



# Mobile Balancer

## FMB-100 Dynamic Balancer



*Affordable!  
Complete kit just \$2,400*

The Fecon FMB100 is an extremely cost-effective solution to the damaging vibration caused by rotor imbalance. The FMB-100 mobile balancer tells you how out-of-balance the rotor is (magnitude), and where adjustments are needed (phase/angle). Once balanced, the difference is amazing!

*Reduce fatigue on...*



*Simple, Affordable DIY Mobile Balancer*

**1** FECON  
2312 RPM  
0.92 IPS @ 133

Real Time Readings Include RPM,  
Vibration Magnitude and Location

**2** FECON  
AVERAGING

Averaging Mode to  
Get Extremely Stable Reading

**3** FECON  
2309 RPM  
0.90 IPS @ 133

Final Reading Held on Display  
Add/Remove Weight Where Indicated



# Mobile Balancer

## FMB-200 Dynamic Balancer



**Just \$4,400  
including NIST  
Traceability and Scale!**

The Fecon FMB-200 is a state-of-the-art dynamic balancer with full spectral analysis. Not only can it walk you through the balancing process, indicating where to add weight and how much, it also analyzes all frequencies to help troubleshoot vibrations that are not from rotor imbalance. It can tell the difference between a rotor imbalance a failing bearing or bent shaft and other issues that cause vibration.

<p>330 0 30 270 60 240 90 210 120 150 180</p> <p># of Prop Blades Number: 3 Change using arrow keys</p>	<p>330 0 30 300 60 270 90 240 120 150 180</p> <p>Scale 2IPS</p>	<p>2090 RPM (34Hz)</p> <p><b>Left Channel</b> 1 .67 IPS @ 305 Deg</p> <p><b>Right Channel</b> 1 .07 IPS @ 133 Deg</p>	<p>330 0 30 300 60 270 90 240 120 150 180</p> <p>Bolt 1 is black Numbered Clockwise Bolt 5: 28.1g @270 90 Bolt 4: 28.1g @210</p>	<p>Acceleration Mode (in/Sec<sup>2</sup>)</p> <p>500 375 250 125 0.0</p> <p>0 40 80 120 160 200 Hz 2.4K 4.8K 7.2K 9.6K 12.0KPPH</p>
<p>&lt;&lt; Back Next Help Harmonic Spectra Accept &gt;&gt;</p>	<p>HELP Polar Harmonic Vel [Acc]</p>	<p>HELP Polar Harmonic Vel [Acc]</p>	<p>HELP Polar Harmonic Vel [Acc]</p>	<p>HELP Polar Harmonic Vel [Acc]</p>
<p><b>Graphical Setup</b> Simplifies the entire balancing process</p>	<p><b>Live Polar Charts</b> Up to two channels of live polar plots</p>	<p><b>Mass Balance Solutions</b> How much weight is needed, and where</p>	<p><b>Spectral Analysis (FFT)</b> Track down complex vibration problems</p>	<p><b>Spectral Analysis (FFT)</b> Track down complex vibration problems</p>

### Why the FMB-200?

Mulcher vibration can be caused by a wide range of sources. Most often, it is simply a mass imbalance of the rotor assembly. Even a statically balanced rotor can vibrate and needs to be dynamically balanced. It is virtually impossible to balance every rotating component then mount each perfectly. Even the simple act of remounting a rotor can cause a mass imbalance due to slight alignment changes. The FMB-200 graphically guides you through the dynamic balancing process so you can balance quickly and easily requiring the minimum number of runups.

But sometimes, balancing isn't enough. Not all vibrations are due to rotor assembly issues. Since the FMB-200 analyzes the entire spectrum of vibration frequencies it is able to tell the difference between a rotor imbalance a failing bearing or bent shaft and other issues that cause vibration. The first step toward fixing a vibration problem is identifying the source. And that's where the FMB-200 advanced frequency analysis features give you the information needed to quickly find and fix all types of vibration problems.