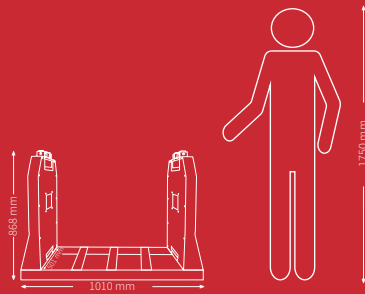# EI SERIES

Balancing Machines

EI-150

The ideal balancing machine for all types of rotating parts up to 150kg including rollers, motor rotors, crankshafts, mills, and many others.

Dimensions of the Balancing Machine

868 mm

1010 mm

1750 mm

The soft bearing suspension of the EI-150 are manufactured **tough and light** to reduce mechanical inertia.

TECHNICAL SPECIFICATIONS

Dimensions:
1010 x 868 x 501 mm

Sequencial unbalance reduction: 95%

Weight:
79 kg (175 lb)

Max rotor diameter:
660 mm (26 in)

Max weight per base:
75 kg (165 lb)

Power transmission:
Flat Belt

Max journal diameter:
180 mm (7 in)

Max SBS displacement:
20 mm (0.78 in)

Lubrication:
Manual

symmetric load:
Min:0.5 kg (1.1 lb)
Max:75 kg (165 lb)

Precision:
±0.01 mm/s

Accelerometer Sensitivity:
100 mV/g

distance between supports:
Min:60 mm (132 in)
Max:831 mm (1832 in)

Residual unbalance:
0.02 gr·mm/kg

Motor features:
1.5 kW (2 hp)
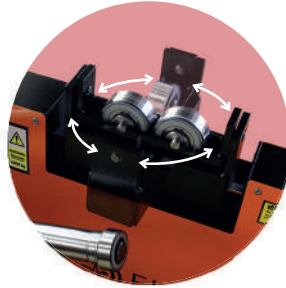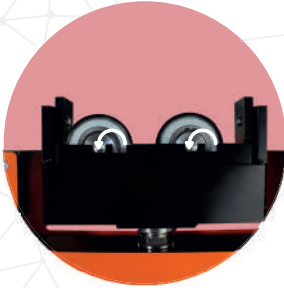230 / 460 V, 3 phases,
4 polos

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** 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.**

Device Model Yaskawa: GA500
Rated Voltage: 200 to 240 V
Capacity Range: 240V
Singlephase: 1/6 to 5HP (0.1 to 3.7 kW)
Input Frequency: 50/60 Hz
Output Frequency: 0 to 590 Hz

Mobile App DriveWizard

Device diagram

220V → VFD →

Singlephase or treephasic
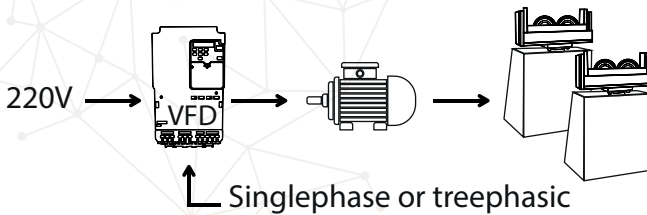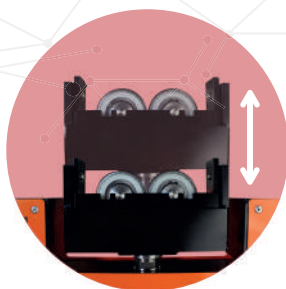
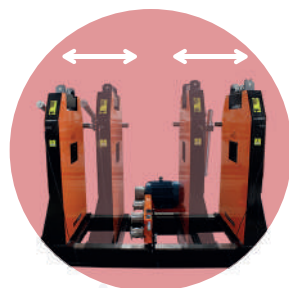Download the DriveWizard App here

Google play   Apple Store

ADAPTABILITY LIKE NO OTHER

The EI-150 **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 achive the perfect height and tension between the bench and your rotor.

Configuration of the belt
The configuration of the pulleys depends by the dimeter of the rotors on which the belt acts, it is important that the belt be the most vertical possible in the fall (yellow zone)
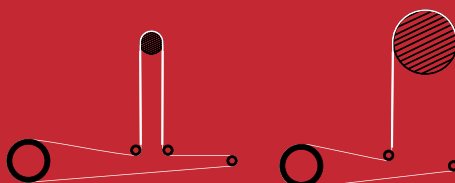
INCLUDED DEVICES

DigivibeMX

Balancing software for 1 and 2 planes

Calculator with 12 functions

Balancing Wizard for balancing In-situ or using Soft Bearing Suspensions

perzonalice 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

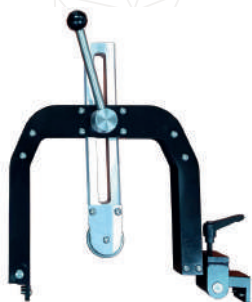Compatible with 5V sensors

Frecuency range:
0.5 - 20,000 Hz

Use it for dynamic balancing and vibration analysis

Sample rate: 48,000 Hz

The **EI-150** also includes one of the most powerful **motors** in the market and a high quality **speed driver.**

ADDITIONAL ACCESORIES

Negative load support

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

Tablet Windows Surface

One of the most powerful Windows tablets.
The perfect device for dynamic balancing using **DigivibeMX.**

EI Control Module Optional

Ideal accessory for storage and organization of balancing devices such as computer, interface and tools. Keep your equipment in order with this control panel.

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