

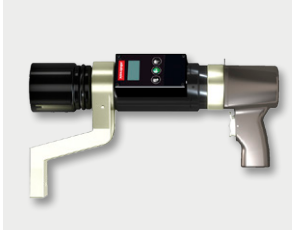
Mounting-Documentation-Systems (MDS) + APP

- High controllable torque output
- Guaranteed traceability and documented joints
- Repeatability in tightening – regardless of disturbances
- High mobility – independent of external power supply
- Torque- and angle sensor directly on the square drive
- Several preset programs
- Menu-guided, easy operation

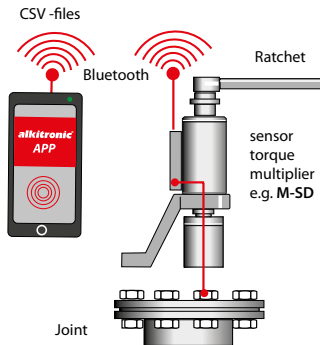
M-SD (manual)



PC-SD (pneumatic)



alkitronic® APP application diagram



alkitronic® APP

- For use in combination with alkitronic® M-SD and PC-SD
- Multilingual
- Simple operation
- Suited for iOS and Android smartphones
- Bluetooth interface
- International quality standards

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Development, Production and Distribution of Bolting Systems

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Product Range




**THERE ARE MANY TECHNIQUES FOR TIGHTENING BOLTS.
WE OFFER THE RIGHT TOOL FOR YOUR APPLICATION.**

- ✓ **ELECTRIC** (Electric Torque Multipliers)
- ✓ **PNEUMATIC** (Pneumatic Torque Multipliers)
- ✓ **HYDRAULIC** (Hydraulic Torque Wrenches)
- ✓ **MANUAL** (Manual Torque Multipliers)

There is no substitute for the perfect torque multiplier or hydraulic bolting solution. **Whether for assembly, production, or construction sites, one should apply the best possible way to obtain the ideal torque.**

Using alkitronic's universal bolting solutions program, you do not have to compromise performance, accuracy, efficiency, productivity, nor safety. **The unique quality of our solutions made in Germany gives you a leading edge in performance.**

 **MADE IN GERMANY**

alkitronic® XE-SERIES



THE ELECTRICS

Electric torque multipliers by alkitronic® are ideal for high torques, fast operating speeds, high precision, and tightening of many joints due to its fast speed. From 55 to 30,980 ft.lbs, the IP54 rating protects the tool against moisture and dust. Up to 4,425 ft.lbs, the alkitronic® EB-S (battery-driven) is portable and always ready for use.

alkitronic® XP-SERIES



THE PNEUMATICS

Forget impact wrenches with a torque setting! Unlike impact wrenches our tools need no hammer mechanism. They rotate continuously. This produces greater bolted joint accuracy and longer tool life. Also for use in hazardous areas! Up to 35,855 ft.lbs.

alkitronic® XH-SERIES



THE HYDRAULICS

Hydraulic wrenches are ideal when heavy bolt connections with large threads need to be tightened with great force in areas difficult to access. Torques up to 61,220 ft.lbs. Also they are safe for applications in areas exposed to explosion hazards. Our fast hydraulic pumps speed up your work flow and thus save you time and money.




alkitronic® XM-SERIES



THE MANUALS

Manual torque multipliers by alkitronic® replace hazardous and inaccurate impact wrenches, pipe extensions and other inadequate tools. An anti-wind-up ratchet prevents a backwind when tightening. This is designed for safer tool operation. Torques from 147 to 36,880 ft.lbs.

<p>EB-S (with battery)</p>  <p>From 90 to 4,425 ft.lbs. Bolting programs. Bluetooth. Documentation of bolted joints.</p>	<p>EAF (with battery)</p>  <p>Battery driven 2-speed torque multiplier, up to 4,430 ft.lbs, fully-automatic release function.</p>	<p>EAF-N (with battery)</p>  <p>With extensions for applications i.e. on deep rims.</p>
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<p>EF-S / EF-A</p>  <p>From 315 to 30,980 ft.lbs. Bolting programs, Bluetooth. EF-A = angled version.</p>	<p>EC-S / EC-A</p>  <p>From 55 to 4,800 ft.lbs. Bolting programs, Bluetooth. EC-A = angled version.</p>	<p>R / SG</p>  <p>For bolting connections on plate heat exchangers.</p>
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In 1984, company founder Albert Kipfelsberger invented and patented the electric torque multiplier. Immediately it demonstrated major advantages over hydraulic torque wrenches.




- Greater **accuracy due to automatic motor shut-off** and extremely high rundown speed
- **Repeat shut-off accuracy ± 2%**
- Torque tools with brushless synchronized motor creating a **greatly reduced risk of failure** and maximum flexibility
- Models with protection class IP54 **immune to dust and rain**
- Tools usable in all international main grids (100-253 V / 45-66 Hz) **with constant torque precision**
- Master quality boltings according to the torque/angle procedure
- For user-specific applications, **the manufacturer can activate optional modular software**
- **Bluetooth interface** for communication or documentation of the bolted joints (via alkitronic® APP)

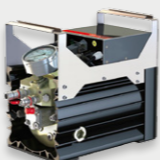


<p>PC-F</p>  <p>From 55 to 2,555 ft.lbs. Fast and compact.</p>	<p>PC-F2</p>  <p>From 90 to 35,855 ft.lbs and power gear.</p>	<p>PC-S</p>  <p>From 225 to 7,225 ft.lbs. Comfortable and rotating.</p>
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<p>PV-F</p>  <p>For 1-4 torque multipliers, up to 2,580 ft.lbs. With remote control.</p>	<p>PC-R</p>  <p>For bolting connections on plate heat exchangers.</p>	<p>PC-N</p>  <p>With extension for low-lying joints.</p>
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Pneumatic torque multipliers by alkitronic® offer far more than impact wrenches or ratchet hydraulic wrenches. During the bolting process, they rotate continuously without any hammer or ratchet mechanism. Tightening the components is thus made smoother, faster and more accurate.

- Torque accuracy is considerably higher than that of impact wrenches
- Compact design and the cast aluminium housing ensure high strength
- High-performance gear ensures fast operation speed
- Simple one-finger rocker switch ensures a more comfortable operation
- All pneumatically driven torque multipliers can be EX certified upon request (II 2 G D c IIB T6)
- Optional: noise reduction filters, 2 speed tools, assembly, etc.

<p>H-AT</p>  <p>Up to 53,100 ft.lbs.</p>	<p>H-AX</p>  <p>Up to 35,650 ft.lbs with interchangeable hexagon link.</p>	<p>Norwolf X Driver System</p>  <p>Up to 61,220 ft.lbs with interchangeable hexagon link.</p>
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<p>Pump NOVA</p>  <p>Electric driven hydr. pump up to 10,000 psi, max. 915 cu.in./min.</p>	<p>Pump VELOX</p>  <p>Electric driven hydraulic pump. Up to 10,000 psi.</p>	<p>Pump LEVA</p>  <p>Electric driven hydraulic pump up to 10,000 psi. Small, low weight, reliable - ideal for service use.</p>
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Hydraulic wrenches are sometimes the first choice for certain industrial bolting applications; i.e. in restricted and difficult to access bolt connections. Our wrenches and pumps offer:

- For bolting applications that require powerful performance in tight spaces, the flat design is made to fit in small spaces without sacrificing power. This gives you better accessibility, better power, and reduced repair costs
- Due to trouble-free reaction, torque accuracy is achieved without interference by lateral forces
- Fast and simple changing of the hexagon link ensures flexible tool operation
- The hydraulic pumps are extremely robust and handle high work rates
- Integrated motor protection prevents overload damages
- Electric pumps NOVA, VELOX and LEVA can be used worldwide in all power supplies

<p>M-HG</p>  <p>From 147 up to 36,880 ft.lbs. Equipped with anti-windup ratchets.</p>	<p>alkitronic® Norwolf Missing -/XCE Link</p>  <p>Missing Link up to 3,600 ft.lbs. Uses ratchet or non-ratchet wrenches. Accurate - operates using levers, not gears. XCE Link up to 7,200 ft.lbs.</p>
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<p>Flange Buddy</p>  <p>Ideal for separating of piping for inspection works/maintenance. Easy and absolutely safe mechanical separation of piping flanges.</p>	<p>Accessories Standard</p>  <p>Flexible solutions for your applications.</p>
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alkitronic® and Norwolf manual torque multipliers replace impact wrenches, pipe extensions, and other inadequate and hazardous methods of torque tightening. They are superior to ordinary torque wrenches.

Feel the difference!

- High level of operation safety
- Low energy input, accurate transfer of high torque. No energy source needed - "Manpower" is enough!

M-HG

- Robust power gear for highest possible operational demands; produced in a chipless precision process (casting)
- Precision anti-wind-up ratchet for efficient operation with very short movements and short assembly time
- Integrated shearing pin prevents input overload

XCE Link

- Continuous rotation for use with any electric or pneumatic driven torque multiplier
- Robust, low-wear, long service life