

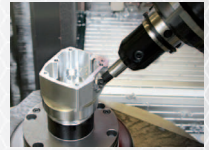
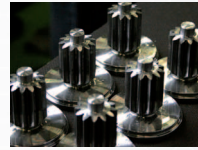
**LÖSOMAT** 

Member of the **GEDORE**  Group

# *Company, Products, Services*



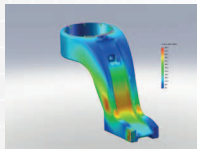
# Your specialist in high level torque bolting technology



## From pioneer to high-tech centre

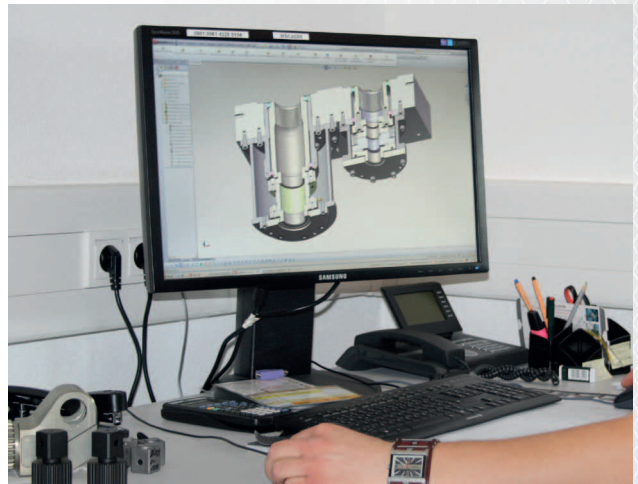
The brand LÖSOMAT has represented quality and innovation in all branches of bolting technology for 40 years. Production based in Germany on state of the art machining centres ensures excellent quality and precision in our torque wrenches.

The difference is quite simply in the detail. LÖSOMAT is Made in Germany.



## We develop the torque wrenches for your future

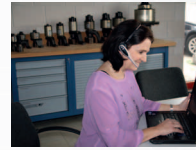
Our specialists develop your torque wrenches with state of the art construction and analysis methods (CAD/CAM/FEM). If a suitable solution is not available in our product range, we can design a specifically customised solution for you. Your applications are our challenge.



## Precision testing before release

In our in-house test laboratory, all dynamic devices are precisely measured and configured before they are sent to you. The torque deviation is usually significantly under 3% for identical bolting operations. The individual LÖSOMAT factory calibration certificate is the proof that is required by every QM system as per DIN EN ISO 9001:2008.





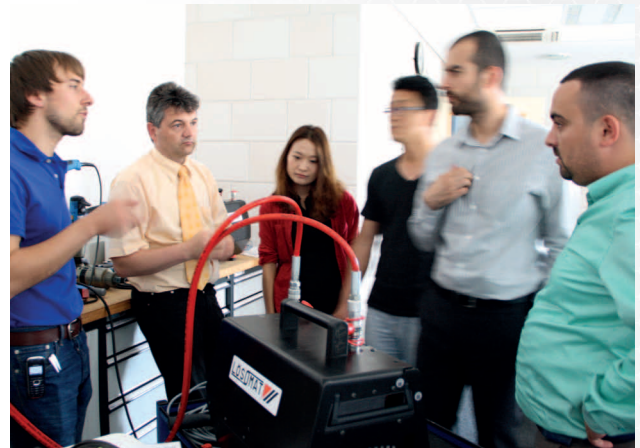
### Always the right solution for you

Our experts can advise you on site and analyse your application case together with you in order to offer you the appropriate system. Our extensive range of products offers you a professional solution.



### Inhouse training

We offer safety instruction and training courses for you in our in-house training centre. Every participant is subsequently issued with a certificate as verification of training.



### Financing

The best solution for you counts. We will be happy to consider your wishes and ideas with regards to the contractual arrangement. In order to provide you with flexibility, we can offer various options when purchasing our products, from leasing to paying by instalments.





## Cordless Torque Wrench

90 – 4.000 N·m



### Series LDA, LAW

#### Innovative, independent, awarded

The world's first Cordless Torque Wrench for applications up to 4.000 N·m allows fast and flexible use in the most diverse of bolting applications. Doubly patented bolting control and Li-Ion battery technology ensure powerful and enduring operation.

A unique safety system and microprocessor electronics, coupled with the new high-power gear unit make it into a genuine highlight in your machine inventory.



## Electric Torque Wrench

90 – 13.000 N·m



### Series LDE, LEW

#### Proven, consistent, convincing

The Electric Torque Wrench is the classic amongst the heavy-duty torque wrenches. It is a very welcome assistant for innumerable bolting jobs.

The new generation has an even more rugged high-power gear unit. Precision torque control, repetition accuracy and long life are just some of its strengths. With correct handling and care, a life of 20 years is not uncommon for a LÖSOMAT Electric Torque Wrench.

Every Electric Torque Wrench is supplied with an individual factory calibration certificate.



## Side Power Wrench

850 – 4.800 N·m



### Series LES, LPS

#### Space-saving, rational, special-purpose

The LÖSOMAT Side Power Wrenches make it child's play to secure and dismantle plate heat exchangers. The slim, lightweight design allows access to the most confined spaces without any support problems.

The LÖSOMAT Side Power Wrench is available with electric, pneumatic and cordless power systems.



## Hydraulic Torque Wrench

60 – 27.000 N·m



### Series LDH, LDK

#### Compact and easy to handle

LÖSOMAT Hydraulic Torque Wrenches are flexible and rugged. The new single-handed hydraulic coupling adds a labour-saving convenience.

The torque wrenches are compatible with a wide range of Hydraulic Units. They perform best, however, when paired with the matching LÖSOMAT Hydraulic Units.

The Hydraulic Torque Wrenches are available as Square Drive and Cassette Torque Wrenches.



## Hydraulic Units

800 bar



### Series LHU

#### Modular, powerful, documentable

With up to 800 bar output the LÖSOMAT Hydraulic Units give your torque wrenches the power for every bolting application.

The completely sealed housing protects unit and operator even in the roughest of applications. A novel, patented cooling air supply provides lubrication even under extreme loads. Wear-free pump technology means that the unit is maintenance-free.

Sensors are installed fully in the unit, not in the hydraulic torque wrench. This makes the unit compatible with all hydraulic torque wrenches (dual-hose system).

### Modular Hydraulic Units

LHU series Hydraulic Units can be built up in modules. Depending on your requirements, you can choose from the following modules:

- Strength-controlled tightening process SGA
- Documenting-module TRACK
- and much more.

#### Manual control – M

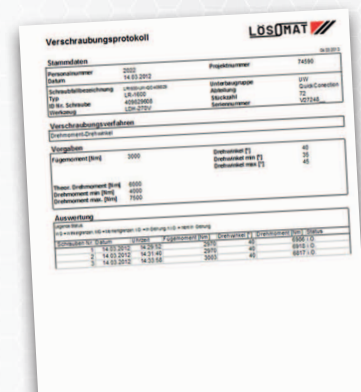
The classic, semi-automatic control system enables the user to manually initiate every stroke of the hydraulic torque wrench. The return stroke is automatic.

#### Automatic control – A

The bolting operation is started by pressing a button, then automatically implemented and ended in the automatic control mode.

#### Modular control – Solution

The Solution control system is modularly expandable. All settings can be configured and bolting operations documented via the display.







### Pneumatic Torque Wrench

80 – 12.800 N·m



#### Series LPK, LPK-X

##### Rugged, lightweight, fast

The Pneumatic Torque Wrench is an additional alternative in high level torque bolting technology. In conjunction with the LÖSOMAT air control unit, this torque wrench produces continuously high performance and precision in bolting applications.

The ergonomic, 360°-rotating pistol grip with easy right-left changeover, makes it extremely convenient to use.



### Counter Wrench

RSW 32 – 115 mm



#### Series LKS

##### Frequently copied – but never matched

Patented in the eighties, the LÖSOMAT Counter Wrench is the ideal tool for counter-holding any bolted connection.

The simple unlatching mechanism relieves the reaction forces after tightening, providing a safe, simple way of avoiding serious work accidents.



### Torque Multiplier

500 – 54.000 N·m



#### Series LKV

##### Easy, reliable, independent

The proven technology for a wide range of applications in installation and repairs in a new, revised form. The key features of the LÖSOMAT Torque Multiplier are the small gear unit diameter with high force transmission.

Each unit is provided with a torque setting table, that takes account of the gearing ratio and the high efficiency of the gear unit.



### Gate Valve Wrenches

bis DN 1.000 mm



#### Series LDE-S, LDA-S, LPK-S

##### The easy way to open gate valves

Gate Valve Wrenches can be operated with cordless, electric and pneumatic drive systems. They have the capacity for opening gate valves up to DN 1000 mm.

The comprehensive range of accessories provides the right solution for every gate valve.



## Torque Testing Bench Technology – Measuring Systems



### Series LDP

100 – 15.000 N·m

#### The professional stationary test environment

The LÖSOMAT Torque Testing Bench Technology, has already been in use for many years in our own LÖSOMAT test laboratory. Special feature: The simulation of the bolting case takes place on the original bolt. With this technique it is possible to simulate special bolts. With the Torque Testing Bench, Torque Wrenches can be tested static and dynamic without rebuilding the system.

The LÖSOMAT Test-Software is modular developed and can be adapted individually.



### Series LTC

100 – 5.000 N·m

#### The mobile outdoor solution

The LÖSOMAT Torque Check is ideal when torques have to be tested on site.

Using display software the user gets immediately informed (e.g. at spot checks) if the torque is precise within predefined limits. Also here the simulation of the bolting case takes place on the original bolt.



## Customized special applications



### Series LDB

#### Quick, consistent and repeatable

The battery-operated railway torque wrench was developed by the LÖSOMAT company in cooperation with the DB Bahnbau Gruppe [Railway Construction Group]. The idea was to design a power wrench for track and points repair, which is small and lightweight on the one hand and precise and exhaust-free without restricting power on the other.

#### LÖSOMAT's total solution replaces three tools

- › The classic power wrench
- › The impact wrench
- › The sleeper drill



## Contact us – we will be pleased to advise you



Do you need more information about our tools? Order our catalogue now.

Or arrange an appointment with our experts.

Telephone +49 (0) 7042 / 9441 - 0



*Further questions?*

*We are happy to help you:  
Tel. +49 (0)7042 / 9441-41*

Please contact us:

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