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Product Name :
Cutting Forces During Turning

Product Code :
LBNY-0005-10900028



Description :

The forces that act on the lathe tool during machining are measured in three directions: cutting force, feed force and passive force. The 3-component force measurement device uses a strain gauge system. Investigation of cutting forces during turning is fundamental to the teaching of cutting techniques. The set-up comprises a transducer, which also holds the lathe tool, and an amplifier unit with digital displays. The well-structured instructional material sets out the fundamentals and provides a step-by-step guide through the experiments. The amplifier unit supplies the strain gauge bridges and displays the measured values on three digital displays. The experiments must be conducted in a workshop environment, as a suitable lathe is required.

Technical Specification :

Transducer with splash-proof housing
Strain gauge amplifier unit with 3 digital displays for forces
3-Component force measuring device for cutting experiments during turning
Lathe tool holder implemented as transducer with strain gauge system.



Laboratory Instrument India

