



High measuring accuracy and efficiency

Automatic measuring cycle

Automatic indexing

Integrated slot counter (option)

CAB 700 dynamic balancing instrumentation

Over-slung and under-slung belt drive configurations

Ergonomic workstation design for standing or seated operator

Armature Balancing Machine

AB-comfort

Range of application

The AB-comfort was developed in cooperation with electric motor manufacturers in an effort to provide a manually operated machine that could be used in a production capacity and was simple, efficient and cost effective. The AB-comfort combines a unique set of features to specifically address the issues that motor manufacturers face when balancing electric

motor armatures. The horizontal, hardbearing machine can accommodate rotors weighing up to 5 kg and up to 310 mm in length.

A variety of drive and bearing components are available, so operators can easily configure the machine based on the rotor specifications. Once the rotor is in the machine,

the operator needs only to initiate the automatic measuring cycle and the AB-comfort will automatically measure, average the measured unbalance, lock the readings, and stop the rotor at the exact location that a correction needs to be made.

Important data at a glance

Weight capacity with rollers	5 kg
Weight capacity with V-blocks	2,5 kg
Maximum distance between bearing centers	310 mm
Minimum distance between bearing centers (belt drive outboard)	15 mm
Minimum distance between bearing centers (belt drive inboard)	36 mm
Rotor swing diameter above machine base	300 mm
Journal diameter on roller bearing inserts	5 - 22 mm
Journal diameter on V-block inserts	2 - 22 mm
Belt driven diameter	20 - 120 mm
Balancing speed	960 / 1440 / 2280 rpm
Minimum achievable residual unbalance per plane	0,2 gmm
Unbalance reduction ratio (URR)	95 %

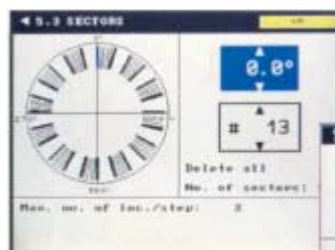
Special features

The AB-comfort comes equipped with Schenck's Computer Aided Balancing CAB 700 instrumentation to streamline the balancing process and provide accurate measuring results in only a few simple steps.

An integrated slot counter can be provided for speed and phase reference, and more dependable measuring results when balancing motor armatures compared to a traditional photocell. The CAB 700 also has a "component correction" fea-

ture so corrections can be made precisely on the pole head, or another location that is more convenient.

Count on the AB-comfort for results that are simple, swift and cost-effective!



**Balancing and
Diagnostic Systems**

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