

## About EKM Jena GbR

EKM Jena GbR, Moritz-von-Rohr-Str. 1a, D-07745 Jena, Germany



The company of EKM Jena GbR was set up by Armin Hufe and Georg Nolte as a spin-off in connection with the reorganization of OKM Optische Koordinatenmesstechnik GmbH as Mahr OKM GmbH and the takeover of the ULM product series by Mahr GmbH of Göttingen.

### EKM Jena GbR

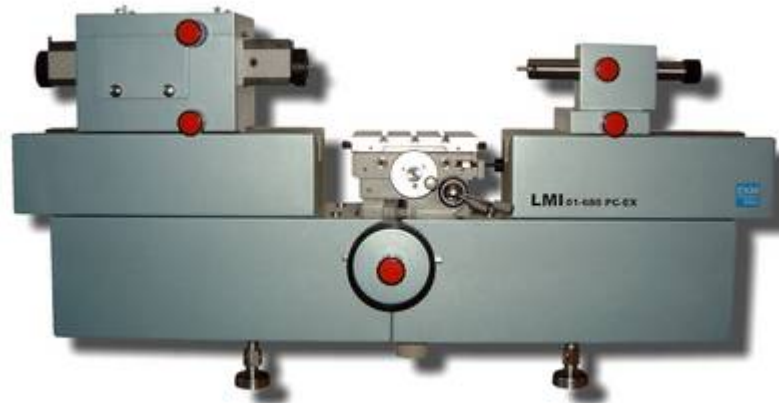
is managed by **Armin Hufe**, former OKM product manager for the ULM series, and **Georg Nolte**, who formerly developed OKM's measuring software (ULM-S, ULM-W, EKM-W, EKM-W32, EKM-NT).

EKM Jena is an independently owned company, in which the Mahr Group has no interest.

Doing business in **Germany as well as worldwide**, we have meanwhile established active contacts with over 250 companies in Europe, America, Asia and Australia.

### Our current portfolio includes the following products:

- **Universal Length Measuring Instrument LMI 01-400/680/1000 PC**



These instruments are members of a new generation of Universal Length Measuring Instruments based on the former ULM 01-600 C and ULM 01-600 D. **They can be used for measuring** plain gauges (cylindrical plug and ring gauges, taper gauges, snap gauges, ...), thread gauges, indicating measuring tools (micrometers, dial gauges, indicators, bore gauges, ...) and for testing high-precision parts, like diameters of measuring balls, bearings, parts of transmission

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shafts as well as diameters between/over balls/pins on gears and gear gauges with straight and involute profiles.

These instruments are equipped either **with a readout unit or with a PC** with PC interface card. and our new, efficient LMI-MS measuring software.

The combination of our LMI instruments with the LMI-MS software and **On-line Temperature Compensation** allows measurements with an **uncertainty as small as 0.1  $\mu\text{m}$** .

### – LMI-MS Measuring and Tolerance Software



This software package contains **Measuring Modules** for different measuring objects like gauges, indicating tools, precision parts and other workpieces. The operator is supported during all measurement procedures so that even complicated objects, e.g. taper threads and gears, can be measured accurately after a short training period.

Additionally available are many **Tolerance Libraries** in accordance with DIN, ISO, EN, ANSI, ASME, JIS and BS.

The measurement results can be printed and stored as a measurements record as well as submitted by **Software Interfaces** to other management systems.

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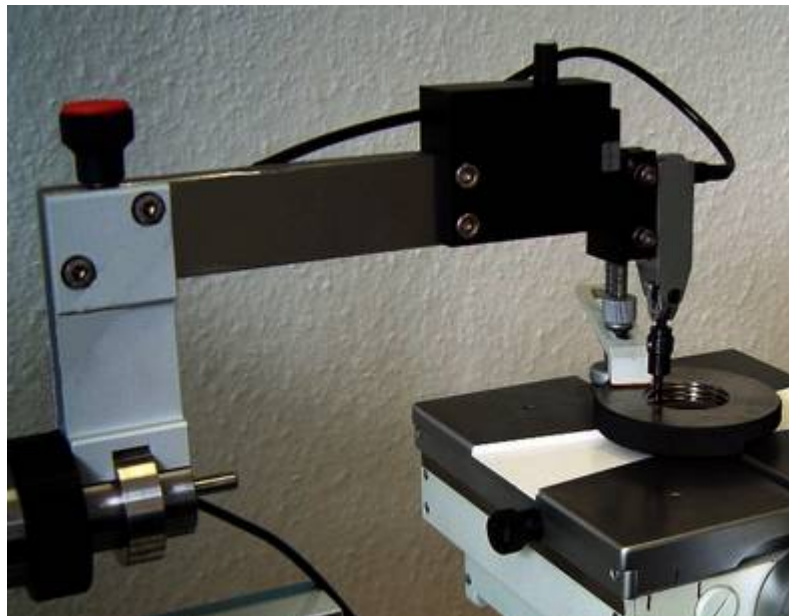
The LMI-MS software is being constantly advanced and expanded according to customer requests and new technical requirements.

The various software versions ULM-S, ULM-W, EKM-W, EKM-W32, EKM-NT delivered by ZEISS, OKM and Mahr can be replaced by **Updates** without problems.

For international use, the LMI-MS software is provided in nine languages at present.

### – Accessories and Spare Parts

We develop, manufacture and supply **New Accessories** for Universal Length Measuring Instruments, e.g. for cylindrical and taper threads, plain tapers, gears and bore gauges.



We deliver all **Spare Parts** for Universal Length Measuring Instruments, models ULM/OPAL/RUBIN from ZEISS, OKM and Mahr, e.g. thread measuring balls and wires, contact tips, measuring inserts, T-styli, measuring arms.

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We offer the following **Services**:

- **Maintenance, Calibration and Setup** of ULM, OPAL, RUBIN, ABBE, LMM and ULMM length measuring instruments as well as Toolmaker's Microscopes and ZKM Microscopes of early or late design.

For this, a service engineer authorized by an accredited DKD calibration lab is at our disposal. He has long-standing experience in the maintenance and calibration of these and other coordinate measuring machines.

- **Training** on ULM und ABBE Universal Length Measuring Instruments

We will gladly share with you our experience gained over years of activity in this field, to enable you to perform your daily measurement jobs still more effectively.

- **Advice and support** for the operation of equipment and software

We are pleased to help and support you in case any malfunction or problem should occur with your ULM equipment or your ULM-S, EKM-W, EKM-NT or LMI-MS measuring software. Depending on the problem, we will render support by phone or E-Mail or send our specialist to your facility.

- **Expanding the field of Application** of Universal Length Measuring Instruments, and **Customizing** services

For mechanical development we collaborate with the former designers of the ULM and ZKM series.

- **Digitalization and Modernization** of older ULM Universal Length Measuring Instruments, Toolmaker's Microscopes and ZKM Instruments

We can carry out the digitization and modernization of older instruments: **ULM450** and **ULM 02-600** (with optical measuring system), **ULM 01-600 C/C1** (with AE 100/AE 101 digital readout), **ULM 01-600 D** (with Heidenhain digital readout), **ABBE Vertical**, **ABBE 01-600 C**, **ABBE 200**, **WEMI 01-150**, **WEMI 01-150 C**, **ZKM 02-250** and **ZKM 01-250 C/D**.