



Temperature Measuring System TG81

Temperature under control – the temperature measuring system TG81 has been developed for determination of the workpiece temperature simultaneously during critical machining time. Sensors, integrated into the clamping device, detect the current workpiece temperature which is then transmitted wirelessly to the machine control. On the basis of this data, NC-controls can calculate compensation values and enter them directly into the machining process. Application areas are dry processing or the machining of workpieces with strongly fluctuating entry temperatures.



Temperature Measurement



Radio Transmission



Mass Production



Temperature sensor and transmission unit



Interface IF48

The IF48 is a data interface for measuring systems of BIUM. It conducts measurements, carries out the analysis of the measured values, displaying it clearly. Further options are the storage, statistical evaluation and visualisation of the results. Additionally, it enables an automatic process control by transferring measurement and compensation values to the machine control.



Connection via Profi-Bus or Ethernet, etc.



Integration of sensors (temperature, workpiece position, clamping pressure) in the workpiece clamping device. Wireless data transmission via BRC-Technology.

Measuring computer with touch screen



Managing test plans with up to 40 features



Process automation and process control



Q-DAS data export