System Specifications

PRECIBALANCE ELECTRONICS



- Compatible with industry standard ICP type accelerometer
- 2 Channel unbalance measurement.
- 90-4000 RPM balancing speed. Higher speeds available on request.
- PNP / TTL input for RPM sensor. Compatible with industry standard sensors.
- 90-230VAC 50/60Hz power supply
- Selectable grade of balancing from G1, G2.5 and above.
- Job should run at stable speed
- · Weight 1200 grams
- Size 390 mm x 160 mm x 40 mm

RPM Sensor - Standard supply specification



 Fiber optic laser sensors are used to provide electrical noise immunity from VFDs, inverters and other equipment. Compatible with industry standard units

Accelerometer - Standard supply specifications



- ICP Compatible output
- 100 mV/g sensitivity nominal
- Mil C5015 connector
- Built-in charge amplifier

PRECIBALANCE Dynamic Balancing Machines (P) Ltd.

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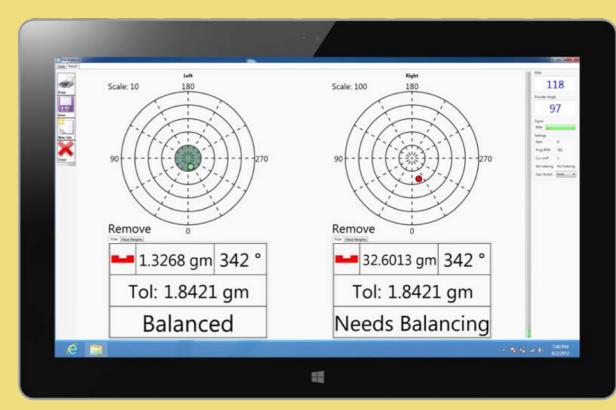
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PRECIBALANCE SITE BALANCER MODEL PSB-15W





PSB-15W is the latest generation of portable measuring instrument to measure unbalance at site and balance either in single or two plane.

The main causes of vibration are unbalance, bent shaft, misalignment and bad bearings.

Except unbalance, other causes can be detected by physical inspection using simpler tools.

The users need an instrument to measure unbalance that is simple to operate.

PSB-15W can be used at site wherein unbalance is the main cause of vibration.

Single or two plane balancing is available enabling the user to handle wide range of jobs.

The Bluetooth connectivity is a standard feature along with balancing program in Windows enabling the user to use off the shelf man machine interfaces like Phones, Laptops, Tablets and Pcs.

PSB-15W is designed to be in service for many years. Software upgrades will be provided in line with change of hardware and OS free of cost to all users of PSB-15W.

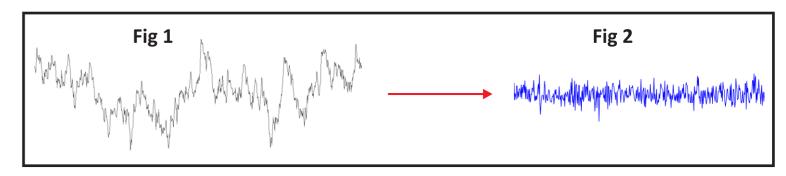
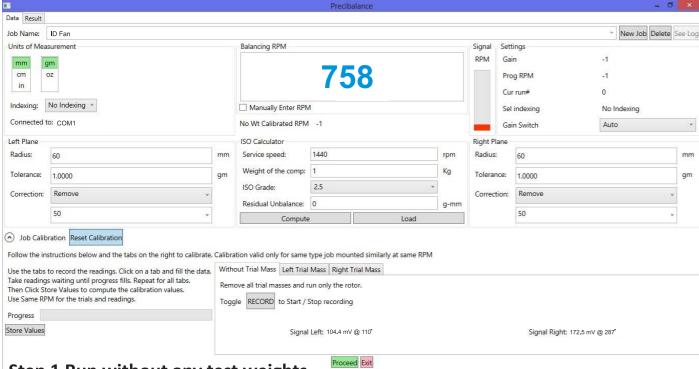


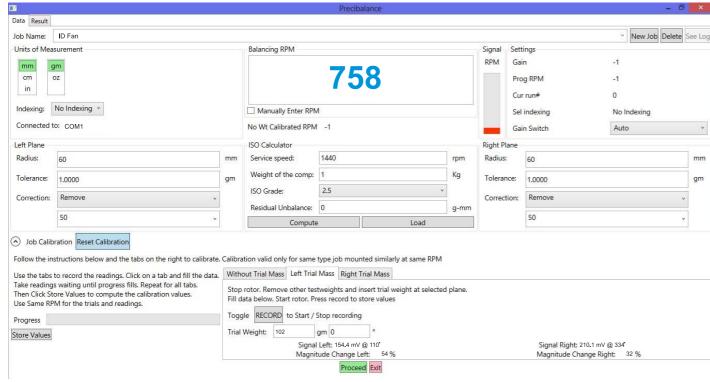
Fig 1 shows vibration signature where in unbalance is dominant factor generating the vibration.

Fig 2 shows the vibration signature on a balanced system.

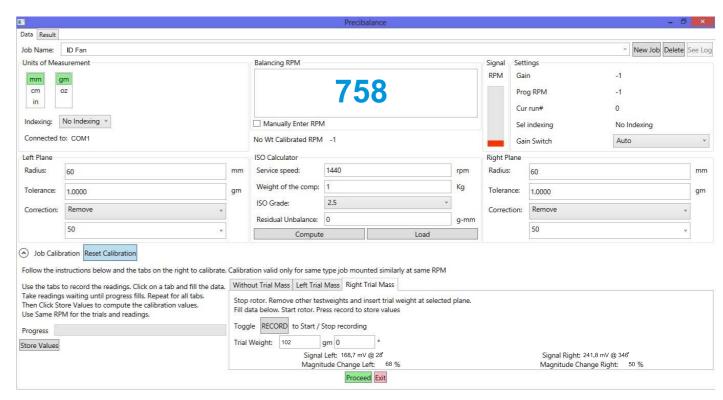
FIELD BALANCING MADE SIMPLE WITH PSB-15W IN 4 SIMPLE STEPS.



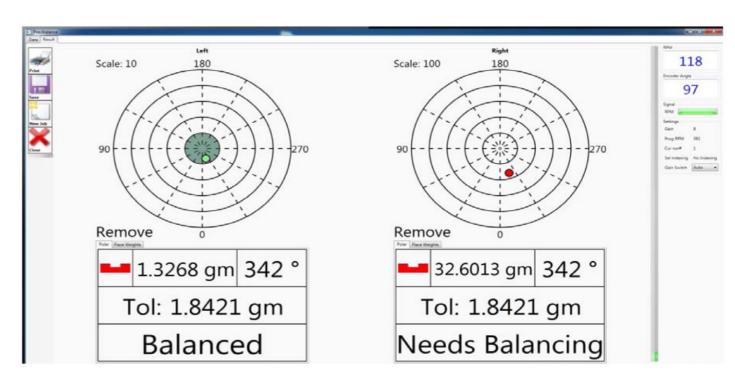
Step 1 Run without any test weights



Step 2 Run with test weight on left side



Step 3 Run with test weight on right side



Step 4 View result and do the balancing

In case balancing is not satisfactory at this level, you need to repeat all the four steps again, retaining the balancing already done.