



 **SCHENCK**



NEW

***pasio*⁵**

PASIO 5 – the wind of change in balancing
Horizontal universal balancing machine for rotors up to 5 kg





PASIO 5 – perfect for small rotors

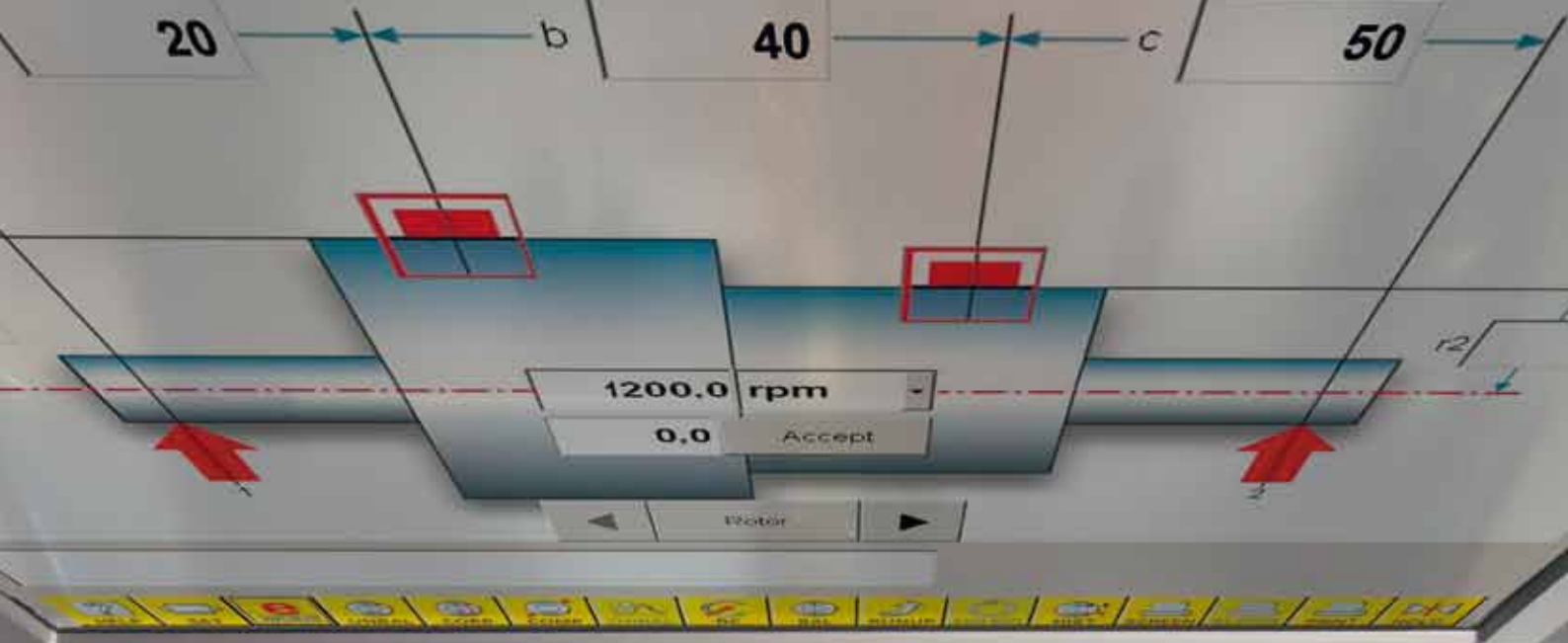
The horizontal universal balancing machine for rotors up to 5 kg

What can you do to improve a machine whose previous model has already proven itself outstandingly on the market? You can make it even more reliable, even easier to operate, even faster and more capable. The result is the new PASIO 5. The perfect balance between high-tech and intuitive user guidance.

Space saving, accurate and easy to operate

These are just three of the many advantages which make the PASIO 5 the perfect tool for efficiency and process reliability in your business. You will also be convinced by the robust design, the reliable Schenck drive technology and the overall construction that meets the very latest requirements when it comes to technology and ergonomics. With the PASIO 5, you can balance a wide range of rotors weighing up to 5 kg professionally and accurately.





PASIO 5

Perfectly planned



Intuitive to operate – simple and logical

With this new operating philosophy, we make it easier for you to work with the machine. This begins with the ergonomic arrangement of all operating elements, and continues with the user friendly touch screen in combination with the CAB 920 measuring unit. It goes without saying that our main concern was to improve the economy of your balancing processes.

Good view in every position

Different lighting effects and conditions can sometimes restrict or impair the visibility. Glare free working in every lighting situation is ensured by the adjustable viewing angle of the screen.

Set up and start work immediately

Do you have a power connection and a table? Then you have everything you need. The PASIO 5 can be brought into operation using the "plug & play" process. And because space is a scarce commodity in any business, we have designed the machine to be so compact that it takes up considerably less space than all its predecessors. It is, however, still fully accessible and completely in order – a balancing machine which turns in a great performance in the smallest space possible.

This is also demonstrated when the machine is used as a twin solution. While the unbalance correction is being carried out on one machine, the next rotor is already being measured on the other machine.



The adjustable viewing angle of the measuring unit screen enables glare free working.



Protective cover for rotors with sharp-edged surfaces



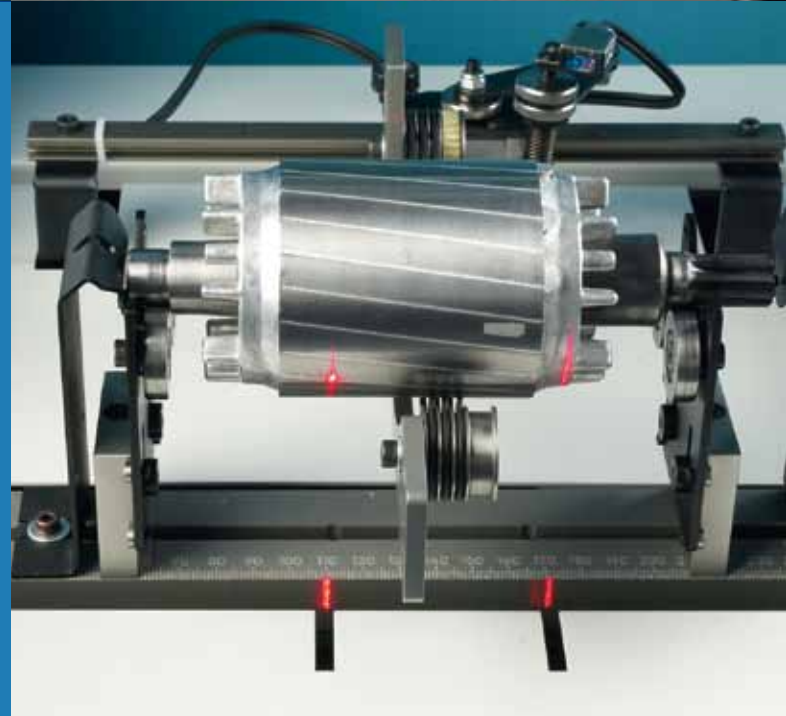
PASIO 5
Discover the versatility

Easy setup of the laser scanning head for an even more accurate angle position

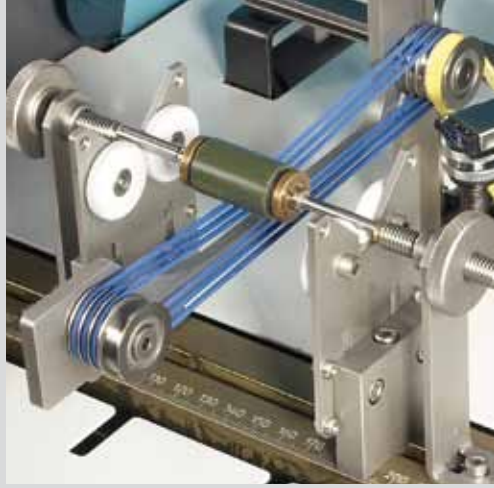
Convincing precision technology

The PASIO 5 shows its strengths even when setting up. With the built in line laser, you can set up the machine for the rotor quickly and faultlessly. All values are saved, and are therefore also available again at any later time for rotors of the same type. The new laser scanning head is easy to adjust and so offers even more accurate angle position – a simple mark on the rotor in a contrasting colour is often enough for a reliable measurement. The machine registers the position of the different reference marks.

By means of the automatic angle positioning on the correction points, the PASIO 5 enables an exact and fast unbalance correction. The measurements remain reliably accurate even in the case of magnetised electrical armatures such as permanent magnet armatures. Due to the anti-magnetic material of the PASIO 5 it avoids undesired feedback effects, and therefore distorted measurement results.



The line laser ensures the clear display of the measurement planes



Tangential drive for very lightweight rotors such as non-ferrous armatures



Balancing of permanent magnet armatures with 3 drive belts



Belt drive from above for balancing of radial fans

Calibration runs unnecessary

Since the PASIO 5 is permanently calibrated, after entry of the rotor's geometric data, no calibration runs are necessary throughout the complete process.

Variable drive technology for great flexibility

Wherever it is used, it works with the maximum flexibility, providing weighty advantages even in the case of light rotors. The PASIO 5 is your flexible partner in the workshop and laboratory, in repair operation or also for small series production. The benefits: it balances very small rotors from 50 grams up to 1 kg. This is made possible by the variable drive technology with which we have equipped the machine. For small and miniature rotors, the belt drive is replaced by an elastic drive belt. In combination with prism bearings, this achieves the maximum measuring sensitivity. This means for example that you can process very light precision components such as electric motors and spindles for the textile and machine tool industry.

Rotors in the standard range from 1 – 5 kg are balanced with a universal belt drive.

Proven measuring technology

The PASIO 5 comes complete with proven measuring technology in the accustomed Schenck top quality in two levels:

CAB 700, the cost efficient basic measuring unit for the balancing of small series or individual rotors. You are sure to be convinced by the easy, menu guided operation, clear displays and outstanding accuracy.

CAB 920, the high end solution in terms of operability, precision and versatility. This unit is easy to operate via touch screen functions, and is also equipped with a vectormeter display. Fitted with a USB connection, this supports your data transfer during operation. This level is particularly suitable for the balancing of small series.



CAB 920: The top level measuring unit – easy operation and peak performance



CAB 700: The basic measuring unit for high accuracy with clear displays

Technical data

Rotor dimensions	Roller bearing insert	Prism insert
Maximum rotor weight	5 kg	1 kg
Maximum rotor diameter	150 mm	
Journal spacing	240 mm	
Journal diameter	5-22 mm	2-22 mm
Journal diameter optional	21-40 mm	

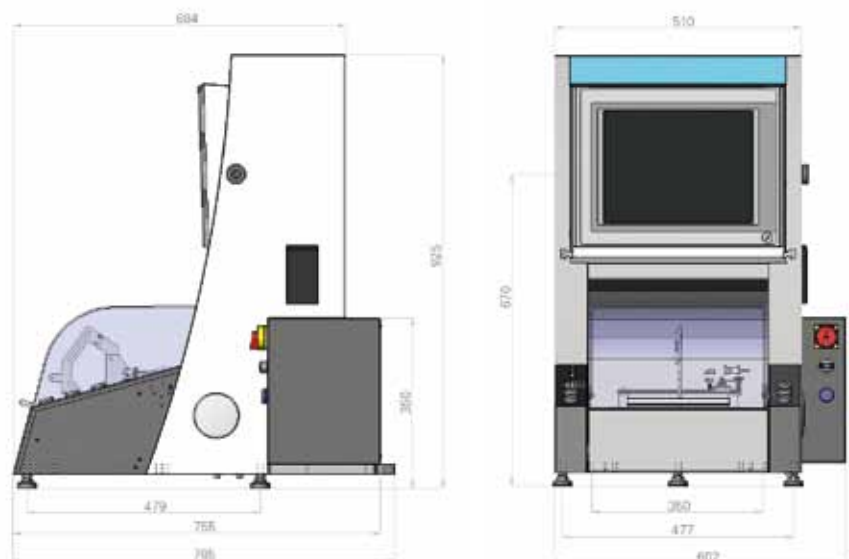
Machine data		
Dimensions (see drawing)		
Overall weight	135 kg	
Power supply	230 V AC, 50 Hz	
Belt drive	Tangential from below with flat belt ¹⁾	Tangential from below with round belt
Drive performance	100 W	
Automatic indexing	included	
Smallest achievable residual unbalance ²⁾	0.1 gmm/kg	
Maximum value CAB 700	0.3 gmm	0.2 gmm
Maximum value CAB 920	0.15 gmm	0.1 gmm
2-colour painting	RAL 7035 (light grey), RAL 7024 (graphite grey)	

Measuring units	
	CAB 700 with numeric display
	CAB 920 with vectormeter display and industrial PC with touch screen

Options	
	Protective cover to ISO 7475 Class C (protection against ejected parts)
	Test rotor (500 g) with test weights
	External interfaces for printer and network (CAB 920)
	Laser printer for reporting
	Graduation scanning as reference and angle position sensor
	Software functions for measuring units CAB 700 and CAB 920: <ul style="list-style-type: none"> - Correction calculation - Operator support - Data management

1) Convertible to overhead tangential belt drive

2) Smallest achievable residual unbalance per plane



SCHENCK

Balancing and
Diagnostic Systems

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