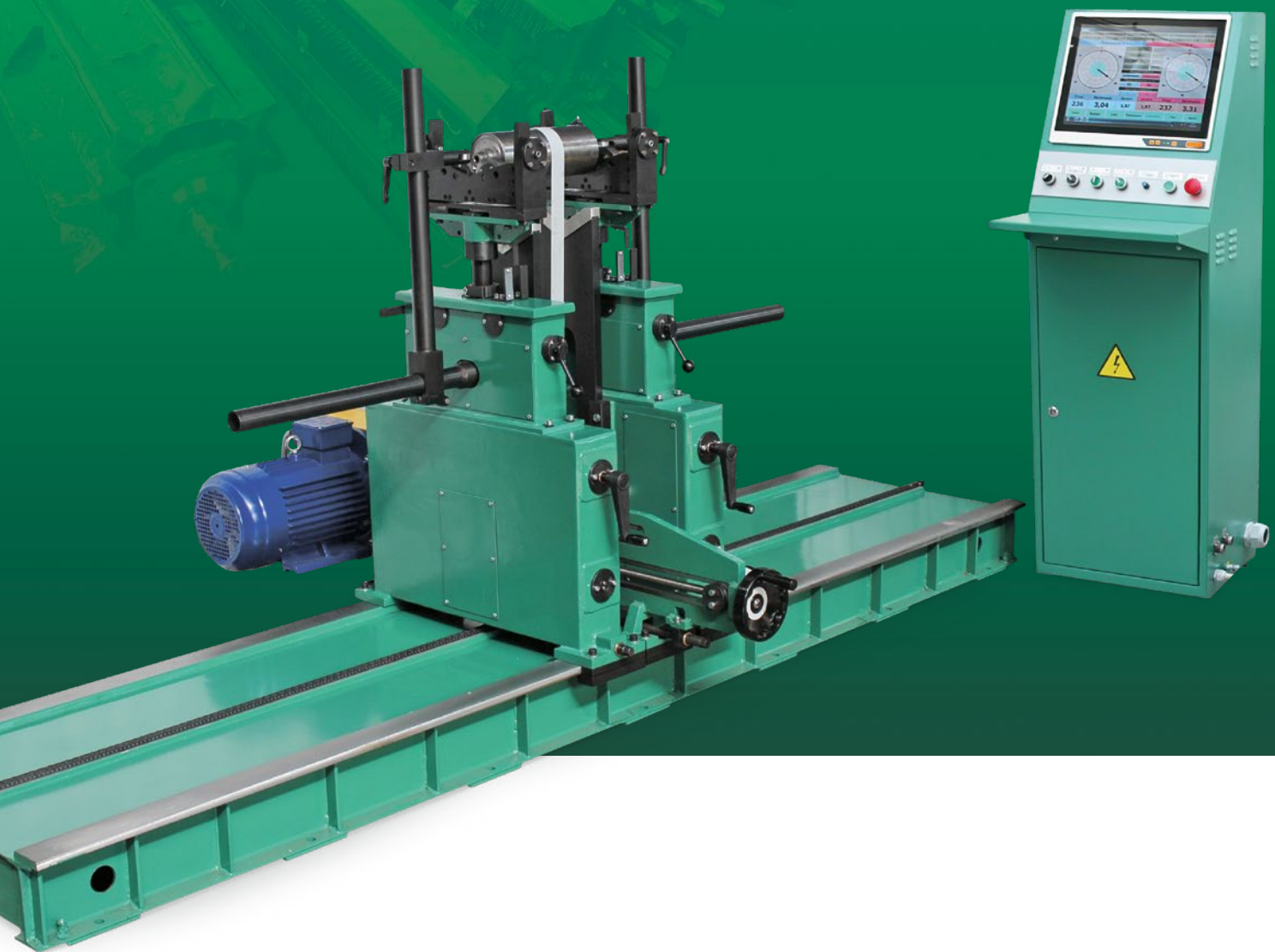


SOFT-BEARING HORIZONTAL BALANCING MACHINES



We make balancing easier

- Manufacturing of balancing machines for various workpieces of all types and sizes.
- Equipment and tooling are offered only in accordance with specifics of your business.
- Training of personnel to working skills on the machine.
- Commissioning and adjustment works at the customer's location.

BALANCING MACHINE

9K717

Universal soft-bearing balancing machine designed for rotors weighing up to 1000 kg. It features self-aligning roller blocks and a belt drive for smooth and accurate operation.



BALANCING MACHINE

9K718

Horizontal soft-bearing balancing machine is designed for rotors up to 3000 kg. It is equipped with self-aligning roller blocks, a belt drive and integrated lifting devices for easy placement of the rotor.



Manufacturing balancing machines FOR EVERY NEEDS

BALANCING MACHINE

9K718M

Horizontal soft-bearing balancing machine is engineered for balancing heavy rotors weighing up to 8000 kg.

Self-aligning rollers ensure proper rotor alignment, simplifying setup and reducing balancing time.

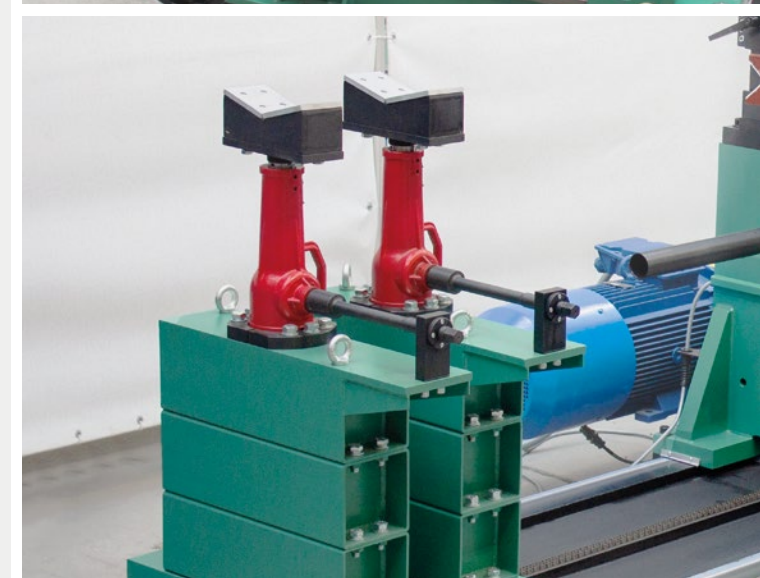


Combined Drive System has a unique configuration with two axial drives and a belt drive mounted on a single bed.

Integrated jacks facilitate safe and efficient loading and unloading of heavy rotors.

Highlights

1. **Soft-Bearing System:** This system ensures linear sensitivity across the entire speed range during balancing. The result is exceptionally high balancing accuracy, achieving up to 0.4 g·mm/kg across all rotor mass ranges.
2. **Self-Aligning Roller Cassette:** The self-aligning roller cassette automatically adjusts to the rotor along two axes, eliminating the need for precise centering. This design reduces machine setup time and, consequently, the overall time required for balancing.
3. **Wide Contact Area Rollers:** The cylindrical rollers provide a broad contact surface, preventing scoring or deformation of the rotor's support surfaces. This is crucial when balancing heavy rotors for extended periods, minimizing the risk of damage due to prolonged contact or improper loading.
4. **Rotor Loading System:** Specialized loading devices can be integrated to ensure smooth and precise rotor placement onto the roller supports. This minimizes the risk of damage to the delicate roller assembly, particularly when handling heavy or sensitive rotors.



PAK-1 Unbalance Measuring Unit

PAK-1 represents a new generation of measurement and balancing systems capable of addressing any balancing challenge. Its ease of use, high measurement accuracy, and integrated specialized features enable balancing professionals to achieve outstanding results in the shortest possible time.

Product range

Dynamic balancing machine: Model	9K716	9K717	9K718	9K718M
Mass range of balanced rotors, kg	3-300	10-1000	30-3000	80-8000
The largest diameter of the balanced rotor, mm	1800	2000	2300	2600
The distance between the middle of the rotor bearings, mm	140-2000	250-2400	350-3000	400-5000
The diameter of the supporting journals of the rotor, mm	10-240	15-270	20-400	30-420
Minimum achievable residual specific imbalance, g·mm / kg	0,4	0,4	0,4	0,4
Electric motor power, kW	4	7,5	15	22
Rotor rotation speed range, rpm	300-2800	300-2000	300-1500	200-1300

In some cases the specific needs of the customer may differ from the standard specifications of the machine.

Almost any machine parameter related to a balanced rotor (diameter, length, weight, etc.) can be modified at the customer's request.



Reliable and productive



No need for expensive
maintenance



Fast payback time

**Our machines make your
business more profitable!**

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We make balancing easier

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