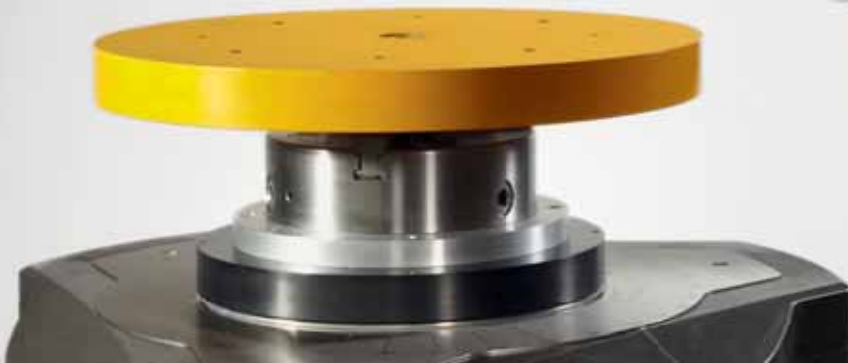




NEW

taro[®]

TARO – The versatile non-rotating balancing machine
Non-rotating – simple, precise balancing



TARO – *An ingenious concept for disc-shaped rotors*

Taro is the modern interpretation of a non-rotating balancing machine. With a new measurement principle on the basis of three high precision weighing cells, the efficiency and accuracy of non-rotating balancers has improved in an impressive way. This higher precision over previous balancers allows a substantial increase in the range of applications suitable for the **taro**. It is extremely robust and impervious to external influences – with an intuitive ergonomic interface.

Taro determines both the unbalance and the weight of simple disc-shaped rotors quickly and precisely, offering considerable savings in comparison to previous non-rotating balancers. Among its typical applications are railway wheels, propellers, grinding wheels, or pump impellers. Static unbalance can be determined precisely for all rotors having a disc-shaped geometry.

High process reliability with greater flexibility

The static measuring principle does not require rotation of the rotor for measuring unbalance. This eliminates the need for safety shrouds, offering substantial savings in cost, and reducing the footprint of the balancing machine. **Taro** requires no foundation; simply set up the machine, fasten three bolts, connect power, and the machine is ready to balance. Further, without a foundation requirement easy integration of the **taro** into your existing automated balancing process, or as a stand-alone machine is easily achieved. The easy and fast set-up facilitates integration of the **taro** in existing processes – from manual to fully automatic.





CAB 945 simplest operation and clear representation of the balancing results

Optimal operational reliability with lowest operating costs

With the new, unique measuring principle incorporating three measuring sensors, the **taro** is the first non-rotating balancer offering permanent calibration. This allows for immediate availability of your balancing machine without the need for the time consuming tasks of calibration and taring associated with previous machines. Changing rotor types is now quick and seamless. Through this new measuring technology the **taro** is impervious to external shop influences and overloading, eliminating the need for complicated loading devices or expensive lifting tables.

Energy efficient and low maintenance

With its non-rotational operating principle the **taro** is very economical. As rotors are not rotated for unbalance measurement, the energy required for the balancing process is a fraction of the energy consumed when balancing rotors with traditional rotating balancing machines.

Furthermore, the **taro** has a minimal amount of moving parts, rendering the machine practically free of wear-and-tear, thus offering very economical operating and maintenance costs, over a long period of time.



Machine type	Static scales			
	Taro 600	Taro 1600	Taro 3600	
Capacity of measuring unit	kg	< 600	< 1600	< 3600
Measurable unbalance, max.	kgm	20	50	100
Measurement uncertainty	gmm	600	800	1200
Measuring time	sec	3...7	5...12	5...12
Normal voltage		100–230V / 50–60Hz		
Dimension	H, W, D	826 x 1050 x 1050 mm		

SCHENCK

Balancing and
Diagnostic Systems

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