

Modernisation package CAB 706 For horizontal and vertical universal balancing machines



- Easy and ergonomic operation with user guidance and correction instructions
- Compact 19" unit for easy installation and quick commissioning
- High-contrast TFT colour display with clear and understandable dialogue screens
- Suitable for all common correction procedures: removal of weight, fitting of weights, drilling (optional), correction with stepped weight sets (optional)

Range of application

The CAB 706 combines high-precision measuring technology with the proven menu-controlled operating philosophy. The unbalance visualisation is combined on the screen measuring device by clear vectormeters and numeric displays. Thanks to its compact design, the CAB 706 is quick to install and bring into operation.

Functions

- Measuring of the dynamic unbalance in 2 planes, of the static unbalance and of the unbalance moment
- Automatic tolerance comparison
- Indication vectorial and numerical
- Indication polar
- Indication in evenly or unevenly distributed components
- Measured value averaging over time, rotor-type specific
- Single compensation, key compensation, index balancing
- Tolerance calculation in accordance with ISO 1940
- Automatic self-test
- Powerful, fully digital measured value processing for very high measuring accuracy

Speed range

120 to 5.000 rpm

Delivery contents (Extract)

- Measuring unit CAB 706 with drawer for keyboard, keyboard with Trackball built into a housing for mounting on existing cabinets
- Measuring modul MCP 706 for connection of vibration pickups and reference sensor, 2 USB-Hubs
- 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
- 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.

A large industrial machine, likely a balancing machine, is shown in a factory setting. It has a large, cylindrical, metallic component with a textured surface. The machine is illuminated with blue light, and the background is slightly blurred, showing other parts of the factory.

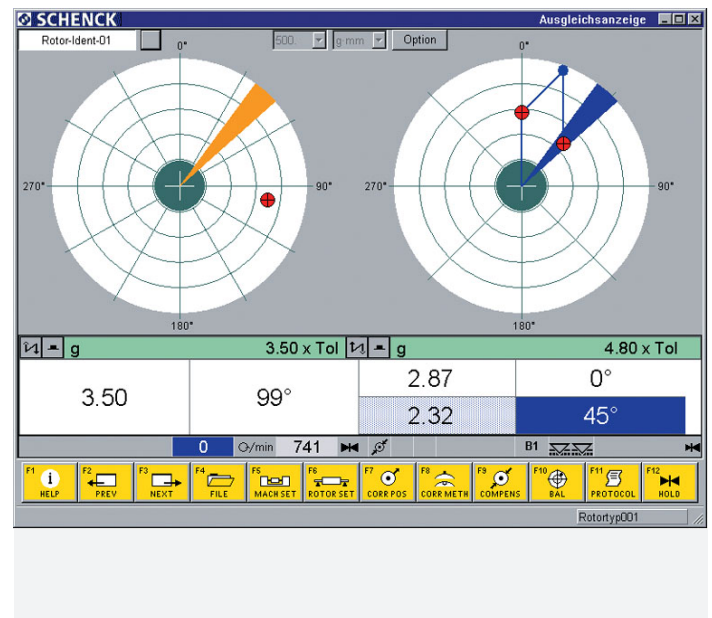
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Price
from EUR 9,900 up

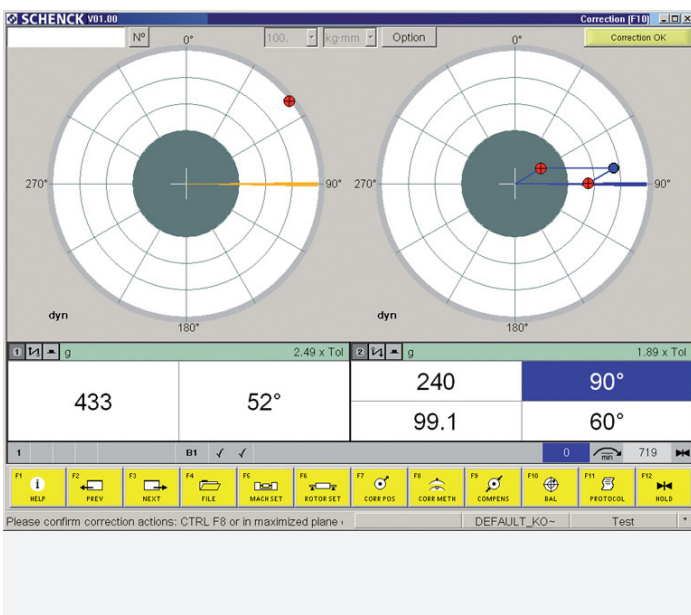
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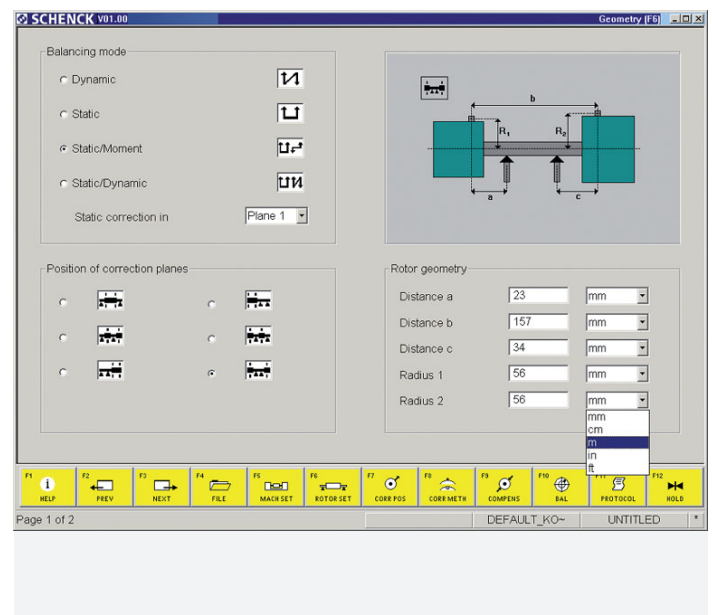
The CAB 706 modernization kit is ideal for vertical und horizontal universal hard-bearing or soft-bearing balancing machines



Indication of the dynamic unbalance numerical und vectorial with tolerance comparison - plane 1 polar, plane 2 in components, indexed to correction location



The CAB 706 provides context-sensitive help functions for all balancing issues



Clearly structured dialog masks are used to adapt the measuring instrument to the new rotor type

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Technical data at a glance

Application	Universal for horizontal or vertical balancing machines, hard-bearing and soft-bearing
Basic system	Modular and service-friendly design with measuring, evaluation and indication units; data conditioning and calculation by means of integrated PC with Schenck Computer Aided Balancing software
	* Measuring of the dynamic unbalance in 2 planes, of the static unbalance and of the unbalance moment
	* Automatic tolerance comparison
	* Tolerance calculation in accordance with ISO
	* Indication vectorial and numerical
	* Indication polar
	* Indication in evenly or unevenly distributed components
	* Conversion to other setting data
	* Measured value averaging over time, rotor-type specific
	* Single compensation, key compensation, index balancing
	* Print outs - individually configurable
	* Simplification of complex work processes
	* Context-sensitive help function
	* Automatic self-test
Dialogue languages	German, English, French (other languages on request)
Display	Active TFT color display with high luminosity
Keyboard	Keyboard with Trackball
Measuring procedure	Powerful, fully digital measured value processing for very high measuring accuracy
Unbalance measuring range	1:1,000,000
Speed range	120 to 5,000 rpm
Data storage	Depends on the size of the storage medium, practically unlimited
	* Printer
	* Angle indexing indication
	* Extensive equalization software e.g. for drilling or equalization with sets of weights
	* Rotor-specific calibration
	* Signal amplifier for machines made by other manufacturers

A background image of a large industrial machine, likely a balancing machine, with a large rotating drum and various mechanical components. The image is slightly blurred and has a white overlay at the bottom.

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