

## Modernisation package CAB 920 For horizontal and vertical universal balancing machines



- Easy and ergonomic operation with user guidance and correction instructions
- Clear and understandable dialogue screens on the TFT colour display with convenient touch-screen operation
- Interactive direct entry windows – no keyboard or mouse required
- Suitable for all common correction procedures: drilling, milling, fitting of weights
- The e-mode simplifies the operation on two dialogue screens: entry of the rotor data and results mode with correction instructions
- Report design with incorporation of graphic elements

### Range of application

The CAB 920 is the innovative further development of the legendary CAB measuring systems from Schenck. The focus of the development was on the easy and reliable operation of even the most complex processes and procedures. Avoid faults, speed up procedures and once more significantly improve the quality of your balancing – all this is possible with the CAB 920.

### Functions

- Measure dynamic unbalance in 2 planes, the static unbalance and the couple unbalance
- Automatic tolerance comparison
- Vector and numeric display
- Display of polar or in equally / non-equally distributed components
- Averaging of the measured values over time, rotor type related
- Single compensation, key compensation, index balancing
- Tolerance calculation according to ISO 1940
- Definition and storing of type-related balancing procedures for simplification of complex work sequences
- automatic self-test

- Efficient, fully digital measured data processing for highest measurement accuracy
- Balancing protocol in PDF format

### Speed range

100 to 5.000 rpm, optional up to 100.000 rpm

### Delivery contents (Extract)

- Measuring unit CAB 920 with Touch Screen Display build into a housing for mounting on existing cabinets
- Measuring module MMD for connection of vibration pickups and reference sensor
- Front side USB interface for data export, etc.
- Cable set for actual Schenck „plug system 3“
- Adapter cable from actual Schenck „plug system 3“ to „plug system 1“
- Technical documentation on CD-ROM with operator manual of the measuring unit and electrical connection plan, adapted to the existing machine (as far as possible)

For machines with belt drive:

- Optical reference sensor SR 19 for scanning reflective angle reference marks

A large industrial balancing machine with a prominent rotating drum and various mechanical components, set in a clean, industrial environment.

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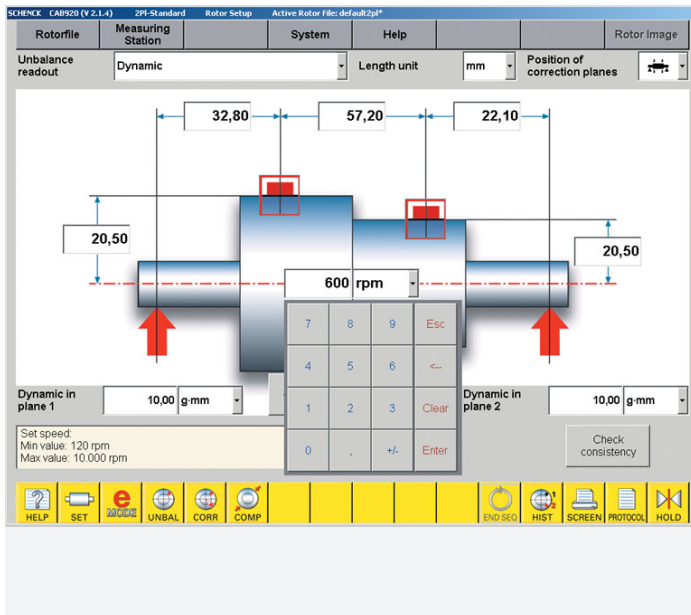
- Cable set for reference sensor
- 3 m signal cable & 4 m control cable for connection to the existing drive controls

Further hardware and software delivery options and prices available on request.

**Price**  
from EUR 14,800 up

# Modernisation package CAB 920

## For horizontal and vertical universal balancing machines



Clear vectorial and numerical display of the unbalance with coloured marking when the tolerance is reached



The operator can even display the angle and amount of unbalance when balancing elastic rotors in three planes

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### Technical data at a glance

Application	Universal for horizontal or vertical balancing machines, hard- or soft bearing
Basic system	Modular and service friendly design with measurement, analysis and display units. Data processing and calculation via integrated industrial PC with Schenck Computer Aided Balancing software
	* Vector and numeric display
	* Measure dynamic unbalance in 2 planes, the static unbalance and the couple unbalance
	* Automatic tolerance comparison
	* Display of polar or in equally / non-equally distributed components
	* Averaging of the measured values over time, rotor type related
	* Tolerance calculation according to ISO 1940
	* Balancing protocol in PDF format
	* Conversion to other setup data
	* Single compensation, key compensation, index balancing
	* Drive control for automatic measuring cycle
	* Definition and storing of type-related balancing procedures for simplification of complex work sequences
	* Context-sensitive help function, automatic self-test
	* Monitoring measuring signals
Display	Active 15" TFT colour display with high luminosity
Input	Context dependent assignment of function keys, touchscreen
Measuring methods	Efficient, fully digital measured data processing for highest measurement accuracy
Unbalance measuring range	1 : 2,000,000
Speed range	100 to 5,000 rpm , optional up to 100,000 rpm
Data storage	Dependent on the size of the storage medium, practically unlimited
	* USB for peripherals
	* Frontside USB for data export to storage media, etc.
	* Network interface for data backup, ethernet
	* Protocol printer
	* Marking measured values, averaging over runs
	* Angle indexing indicator
	* Extensive balancing software e.g. for drilling, milling, setting weights
	* Overlapping cycle
	* Rotor specific calibration
	* Alternating operation of 2 balancing machines with one measuring unit
	* Measured value recording and storage during startup
	* Vibration velocity measuring mode with single and double (2f) reference frequency

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\* Bode- and Nyquist-diagram

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\* Additional measurement channels for runout measurement, etc.

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\* Statistical software

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\* Industry-specific solutions for

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\*\* the roller industry: Laser scanning, special report, 3-plane display, etc.

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\*\* Propshaft industry: up to 4 planes in parallel, permanent or rotor-specific calibration, compensation of reactive forces

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\*\* Aviation industry: Averaging over runs, weight distribution, nesting