

## Static Balancing Scale

# VS



### Advantages

- Short measuring time, no ramp- and braking time.
- No mechanical strain on workpiece during measurement.
- Simple loading and unloading; freely accessible from above.
- Operation without protection device.

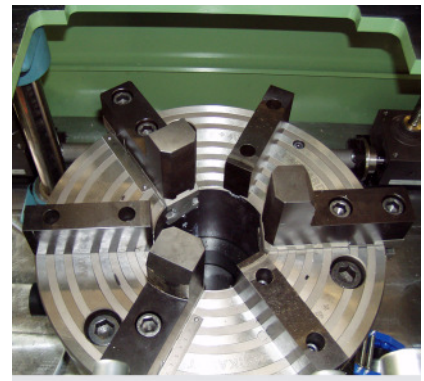
VS13

### Applications

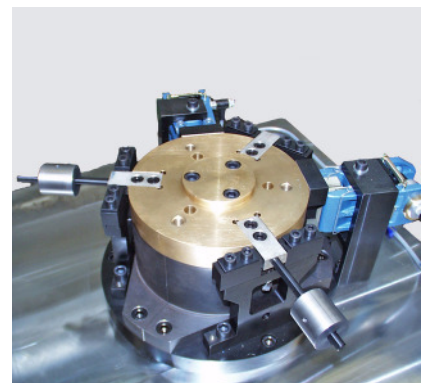
- Measuring of the static unbalance of any disc-shaped part without rotation. This enables measurement of workpieces with:
  - little strength,
  - large mass.
- Application in:
  - single piece or volume production,
  - maintenance,
  - receiving inspection.
- Unbalance correction by:
  - addition of weight on the machine,
  - removal of weight on a separate correction unit.

### Description

- Vertical balancing machine for measuring of the static unbalance of a workpiece using gravity.
- Workpieces are centered with a holder.
- The size and location of the unbalance is determined by a precision bending rod.
- The measuring computer can display, as required:
  - Unbalance in polar or component format.
  - Correction values for adding or removing of weight.
- Simple conversion using stored workpiece data.

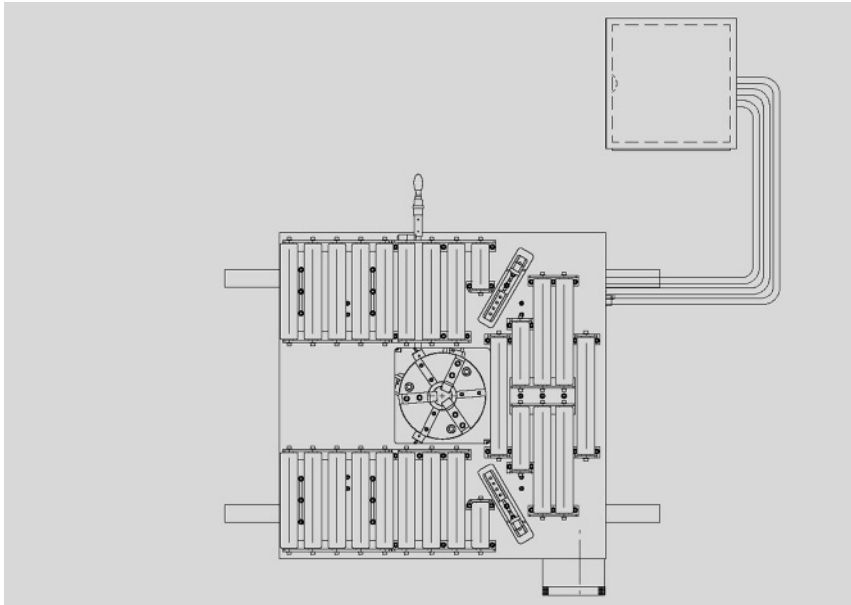


Expanding holder



Measuring unit

**All information without obligation, subject to change without notice**



VS11

Plan view VS13

## Technical data

		VS4	VS11	VS31	VS12	VS62	VS13
<b>Rotor:</b>							
Weight, max. <sup>1)</sup>	kg	4	10	30	100	600	1000
Diameter, max.	mm	1000	1000	1000	1500	2000	2000
<b>Machine:</b>							
Initial unbalance, max.	kgmm	5	5	40	80	800	850
Measuring uncertainty <sup>2)</sup>	gmm	7	15	35	50	580	800
Measuring time	sec.	3	3	3 - 5	3 - 5	4 - 6	4 - 6

<sup>1)</sup> Rotor and holder

<sup>2)</sup> Measuring uncertainty as per DIN 1319 without holder/adaptor errors

## Options

- Holder
- Roller lifting table
- Test rotor with calibration weights
- Report printer
- Handling system
- Automatic loading
- Interfacing with host computer

## Scope of supply

- Machine frame with precision bending rod measuring system
- Overload limitation and pneumatically activated detent of measuring unit for loading and unloading
- Mounting flange for holder
- Measuring computer