

ERBESSD INSTRUMENTS®

EI SERIES

Balancing Machines

EI-300

The ideal balancing machine for all types of rotating parts up to 300kg including rollers, motor rotors, crankshafts, mills, and many others.



The floating bases of the EI-300 are manufactured **tough** and **light** to reduce mechanical inertia.

TECHNICAL SPECIFICATIONS

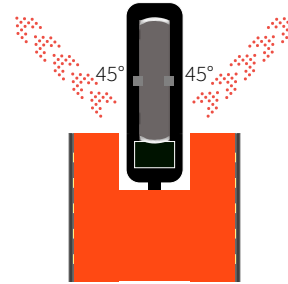
Dimensions: 2020 x 1007x 1275 mm	Sequential unbalance reduction: 95%	Weight: 302 kg (666 lb)
Max rotor diameter: 670 mm (26 in)	Max weight per base: 150 kg (330 lb)	Power transmission: V Band, Type A
Max journal diameter: 160 mm (6.2 in)	Max SBS displacement: 35 mm (1.3 in)	Lubrication: Manual
Precision: ±0.01 mm/s	Accelerometer Sensitivity: 100 mV/g	Residual unbalance: 2 gr·mm/ 100kg rotor
Min/Max symmetric load: 1 kg (2.2 lb) 150 kg (330 lb)	Min/Max distance between supports: 190 mm (7.4 in) 1790 mm (70.4 in)	Motor features: 2.24 kW (3 hp) 220 / 440 V, 3 phases, 4 poles
	Speed driver (VFD): Included	

For more information. Visit our **YouTube** page.

<https://www.youtube.com/c/ErbessdinstrumentsOfficial>

Every balancing machine in the **EI Series** has a **Soft Bearing Suspension (SBS)** built in.

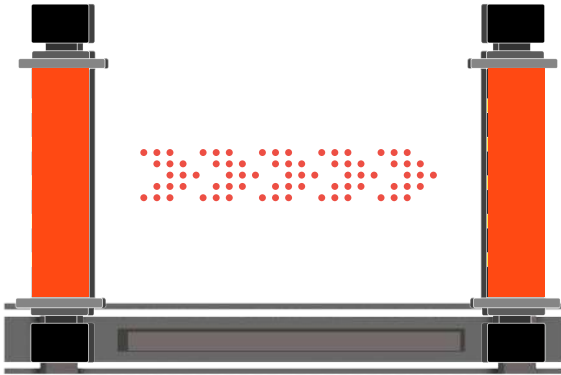
The **SBS** technology guarantees the most reliable balancing with the easiest to use software.



The **SBS** base has the capability to rotate itself within it's axis and has an **horizontal 45° tilt**. These features protect the poles and provide maximum **durability**.

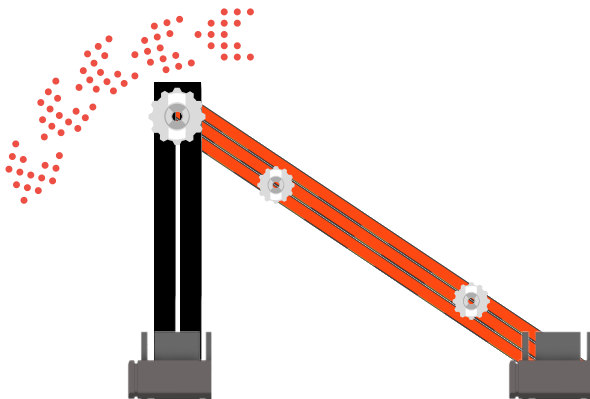
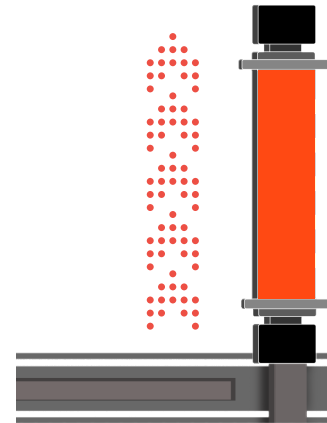


ADAPTABILITY LIKE NO OTHER



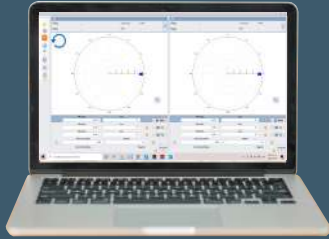
The EI 300 **pedestals can be adjusted** to adapt to a wide variety of shafts.

The **height** of the base **can also be changed** to fit rotors with different diameters.



And the **transmission adjuster** will help you achieve the perfect height and tension between the bench and your rotor.

INCLUDED DEVICES



DigivibeMX

Balancing software for 1 and 2 planes
 Calculator with 12 functions
 Balancing Wizard & in situ
 Quality grade
 Polar graphics with vibration phase



Accelerometers AC500 (2)

Sensitivity: 100mV/G
 Frequency response: 0.32-10 KHz
 Magnetic base included
 Made of stainless steel
 Standard 3 pin MIL connector



Laser optical sensor

Analogic output
 Range 1-5,000 Hz
 Operation distance: 20 cm to 15 cm
 Nylamid body
 Magnetic base and cables included



GX400

Up to 4 monoaxial accelerometers or 1 triaxial and 1 monoaxial accelerometers
 Cables included
 Compatible with 5V sensors
 Sample rate: 48,000 Hz
 Frequency range: 0.5 - 20,000 Hz
 Use it for dynamic balancing and vibration analysis

The **EI-300** also includes one of the most powerful **motors** in the market and a high quality **speed driver**.

ADDITIONAL ACCESORIES

Negative load support



Accessory required to secure rotors with high vibration levels like crankshafts. Ensures your balancing is more **secure** and **precise**.

Tablet Windows Surface

One of the most powerful Windows tablets.

The perfect device for dynamic balancing using **DigivibeMX**.



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