



Modular design

Short change over times

High balancing accuracy

Infinitely variable DC drive

Ergonomic working height

No foundation required

Enclosure type C 60 in accordance with ISO 7475 and DIN 45690

CAB 700 measuring instrumentation with clearly organised, digital display
CAB 920 measuring unit with vector display as an option

Universal horizontal balancing machine

Table-top design, type HM 1, HM 10, HS 10

Area of application

Universal balancing machines type HM 1, HM 10 and HS 10 are ideally suited for small workpieces such as electric armatures, turbochargers and spindles or complete subassemblies. They are used for one-off production or small production lots. The machines are designed for sitting or stan-

ding operators and can be used in varying locations. Conversion to different workpiece types is easy and can be achieved in minimum time. Three different drive systems are available, i.e. under-slung, overslung or tangential belt drive.

Unbalance correction is achieved by addition of material (e.g. balancing plasticine or weights) directly on the machine or by removal of material on a separate processing machine. As an option, manually operated machine tools for the unbalance correction on the machine are available.



Balancing machine type HM10 with overslung belt drive

Design

Hard-bearing, horizontal balancing machine of table design. Measuring unit with permanent calibration featuring digital signal processing. CAB 700 measuring unit with graphics LCD colour display. Option: CAB 920 with Windows XP operating system, TFT colour screen and unbalance display in vector form. The complete workplace consists essentially of the following components: Machine table, balancing mechanics with roller or prism bearings. Complete assemblies with enclosures can be accommodated.

Special features

- The machine can be mounted on the workshop floor without a foundation and is immediately ready for use.
- Hard-bearing design ensures short change-over times
- High balancing accuracy
- Ergonomic working height
- Infinitely variable DC drive
- Automatic measuring cycle with adjustable acceleration, measuring and braking times can be selected.
- Suitable for extension with integral mass correction system

Important data at a glance

Machine		HM 1	HM 10	HS 10
Weight, max	[kg]	10	16	16
Diameter, max	[mm]	360	360	-
Journal diameter	[mm]	2 - 22 / 22 - 50	6 - 30 / 30 - 70	-
Distance between bearing centres	[mm]	15 - 450	15 - 450	max. 450
Min. achievable residual unbalance	[gmm]	0,1	0,2	0,2
Drive power	[W]	130	130	-
Power requirement	[V]	230		
Dimensions, WxDxH	[mm]	1500 x 750 x 1500		
Colour Finish		RAL 7024 / 7035 graphite grey / light grey		



Measuring unit CAB 920



Balancing and Diagnostic Systems

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