

## *Precision even in harsh conditions*

The basis of the CAB 820 is a high performance and robust industrial PC with a TFT touch screen display. This guarantees the CAB 820 is able to carry out its work reliably and over a long lifetime even in harsh workshop operation conditions.

The CAB 820 operating system is Microsoft Windows and is therefore easy to integrate into company networks. Balancing results and protocols can therefore be readily exchanged with other departments, processed and evaluated.

### **Planning for the future – simple to up-grade**

The CAB 820 grows with the demands placed upon it. If your balancing tasks become more and more complex and demanding over time, you can easily up-grade your CAB 820 into our reference measuring unit CAB 920 *SmartTouch*. You then have a measuring unit with which can balance all conceivable technical rotor variations – from low to high speed, from rigid to flexible, from vertical to horizontal – perfectly, rapidly and extremely accurately.

### **Making new from old**

The CAB 820 is perfectly suited for the modernisation of older horizontal and vertical balancing machines – also from other manufacturers. Using pre-assembled modernisation kits, you can up-grade your old balancing machine quickly and easily and use the latest measuring technology.



## Technical data

<b>Application</b>	Universal for horizontal or vertical balancing machines, hard or soft bearing
<b>Basic system</b>	Modular and service friendly construction with measuring, evaluation and display units, data preparation and calculation via integrated industrial PC with Schenck "Computer Aided Balancing"
<b>Function</b>	<ul style="list-style-type: none"><li>– Measurement of the dynamic unbalance in 2 planes or the static and couple unbalance</li><li>– Automatic tolerance comparison</li><li>– Tolerance calculation acc. the current ISO 1940</li><li>– Graphic and digital display</li><li>– Component display for symmetric distribution</li><li>– Mean value formation of the measurement values over time</li><li>– Balancing protocol (configurable in advance, for complete balancing runs)</li><li>– Single compensation, key compensation, balancing by 180° indexing</li><li>– Drive control for automatic measuring processes</li><li>– Drive control for automatic indexing of machines for a maximum rotor weight of up to 15 kg</li><li>– Recovery USB stick</li></ul>
<b>Display</b>	Active 15" TFT colour display with high contrast
<b>Input</b>	touch screen (separate mouse and keyboard is also possible)
<b>Measuring procedure</b>	High performance, fully digital measurement data processing for extremely high and long term stability of the measuring accuracy
<b>Unbalance measuring range</b>	1 : 2.000.000
<b>Speed range</b>	100 to 5.000 rpm
<b>Interfaces</b>	<ul style="list-style-type: none"><li>– USB for peripheral units</li><li>– Front USB for data export on memory media, etc.</li><li>– Network interface for data storage, tele-diagnostic and remote maintenance</li><li>– RS 232 interface</li></ul>
<b>Options</b>	<ul style="list-style-type: none"><li>– Printer</li><li>– Rotor specific calibration</li><li>– Conversion of the unbalance compensation into the number or length of a specified material</li><li>– Prohibited zones</li><li>– Conversion of the unbalance compensation into the drilling depth</li><li>– 2nd operating unit</li><li>– ASCII Data export</li><li>– Extendable to CAB 920 <i>SmartTouch</i></li></ul>



Balancing and  
Diagnostic Systems

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**NEW**

**cab820**

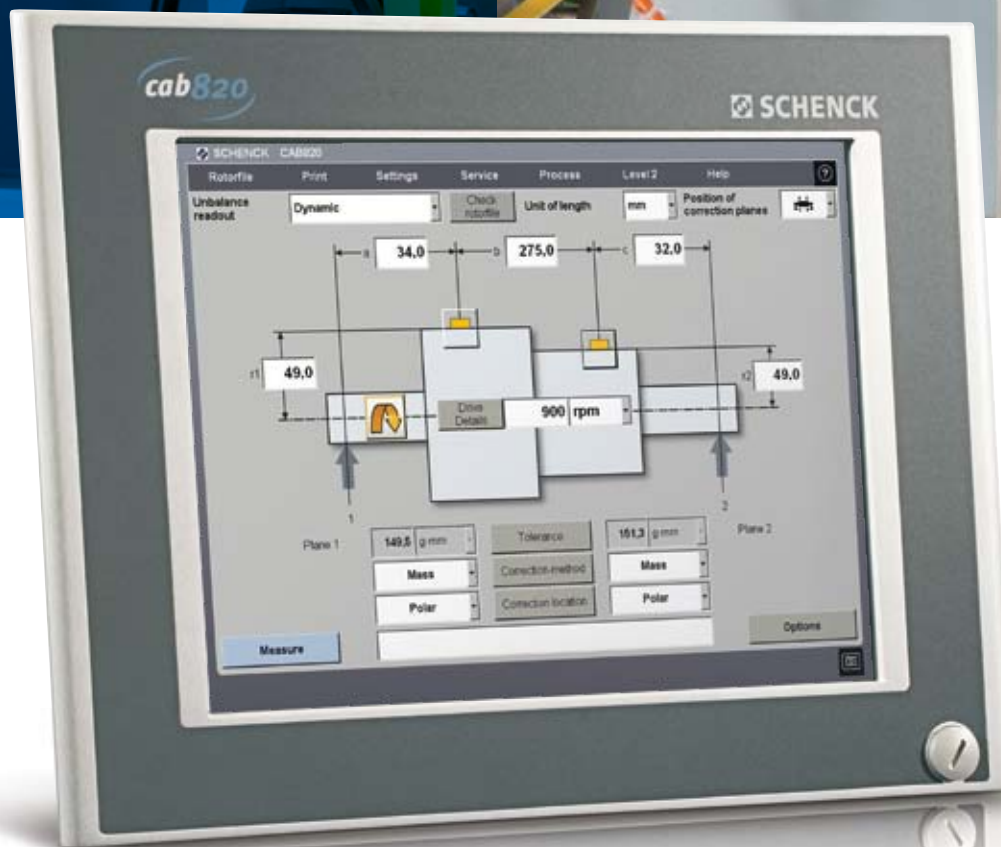
**CAB 820 – The basic measuring unit for perfect balancing**

Simple handling – High measuring accuracy – Future-proof concept



## CAB 820

*Nothing but balance*



The CAB 820 is our new basic measuring unit – and what a unit! Even at this entry level you receive a first class product combined with plenty of operating convenience, and all of this at an excellent price/performance ratio. This measuring unit is the right solution if you wish to achieve your company's balancing targets quickly and efficiently.

Because the CAB 820 is directly derived from our optimal measuring unit, it contains many genes from the more expensive product. This starts with the extremely simple and much praised operation through to the excellent precision right up to its exceptionally high accuracy. This product is perfect for all horizontal and vertical balancing machines.



### Plenty of convenience from the start

All you need to operate this unit is your index finger – no keyboard, no mouse. Using the robust touch screen, you can control all functions of the measuring unit and thus communicate with the balancing machine. Here we have adapted all operating elements in size and function to the touch screen philosophy. Large banks of keys and clear interactive symbols, with direct input windows for values and text, permit rapid work without long generation periods.

### See what's going on

As with all of our measuring units, the CAB 820 utilises the tried and tested combination of unbalance display with vector meters in combination with large, accurate digital displays. This means that you have an overview of the data for assessment of the unbalance condition of your rotor on the screen.







*Ingeniously easy  
due to our direct  
operating concept*

When balancing, we understand everything you need for the task, using only two main pages and one option page for set up and display - clearly summarised and logically structured.

With the rotor set up; the first of the two main pages, you can set all the parameters required for balancing. Here, via the touch screen, you are guided with clear presentation, easily understandable symbols, expedient selection menus through the set up. On this page you

can also find the option menu with further functions – depending on the configuration of your measuring unit.

At the end of the measuring run the result is displayed on the second main page for you to view. In addition to the vector meters for unbalance display you can see the position and amount of the unbalance at a glance, as the results are also presented numerically with large digits.

