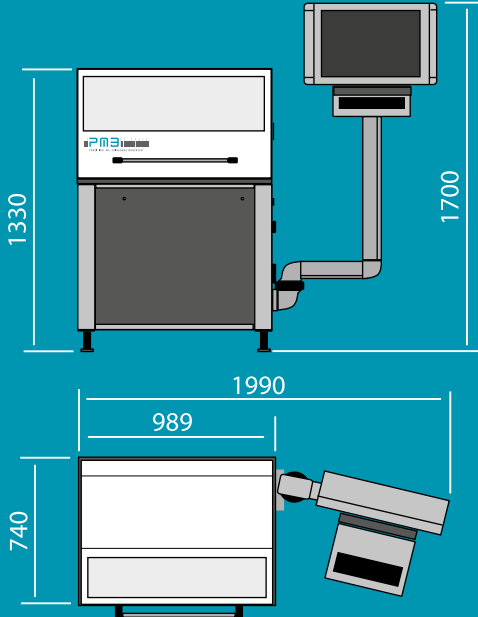


**Residual unbalance  
< 0,001 gmm\***



### Technical data



## CAROBA® Balancer Universal 500

Our CAROBA® Balancer Universal series has a modular design. It is made up of our standardised components, which are configured and assembled according to the balancing task. In combination with our balancing software CAROBA® Soft and the UMS measuring systems, you achieve high, reproducible balancing qualities. From individual parts and prototypes to small and large series. From manual operation to various levels of automation, many expansion stages are available.

Shaft diameter on standard bearing blocks	min / max	mm	1 - 80
Bearing surfaces distance on standard bearing blocks	min / max	mm	30 - 500
Object diameter	max	mm	300
Object weight	Configurable for object weight from 0.01 kg to 35 kg.		

#### Smallest possible residual unbalance\*

On rollers / prisms of standard bearing blocks	gmm	< 0,03
On PMB air bearings	gmm	< 0,001

\*Dependent on balancing object, mounting and measuring system

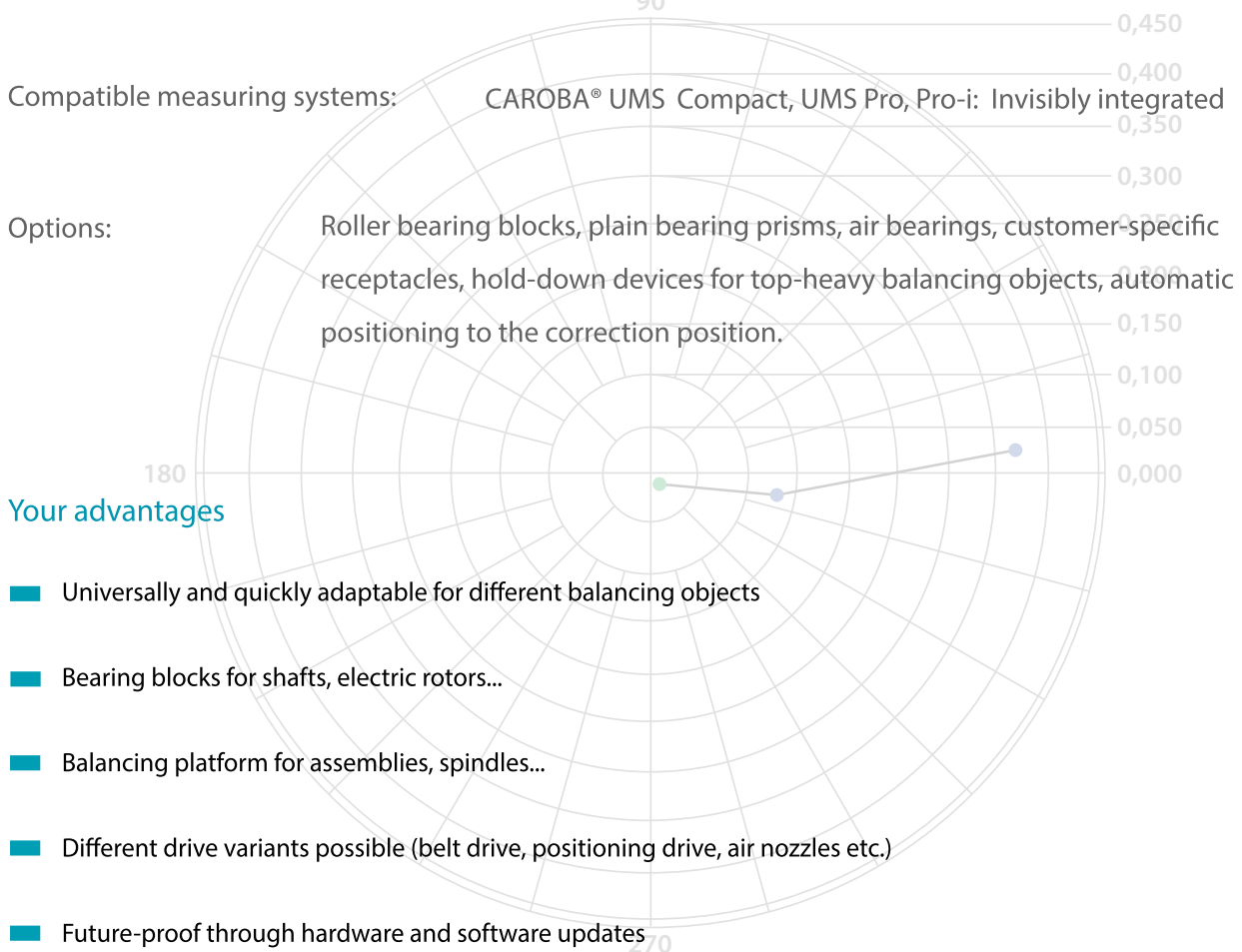
Weight Universal 500	kg	ca. 350
Power supply	V/Ph	230 V/AC
Fuse protection	Ampere	8AT

### Type of drive

Belt drive	Wrap with round belt cord	
Drive power	Watt	117

### Balancing speed by

Belt drive	rpm	180 - 9000
Air drive / Depending on object and bearings, more than	rpm	12.000
Self-driven / When using the „Compact“ measuring system, maximal	rpm	96.000
When using the „Pro or Pro-i“ measuring system, maximal	rpm	800.000



PMB - Präzisionsmaschinenbau Bobertag GmbH, Hertelsbrunnenring 9  
67657 Kaiserslautern / Germany, Phone +49 (0) 631 204 015 0, E-Mail: info@pmb-bobertag.de



01.2023 / EN