

A close-up photograph of a technician with a beard and safety glasses, wearing a black cap and work clothes, focused on a complex mechanical assembly. The technician is using a tool to work on a component that is part of a larger system, possibly a vehicle's engine or a piece of industrial machinery. The assembly features various hoses, connectors, and metal parts. The background is blurred, emphasizing the technician and the work being performed.

**alkitronic[®] – the torque technology manufactory
for extreme applications**



Why choose us

The alkitronic® brand stands for:



Quality:

Our products are engineered and manufactured in Germany



Experience:

Since 1984 we have assembled vast and exceptional experience in bolting technology



Manufactory:

We offer premium production with highest quality materials and standards



Service:

We provide you and your alkitronic® product with several customized services



Innovation:

We continuously invest in research and development for improvements and innovative technologies

About us

Engineering, manufacturing and distribution of high-quality and innovative products in the field of bolting systems – this is what alki TECHNIK GmbH stands for.

As a leading international company, located in Germany and operating in more than 60 countries worldwide, we have successfully developed and produced specialized bolting equipment since the early 1980s under the alkitronic® brand.

Our products

The alkitronic® product range is extremely diverse and offers solutions for your individual needs:

- Electric Torque Multipliers
- Battery-driven Torque Multipliers
- Pneumatic Torque Multipliers
- Hydraulic Torque Wrenches
- Manual Torque Multipliers

Our core industries

alkitronic® products are supplied to customers globally targeting a wide range of industries:

- Wind energy
- Steel construction
- Construction machinery
- Agriculture and forestry machinery
- Water/oil/gas/chemicals
- Food and beverage

We are also pleased to serve customers in building and construction, open cast-mining, railways and tracks, ship-building and offshore construction, etc.

Our customers

Our national and international customers and partners trust in the high quality of alkitronic® products for over 30 years such as Audi, BMW, Caterpillar, Komatsu, Liebherr, MAN, Siemens and ThyssenKrupp.



High product quality

Creation, design and distribution from a single reliable and highly experienced source with German state-of-the-art engineering.

- ✓ long product life by using high-quality materials such as aluminium
- ✓ high break resistance, stability and resistance guarantee a low risk of failure
- ✓ ideal force multiplier with a high reliability
- ✓ gives the tool the required robustness for the application in various industries
- ✓ lower running costs and maintenance requirements compared to plastic housing

Precision

All repeatedly measured torques of alkitronic® tools work extremely precise and show a max. deviation of $\pm 3\%$ within the range of the required target range.

- ✓ accuracy is constant with every single bolting connection
- ✓ fast and safe processing of bolting connections
- ✓ no reworking necessary, torque values are reliably reached

Efficiency

Our brushless motor guarantees high efficiency.

- ✓ creates a greatly reduced risk of failure
- ✓ provides no hidden costs for maintenance and repair
- ✓ guarantees a fast cost amortization
- ✓ smooth running at reduced noise level compared to brushed motor
- ✓ active regulation of drive rotation speed
- ✓ constant torque even at low battery levels - for battery tools

Intuitive design

The compact and innovative design guarantees an intuitive handling with a safe and easy menu navigation.

- ✓ use in restricted space
- ✓ no extensive training required
- ✓ simple 1-finger trigger operation for forward and reverse
- ✓ ergonomic and comfortable operation
- ✓ safe and health-conform operation, e. g. the 360° rotating EFCip handle prevents reaction forces being transferred to the operator

Permanent higher joint quality

Compared to ratcheting or impact wrenches the alkitronic® tools perform bolting connections by rotating continuously and applying the exact torque value, all in one work step.

- ✓ pretension force is reached with high accuracy
- ✓ quality of the bolting connection is greatly increased
- ✓ faster and safer than ratcheting bolting procedures





Digital connectivity

The digital connectivity of our alkitronic® products provides for an easy documentation (for our new generation models).

- ✓ bluetooth interface & transmission via alkitronic® APP
- ✓ documentation of the bolted joints

Safe and high-quality bolting by automatic motor-shut-off

Our alkitronic® electric torque multipliers switch off automatically as soon as the required/pre-set torque is reached. This provides you.

- ✓ pre-set torque values are precisely and reliably reached through an intelligent processor-controlled motor
- ✓ prevents overtightening of the bolting connection
- ✓ improved safety standards
- ✓ longer duration of the bolted connection



Worldwide and voltage independent use of alkitronic® tools

The brushed motors reach the torque via voltage control. Our brushless motors are current controlled (amps). This enables us to detect and compensate the temperature increase of the motor during operation.

- ✓ due to the built-in power supply in the EFCip and EF we can always achieve the same torque within a voltage range of 100 - 253V / 45 - 66 Hz.
- ✓ even with very long electricity extension cables, when the voltage drops, we have no loss of torque

Suitable for all weather conditions

The protection class IP 54 specifies the suitability of our electrical components for various ambient conditions, as well as the protection of human beings against potential danger during use.

- ✓ productivity and safety when working in moisture or dust/dirt conditions
- ✓ our tools are dust- and splashproof
- ✓ various fields of application

Service and training

Your plus for more service and training.

- ✓ technical advice on site
- ✓ training offers
- ✓ manufacturer's calibration and certification
- ✓ spare part and repair service

Do you need further information?

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EXTRACT FROM OUR PRODUCT RANGE



Electric Torque Multipliers



Pneumatic Torque Multipliers



Hydraulic Wrenches and Pumps



Manual Torque Multipliers