DYNAMIC BALANCING MACHINES

Use our balancing machines to make your service better

CRANKSHAFT BALANCING MACHINE

9D715US

The 9D715US balancing machine is a high-precision equipment specially designed for balancing crankshafts in engine overhaul shops.

The machine is capable of balancing various types of crankshafts, balancing crankshafts complete with flywheel and pulley, including V-type crankshafts with attached bobweights.

The drilling module allows unbalance correction by drilling counterweights directly on the machine.

Specifications

Mass range of rotors, kg	3 – 300
Maximum rotor diameter, mm	1100
Bearing center distance, mm	150 – 1350
Bearing journal diameter, mm	20 – 140
Minimum achievable residual specific imbalance, gmm / kg	0,4
Rotor drive	Belt
Balancing speed, rpm	300 – 1500
Electric motor power, kW	2,2
Power supply	400 V, 3 Ph

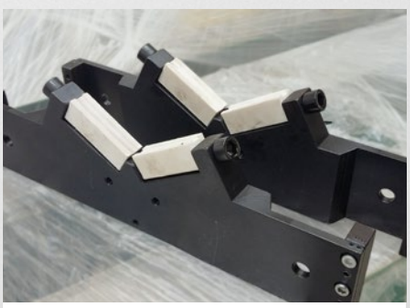
Key features

- High accuracy 0,4 gmm/kg = 0,4 μm.
- Real-time balancing process.
- Short unbalance measurement time.
- Maximum machine sensitivity with operator-controlled setup and calibration.
- Replaceable sliding V-bearings allow gentle crankshaft balancing.
- Measures large initial unbalances without damaging the machine.
- Belt drive design for rotating any rotor.
- Vertical drilling unit for unbalance correction directly on the machine.
- Narrow support stands enable balancing of crankshafts with narrow journals.
- Smooth speed control and acceleration through a frequency inverter drive.

Options

Drilling module

V-6/V-8 Bobweights Kit



Sliding V-block bearings

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