



Measuring Machine »edgeControl«

Detects and measures wear marks and defects along the cutting edge fully automatically

Highlights

- Reliable
Detects even small perforations on the cutting edge
- Non-contact
Precise inspection that doesn't damage tools
- Traceable
Seamless documentation of all measuring results
- Flexible
Wear evaluation at the clearance angle and in the chip space, evaluation table with measurement data
- Suitable for workshop use
Robust, space-saving construction

Software



Modern design and even more features: The software for all-inclusive tool measurement

»pilot 4.0«

- Graphic rich, self-explanatory user interface
- All features are easily accessible
- Large click and touch areas
- Photorealistic input interface
- Dynamic crosshairs
- Self-explanatory function keys
- Automatic cutting edge shape recognition
- Automatic zero point monitoring
- Clear and precise cutting edge display and inspection
- Tool and adapter management
- Tool identification
- Test report output
- Data transfer to the machine tool and interfaces to external systems

and many other functions and options

► more

Technical data

»edgeControl«

Max. tool length	Max. tool Ø (with / without swivel mechanism)
600 mm	– / 100 mm
Max.snap gauge Ø	Number of axes
100 mm	5
Weight	
1.400 kg	

Note: Using adapters and attachment holders can reduce the indicated measuring range in some circumstances.

»edgeControl« with 3D sensor handles this challenging task

Would you like to supply your customers with 100% quality and / or sharpen them efficiently and therefore need to quickly and precisely identify breakouts or wear on tool cutting edges? The universal measuring machine »edgeControl« detects tool breakouts on all cutting edges quickly and fully automatically. The 3D sensor takes on this demanding task. The sensor is automatically aligned to the cutting edge and the cutting edges are digitized in 3D including simultaneous path control of the axes. The subsequent analysis of the 3D model is also fully automatic and can be influenced manually if required. The »pilot 4.0« software automatically detects the greatest wear on cutting edges, calculates it and exports the data to the grinding machine in a control-appropriate manner. Your tools are optimally ground and achieve longer life cycles. This increases quality and resource efficiency.

