



## CAROBA® Balancer OnDesk 500

The universal worktop balancing stand

# Compact and flexible universal balancing stand

The Balancer OnDesk 500 is a table-top version of our Balancer Universal 500 and a complete balancing stand. All setup variants and mountings for the balancing objects are fully compatible with its big brother. The compact and space-saving OnDesk 500 is particularly suitable for those users who want to save real estate in the laboratory and in production. Due to its low weight, this balancing stand can be stored on a shelf and placed on the worktop whenever it is required.

The Caroba® UMS Compact measuring system is integrated in the balancing stand and can be connected to a standard PC or laptop. You operate the system comfortably with keyboard, mouse and a large monitor. If required, you can remove the UMS Compact and thus have a mobile balancing system for measurements on site, e.g. for use in service.

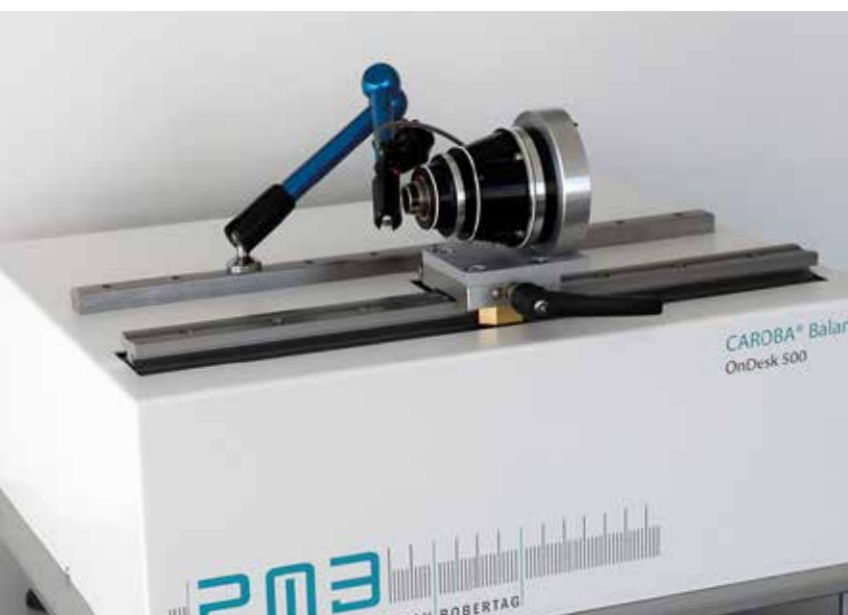
## Application examples and optional configurations



### Bearing blocks and belt drive

In this setup variant, roller blocks or plain bearing blocks are mounted on the clamping elements of the system rail. The drive is realized with round belts. The adaptation to different workpieces can be carried out quickly - the experience of PMB contract balancing has been integrated into the development of this system.

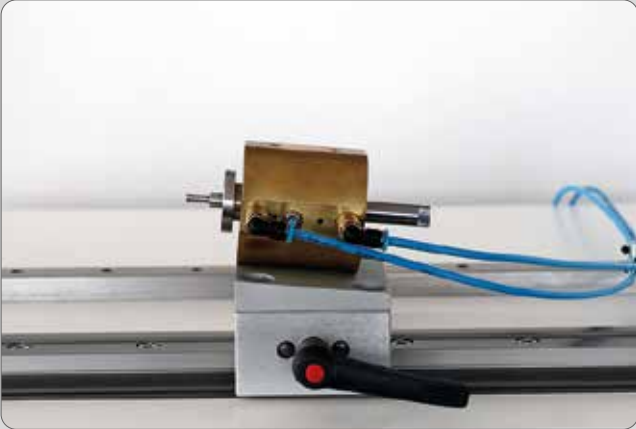
They use it to balance components without bearings and drives, e.g. shafts, electric motor rotors, turbo rotors, etc...



### Balancing platform for assemblies

Instead of the bearing blocks, you can also clamp your runnable assemblies or your own mounting fixtures directly. If your workpiece has its own bearing and drive (e.g. spindles, electric motors, small blowers/fans...), you can set it up in just a few minutes.

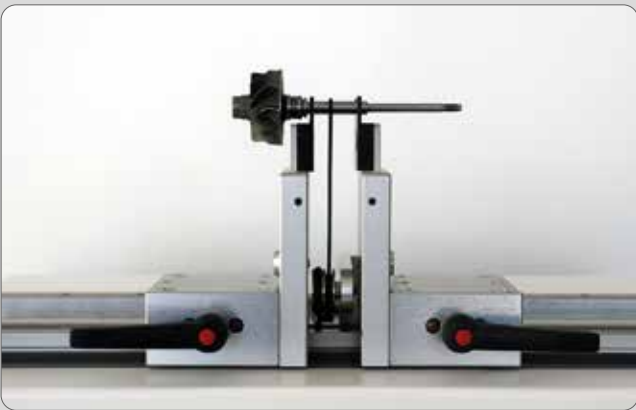
The drive control of the balancing stand takes over the control of your own drive unit. This is done via the 0-10 VDC setpoint output. Other drive types, e.g. an air drive, can also be controlled.



PMB air bearings for high-precision shaft balancing



Small electric rotor on plain bearing prisms



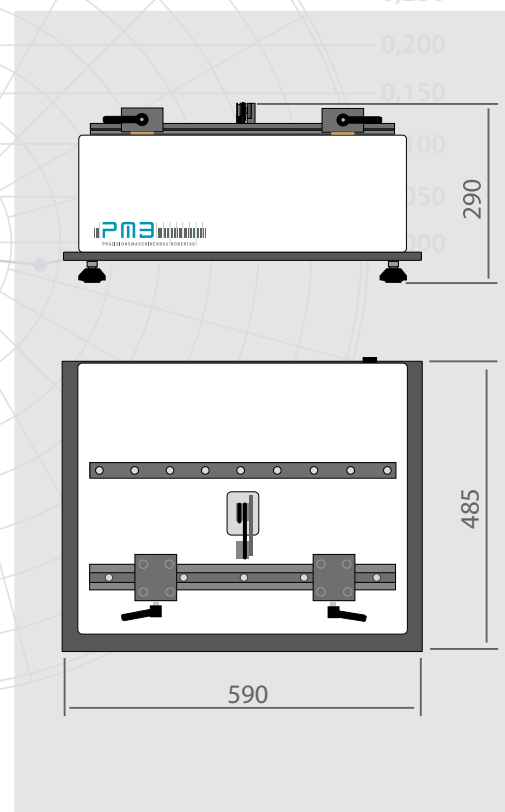
Turbo rotor on plain bearing prisms



Runnable assembly directly mounted

## Your advantages

- Compact and space-saving
- Universally and quickly adaptable for different balancing objects
- Bearing blocks for shafts, electric rotors...
- Balancing platform for assemblies, spindles...
- Different drive variants possible (belt drive, air nozzles etc.)
- Removable measuring system and integrated drive
- Future-proof through hardware and software updates





## The Art of Balancing

The company PMB-Präzisionsmaschinenbau Bobertag GmbH was founded in 2008. Since then we have achieved a technological leadership in the field of ultra-precision balancing with our own measuring technology, software and complete balancing systems. From development and production to consulting, PMB stands for the highest quality in balancing technology. We work hand in hand with you. We are aware that we contribute an important part to the quality of your products. We support you in all aspects of your tasks and support you in planning and implementation with our know-how and our experience, which we have acquired in a wide field of applications. We are particularly proud of our balancing service - because our partners entrust us with their most important items: Their products!

We are certified according to DIN EN ISO 9001:2015

### Services and solutions

- Balancing machines
- Balancing systems
- Balancing and analysing software
- Balancing service
- Operator training
- After Sales Service
- Research and development
- Consulting



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