

New ZLaseR Oil+Air minimal lubrication system with real-time measurement of the lubricant

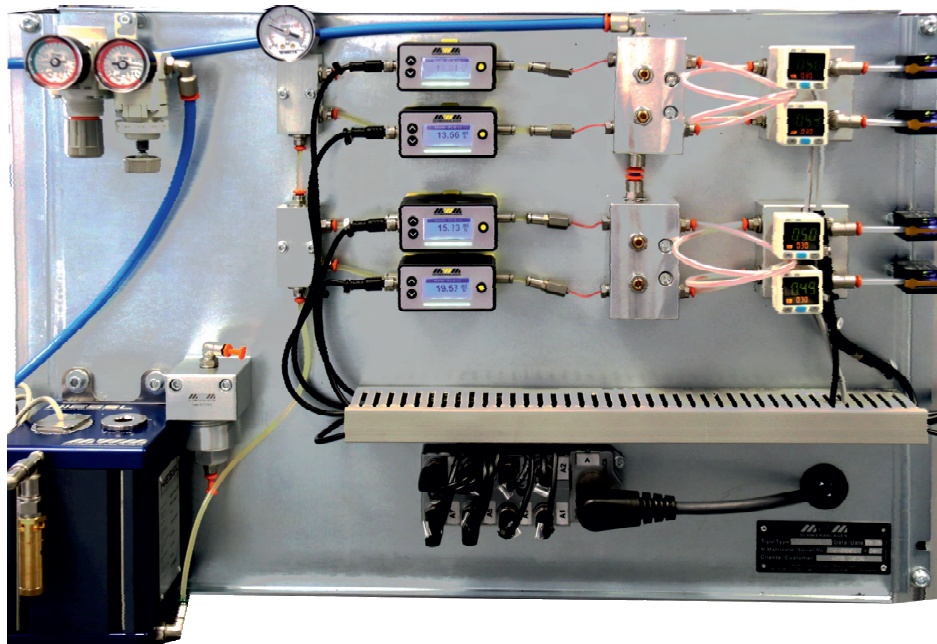


- MWM present the world's first oil+air minimal lubrication system with instantaneous measurement of lubricant flow rate
- The laser sensor IFL flowmeter enables immediate measurement of micro-flow rates of liquids
- The system is designed for oil+air lubrication in high-speed rolling bearings.

The microflow sensor IFL sets new standards in minimum quantity lubrication for mechanical components such as high-speed bearings for machine tool spindles and motors.



The sensor is based on laser interferometry technology, it can measure extremely low flow rates as low as a few drops of oil per hour with extreme accuracy.



Key Benefits:

- Reliable oil+air monitoring
- Early detection of lubrication faults
- Real-time and continuous monitoring of oil flow rate, min. and max. pressure for each lubrication point
- Protection against damage caused by over - and under - lubrication
- Programmable control thresholds for different applications
- For all bearing types, minimum oil flow rate: 100 mm³/h
- Suitable for continuous monitoring of oil flow and detection of lubrication failure
- For oil-air lubrication of all types of high-speed bearings



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