

Tool Dynamic 2002
TOOL HOLDER
BALANCING SYSTEM

Productivity depends on perfectly balanced tool holders.



The consequences of unbalanced tool holders are:

- Load on the spindle bearing, leading to expensive repairs
- Reduced cutter and tool holder lifetime
- Low productivity
- Poor workpiece finish
- More scrapped parts

Tool Dynamic 2002 Comfort

If you want to use Tool Dynamic frequently and keep balancing times as low as possible, you should decide on Komfort. It's equipped with PC, keyboard, and screen.

Tool data can be entered faster and the large screen shows exactly where and how to remove the unbalance.

Perfect balance is easy.

The Tool Dynamic 2002 is a modular balancing system specifically designed for tool holders. It makes balancing simple. The system can be quickly implemented because it's so easy to use, and is cost-effective and highly accurate.



The Tool Dynamic 2002 is easy, fast, and cost-effective – the perfect balancing system for tool holders, grinding wheels, and rotors.

The advantages:

- 3 versions offer a perfect solution for every need
- Flexible upgrade path due to modular construction
- Balancing in 1 and 2 planes
- High-precision unique adapter system with automatic clamping (similar to a milling machine)
- Excellent price/performance ratio
- Easy menu-driven PC interface
- Unbalance correction by drilling, milling, balancing rings, and weights
- Storage of tool data for 5,000 tools
- Clearly indicates if balancing tolerance has been reached
- Optical indexing aid: actual position of unbalance always visible on screen
- Optical laser marking of unbalance directly on the tool
- Input of balancing tolerance in balancing quality grades (G or Q)
- Force-measuring vertical balancing machine
- Permanent calibration: One single durable calibration for all tools
- Excellent measurement accuracy and repeatability
- User's guide in various languages
- Easy service due to modular construction
- Index-measuring or with spindle-compensation
- Calibration function for testing equipment control according to ISO 9000 ff
- Error diagnosis
- Density function for materials of different specific weight
- Balancing of grinding wheels



Edit tool data



Result of measurement



Manage tool data

Tool Dynamic 2002 Economic Plus

For long and unsymmetrical tool holders; checks static and couple unbalance. Unbalance problems of this type can't be solved without dynamic measurement in two planes.

Operation by an integrated keyboard and screen, which are designed to be intuitive. The Economic Plus also has an integrated drawer for accessories.



Tool Dynamic 2002 Economic

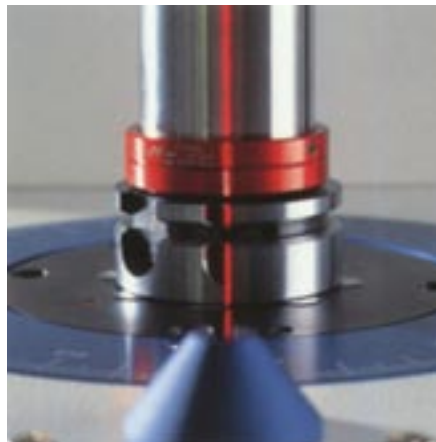
Designed with an adapter system for all types of tool holders. Measurement in one plane (static).

Designed for short tool holders with low couple unbalance. Easy operation with integrated keyboard and screen.

Tools



Calibration tool for calibrating the balancing machine, consisting of positioning tube and calibration weight.



Laser marking of the exact position of the unbalance on the tool.



Adapter with clamping system for HSK.



Balancing rings for quick and repeatable balancing on the balancing machine.



Adapter for grinding wheels.

- Adapter** for steep taper, SK 25 to SK 50
- Various clamping systems
 - Clamping with retention knob
 - Clamping without retention knob

- Adapter** for HSK 25 to HSK 100
- With automatic clamping system
 - All forms A to F

Specifications

	Economic	Economic Plus	Komfort
Dimensions w x h x d	500 x 1500 x 820 mm	500 x 1500 x 820 mm	1100 x 1500 x 820 mm
Weight	ca. 400 kg / 882 lb	ca. 400 kg / 882 lb	ca. 400 kg /
Spindle Speed	882 lb		
Measuring Accuracy	300 - 1,100 rpm	300 - 1,100 rpm	300 - 1,100 rpm
Power Requirements	< 0.5 gmm	< 0.5 gmm	< 0.5 gmm
Power Usage	230 V / 50-60 Hz	230 V / 50-60 Hz	230 V / 50-60 Hz
Compressed Air	0.4 kW	0.4 kW	0.4 kW
Maximum Tool Length	6 bar / 87 psi	6 bar / 87 psi	6 bar / 87 psi
Maximum Tool Diameter	400 mm	400 mm	400 mm
Maximum Tool Weight	350 mm	350 mm	350 mm
	30 mm	30 mm	30 mm