



***pasio***<sup>50</sup>

**PASIO – the wind of change for balancing**

Horizontal universal balancing machine for rotors up to 50 kg

# PASIO – concentrating on what’s really important: simply good balancing



The unique design of the PASIO 50, goes beyond its simplicity and ease of use, to offer a completely new balancing system.

Some of the features are more subtle, such as the integrated C-class enclosure that has been designed for one-finger operation and free from any pinch points for smooth, trouble-free balancing and complete operator safety. Other features are more prominent, such as a unique mineral casting design to provide superior damping characteristics and improve measuring results. It's the attention to detail that experienced professionals will admire and those new to the industry will appreciate when balancing with the PASIO 50.

The simple, intuitive operation of the machines allows even “occasional balancers” to balance rotors correctly at the first attempt.



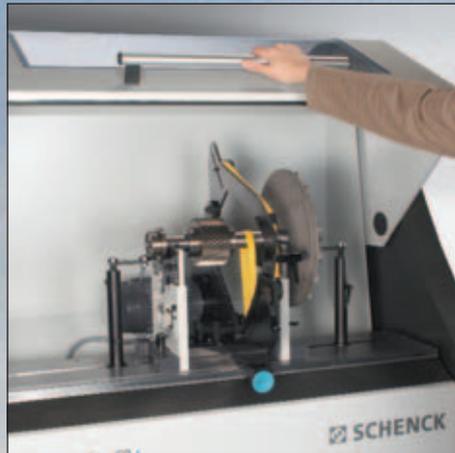
CAB 920, the 5<sup>th</sup> generation of digital balancing technology, provides you with perfectly balanced rotors and simple operation.



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**PASIO – Years of experience and craftsmanship under the same hood**

Schenck's PASIO is the first of a new generation of compact balancing machines that has turned many of our visions into reality. Years of experience and countless applications have been united under one hood to offer an unsurpassed level of safety and efficiency. See for yourself how the PASIO 50 can simply make balancing so much easier and much more effective.



It couldn't be easier. The protective enclosure is extremely easy to open and close offers a rugged C-class protective rating.



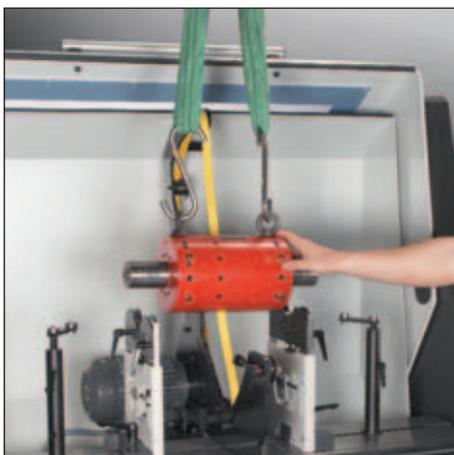
The belt drive can be adjusted to the correct rotor diameter in no time.

### PASIO – a fixed workstation

Simply set the PASIO down where it makes sense in your production workflow and connect the power supply. Once the transport safety fixtures have been removed, you will be ready to begin balancing in next to no time. Another welcome aspect of this design is the significant reduction in space required. In comparison to a classic balancing machine, the PASIO needs 40 - 60% less floor space.

### PASIO – perfect conditions for unbalance measurement

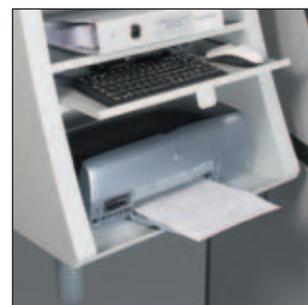
A variety of new and unique features make the PASIO an ideal tool for precision balancing. The base, for example, has been completely redesigned and made of a modern mineral casting material to provide superior damping characteristics – up to 10 times more than cast iron – and improve measuring results. The properties of the casting are perfect for unbalance measurement, and are less susceptible to interfering influences. The cast construction is also the basis for its compact design with all components easily accessible and integrated in the sturdy base.



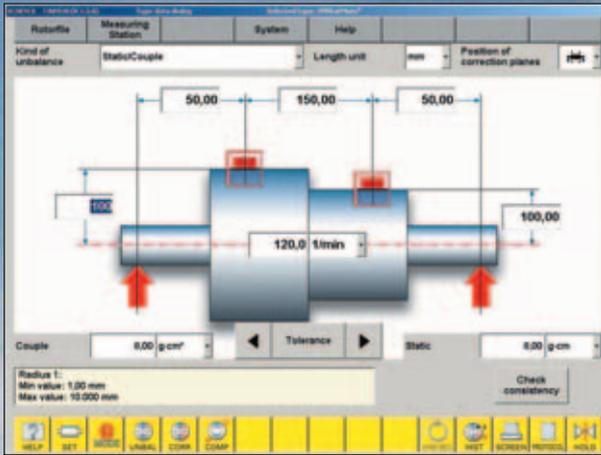
Rotors can be loaded easily from above using a crane. Compact in its outer dimensions, yet lots of room for large rotors.



Quick installation and simple implementation – without foundations being necessary.



Quality documented in black and white.



The standard angle indexing display supports you for exact balancing.



CAB 700 is universal and cost efficient basic measuring instrument for all standard balancing tasks.



The new single-handed belt-drive design also provides a degree of comfort you'll soon no longer want to be without in your day-to-day balancing work. Another point of technical perfection is that the belt is guided vertically from the rotor, thus avoiding distorting the measuring results on account of belt forces.

Our state-of-the-art CAB 920 ensures peak performance with its modern control concept, touch-screen operation and comprehensive features it's the perfect complement to the PASIO.

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**Rotor dimensions**

Maximum rotor weight: 50 kg  
 Maximum rotor diameter: 600 mm  
 Journal diameter: 9 to 63 mm  
 Bearing distance from 40 to 1100 mm  
 Minimum achievable residual unbalance: 1 gmm

**Machine data**

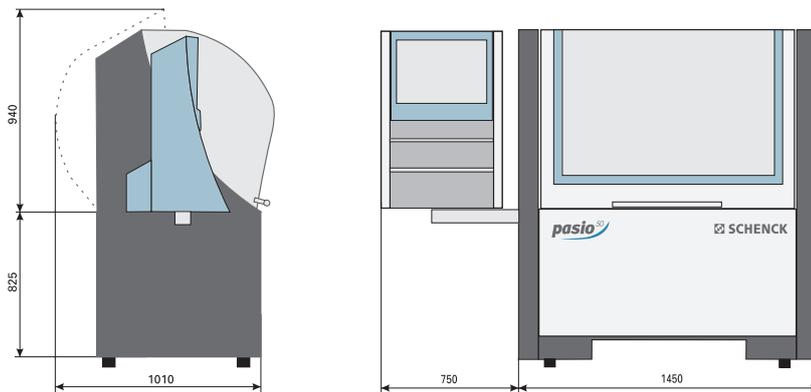
Dimensions (with small drawing)  
 Total weight: 1,100 kg  
 Power supply: 400 V ± 10 %, 3 Ph, 50/60 Hz  
 Rotor drive through overslung belt drive  
 Drive power: 1.1 kW  
 Protective cover in accordance with ISO 7475 Class C  
 (protection against parts flying off)  
 3-colored coating RAL 7035 (light grey),  
 RAL 7024 (graphite grey), RAL 5014 (blue-grey)

**Measuring devices**

CAB 700  
 CAB 920 with touchscreen operation

**Options**

Color printer for report print-outs  
 Roller carriages for journal diameters 63 to 100 mm



**Balancing and  
 Diagnostic Systems**

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