



Latest measuring technology for older balancing machines

Easy integration into existing balancing machines - including machines made by other manufacturers

Compact 19" unit for easy installation and rapid commissioning

Simple and ergonomic operation with user guidance and balancing instructions

High-contrast TFT display with wide viewing angle

Calculation of the balancing tolerances in accordance with ISO 1940

Excellent cost/benefit ratio

Proper, rugged design for workshop environments

CAB 706 - The modernization package for economically efficient balancing

Range of application

The CAB 706 is the complete package for modernization of the measuring chain of older horizontal and vertical balancing machines. If the machine is in good condition, it is a cost-efficient solution to make it state of the art by equipping the latest measuring technology and up-to-date operational controls.

Its compact design makes the CAB 706 easy and quick to install and commission - simply install it in your existing control cabinet, connect the vibration transducer and switch it on. This "conversion" is in most cases completed within a short time.

Optional signal amplifiers can be used to upgrade machines made by other manufacturers to the current measuring technology standard of Schenck machines.

Sequence of operation

The CAB 706 combines high-precision measuring technology with the tried and tested menu driven control philosophy. Operation is easy to learn and provides safe handling for correct working. All work steps are shown in a clear manner and even more simplified by the use of function keys. An extensive help library supports the user in his work with the measuring instrument.

The CAB 706 has clear and unambiguous dialog masks that leave no room for interpretation or incorrect input - just enter the rotor dimensions and the balancing speed for a new rotor and balancing can start. With the combination of unbalance visualization via the clearly structured vector meters and the numerical indications, the user can see the unbalance condition of the rotor at a glance. The measuring instrument

calculates balancing instructions for all common balancing methods such as attaching or removing of masses or optional for balancing by drilling and fixed correction masses. The correction masses are calculated in accordance with ISO 1940.

Printouts can be adjusted individually and document the balancing of each rotor in detail with an overview of the type and calibration data stored.

Preconditions

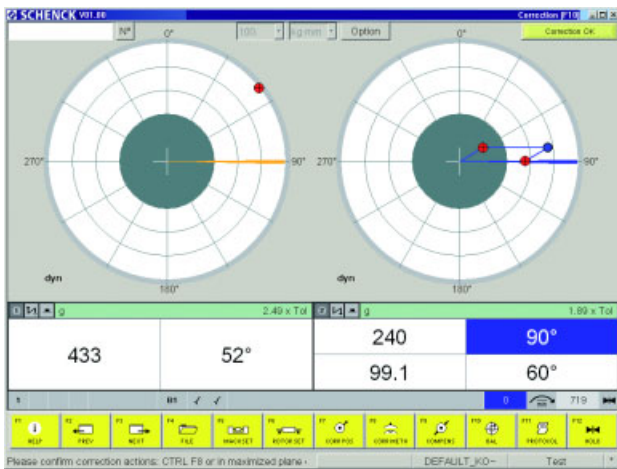
The CAB 706 modernization kit is ideal for vertical and horizontal universal hard-bearing or soft-bearing balancing machines. Machines made by other manufacturers are integrated into the Schenck technology by means of an adapter.

A modern optical reference pickup for reflex scanning and connecting cables for the various Schenck plug connection systems are included in the delivery.

Connection of the machine control system to CAB 706 is not intended. CAB 900 series devices may be used for this.



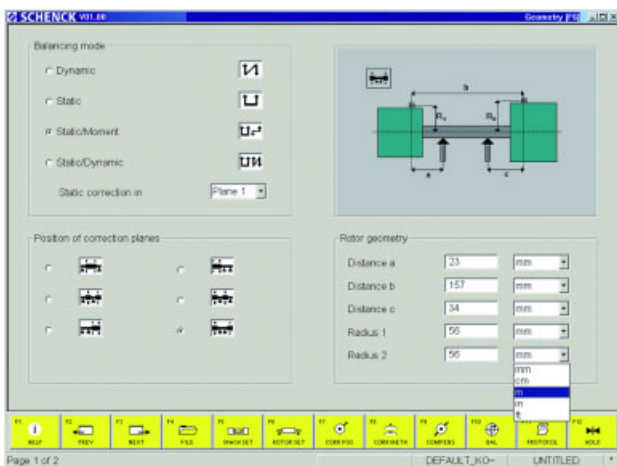
Operator guidance



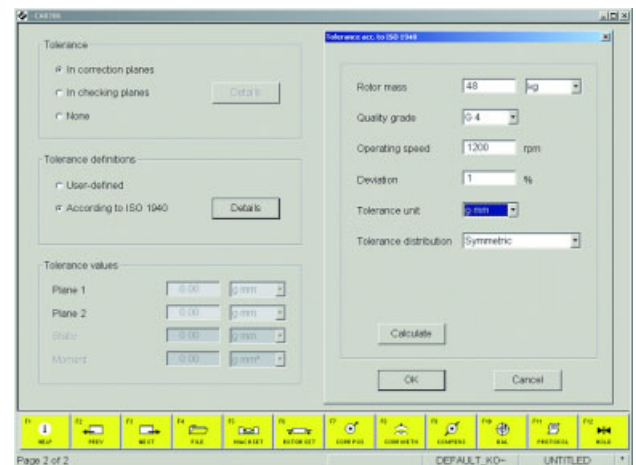
The measuring results - clear and unambiguous: indication of the dynamic unbalance numerical and vectorial with tolerance comparison - plane 1 polar, plane 2 in components, indexed to correction location



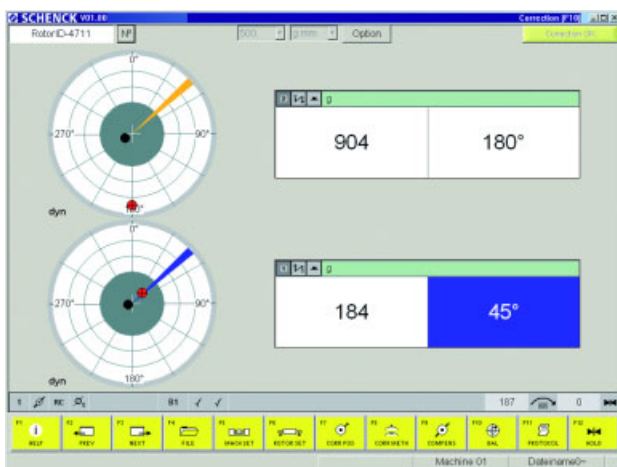
The CAB 706 provides context-sensitive help functions for all balancing issues.



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



Automatic calculation of the unbalance tolerances in accordance with ISO 1940



Indication of the measuring results on a vertical balancing machine



Index balancing in connection with averaging over measuring runs

Technical data

Application:	Universal for horizontal or vertical balancing machines, hard-bearing and soft-bearing
Base 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
Functions:	<ul style="list-style-type: none"> ■ 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
Dialog languages:	German, English, French (other languages on request)
Indication:	Active TFT color display with high luminosity
Input:	Keyboard and mouse
Measuring methods:	Powerful, fully digital measured value processing for very high measuring accuracy
Balance measuring range:	1 : 1,000,000
Speed range:	120 bis 5,000 rpm
Data memory:	Depends on the size of the storage medium, practically unlimited
Options:	<ul style="list-style-type: none"> ■ 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



Balancing and Diagnostic Systems

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