

VIRIO Vertical balancing machine VIRIO10 – VIRIO300



- Modular construction
- Short rebuilding times
- High accuracy
- Weight range 10 – 300 kg
- Continuously variable drive unit
- Ergonomically handling
- Variable possible applications
- Protection device C 600 according ISO 7475
- Measuring unit CAB 700 with clearly arranged digital display (optional CAB 920 with vector display and touchscreen)

Scope of application

Vertical balancing machines of the type VIRIO10 – VIRIO300 for 1 or 2 planes, are well dedicated for all workpieces without own shafts, like pressure plates, brake discs, brake drums, flanges, housings, clutch parts, blowers, knives, impellers, pullies, saws, grinding discs, flywheels, dampers, turbo charger a.s.o. They are applied in the make-to-order-production and for small series productions. The machines are rated for an upright operation and usable on variously stations.

The rebuilding to different rotor types is practicable within shortest time by changing the adapters. Available are 4 different drive units: 1,5 kW, 2,2 kW, 4,0 kW, or a servo drive for automatic indexing. For the indication of unbalance we provided the polar display, regular or irregular components with integration of forbidden zones. We also provided a milling software for the external correction. The correction data can be sent to the external milling machine via ASCII – interface (CAB 700), or directly (CAB 920). The correction of unbalance can be done directly on the machine by adding weight or by reducing weight, using an integrated drilling unit. The indication of the mass of unbalance to be reduced will be announced by the numbers, angle and depth of holes to be drilled. During the correction a stylized drill shows the proceed. Optional deliverable are correction units for welding, riveting and grinding. **Design**

- Hardbearing, vertical balancing machine in molded mineral design.

- Measuring unit with permanent calibration and digital signal processing.
- Measuring unit CAB 700 with coloured, graphics capable LCD-Display. Cache memory for 99 rotor data and extensive basic configuration for the different correction methods.
- Optional: CAB 920 with Windows operating system, TFT colour display with touchscreen function and vector view of the unbalance. Designed as network compatible embedded PC with memory card and permanent storage of the measured unbalance values. Simplest menu navigation in „Easy Mode“.
- The workplace exists essentially of the following components: control cabinet with measuring unit and machine with protection and operating elements

Features

- The machine is usable without foundation, but with screw connection
- Short rebuilding times, cause of the hardbearing principle
- High balancing accuracy
- Ergonomic design

A photograph of a large industrial vertical balancing machine, the VIRIO series, with a large rotating drum and various mechanical components. The machine is set in a clean, industrial environment.

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Vertical balancing machine VIRIO10 – VIRIO300

- Continuously variable drive units
- selectable automatic operating sequence with adjustable acceleration and braking times.
- Extendable with integrated drilling unit

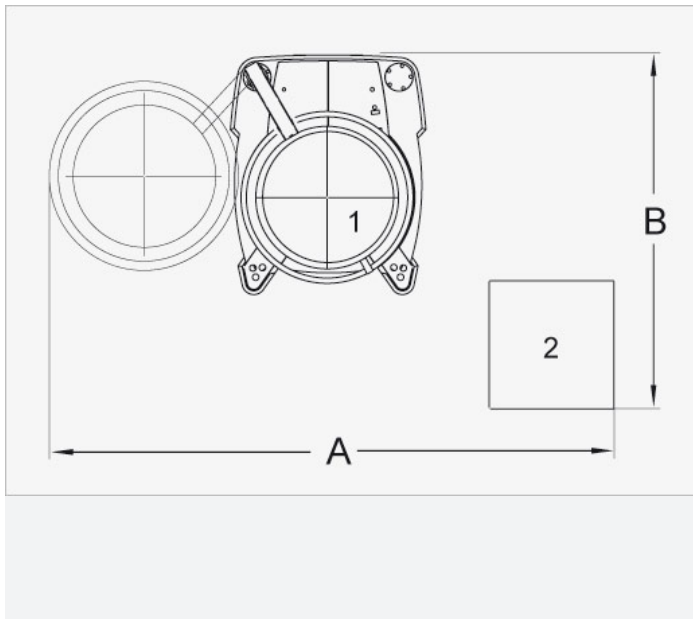
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1 Engine - 2 Control cabinet

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Data at a glance	VIRIO10	VIRIO50	VIRIO100	VIRIO300
Measuring unit	CAB 700	CAB 700	CAB 700	CAB 700
Frequency squirrel drive	1,5 kW	2,2 kW	2,2/4,0 kW	4,0 kW
Servo drive	8 Nm	14 Nm	14 Nm	25 Nm

Rotor

Weight, max.	[kg]	10	50	100	300
Diameter, max.	[mm]	610	810	810	810
Height, max.	[mm]	250	450	450	450
Spindle dimension	[mm]	80H7	80H7	80H7	80H7

Maschine

Width A	[mm]	850	850	850	850
Depth B	[mm]	850	850	850	850
Height C	[mm]	1200	1200	1200	1200
Balancing speeds	[min -1]	120 - 1200	120 - 1200	120 - 1200	120 - 550
Accuracy, 2 planes	[gmm]	2 - 4	4 - 10	10 bis 20	20 - 50
Accuracy, 2 planes	[gmm]	18 - 25	18 - 28	20 - 40	20 - 100
Power supply	[V]	400	400	400	400

Basic machine

Options

Measuring instrument CAB 920		•	•	•	•
Software options		o.r.	o.r.	o.r.	o.r.
Pneumatic unclamping system		•	•	•	•
Pneumatic spindle lock device		•	•	•	•
Balancing in two planes		•	•	•	•
Report printer	Bestell-Nr.	R0060105.01	R0060205.01		
Protective device to ISO 7475		•	•		
Mass correction system		o.r.	o.r.		

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o.r. on request