



T|eddy one

Mobile device for use in the field/service

FURTHER INFORMATION
www.fgb.de/en/defence/eddy-current-testing

Safety in every mission
Defence systems for the highest demands



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