POWER-CHECK 2 // POWER-CHECK MAGAZINE

TRUST IS GOOD.
MEASURING IS BETTER.

LONG-LIFE
CLAMPING
TECHNOLOGY
INSIDE

OTT JAKOB
Spanntechnik

TOOL PULL FORCE

Tool pull force is an essential factor in machining quality, machine availability and process reliability. If the force with which the tool is pulled into the spindle taper falls below a predefined threshold unnoticed, the consequences can be far reaching and expensive:

PRODUCTION WASTAGE
Vibrations leave behind scuff marks on the workpiece from the machining process.

TOOL WEAR
The lifespan of a tool is shortened by increased wear and breakage.

SPINDLE DAMAGE
Micro-movements can cause bearing damage and spindle taper corrosion.

MACHINE DOWNTIME
Errors and repairs caused by insufficient pull force can cause unscheduled downtime.

SAFETY RISK
The risk of injury to the operators increases.

POWER-CHECK 2 – **TRUST IS GOOD. MEASURING IS BETTER.**

With Power-Check 2, OTT-JAKOB is providing reliable, highly precise testing technology designed to monitor the tool pull force of a clamping system. Regularly used, the intelligent measurement device gathers status information, which makes it possible to identify a loss of clamping force at an early stage. Power-Check 2 is compatible with all tool standards and clamping systems from all manufacturers.

LONG-LIFE CLAMPING TECHNOLOGY INSIDE

Features

- Exchangeable adapters for all common taper standards
- Adapters featuring a gripper groove for use within the tool magazine available
- Automated mode for self-activation when tools are changed
- Energy-saving mode for an extended battery life
- Adjustable sleeve to simulate tool tolerances
- Can store data for up to 4,000 measurements
- LED display for measurement data
- USB port for data readout and battery charging
- Software for logging and processing measurement data

POWER-CHECK 2

CONFIGURATIONS

Size	Possible interfaces
- 5 kN	SK 10–25 // HSK 20, 25
- 20 kN	SK 30, 40 // HSK 32, 40, 50
- 75 kN	SK 50 // HSK 63, 80, 100
- 200 kN	SK 60 // HSK 125, 160

WIRELESS MODULE*

Power-Check 2 can be fitted with an optional wireless module for permanent use in the tool magazine. The wireless module seamlessly transmits measurement values to OTT-JAKOB receiver units.

POWER-CHECK MAGAZINE* – **READY FOR INDUSTRY 4.0**

The Power-Check Magazine was designed for continuous, fully automated operation within the tool magazine, which means it is predestined to be integrated into an Industry 4.0 environment. The device runs on a long-life battery which lasts for up to 30,000 measurement processes. The measurement data is transmitted to OTT-JAKOB receiver units over a wireless connection.

RECEIVER UNITS*

Power monitor
- Receives, stores and displays measurement data
- Can be powered by batteries or the mains

USB radio stick
- Its software displays measurement values on PCs and laptops
- Can export data

RS485 bus antenna
- Connects to the machine control system
- Value output in digital and analogue format

* Not available in every country

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