

Bently BALANCE*

system extender

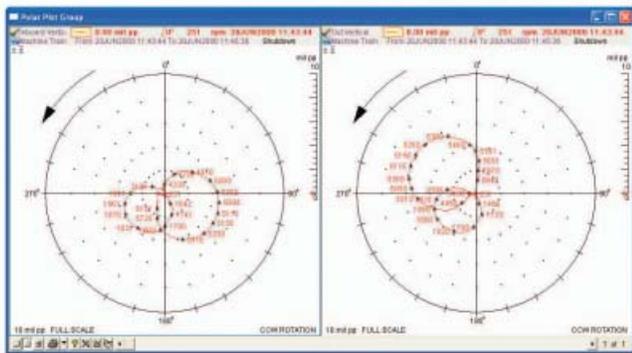
The Bently BALANCE software is a multi-plane machinery balancing product that saves plants money by providing sophisticated, user-friendly tools to more efficiently balance their machinery. Since imbalance is the single most common machinery malfunction, a way to quickly balance even the most complex machines is critical. Bently BALANCE has proven extremely valuable to our customers and our own machinery diagnostics engineers by giving them a simple way to balance even the most complex multi-plane problems, decreasing the outage time and number of shutdowns often required to manually balance a machine. Bently BALANCE is now a System Extender for System 1*, with the ability to bring in machinery data from the System 1 database, further speeding up the balancing process across a wide range of machines, and enabling comparison between machines.

Benefits

- Reduce maintenance costs
- Maximize plant availability
- Mitigate operational risks

Capabilities

- Machine balancing for a range of speeds under different load conditions
- Simultaneous display of multiple weight planes
- Supports 32 measurement planes and 16 correction planes
- Vector calculator tools, including auto weight-split determination
- Automated weight split calculations
- User defined weight reference
- Configuration wizards
- Interfaces to Microsoft** Excel, ADRE* and System 1
- Ability to store both predicted and actual results
- Highly graphical user interface
- “What if” analysis by dragging and dropping weights on “virtual” rotor



Handles Complex Multi-Plane Balancing

Bently BALANCE is powerful enough to balance single or multiple rotor systems at discrete speeds or over a range of speeds under varying load conditions even when influence vectors are not available and when the number of correction planes does not equal the number of measurement planes.

Graphical Simulations of Proposed Balancing Solutions

Simulations or “what if” scenarios can easily be run by dragging and dropping weights on a “virtual” rotor to immediately see the effects before implementing a solution. Graphical weight maps of known and unknown weights are generated including discreet holes and slotted configurations. The user can see the effects of placing or moving a weight in one plane and the resulting influence on other planes.



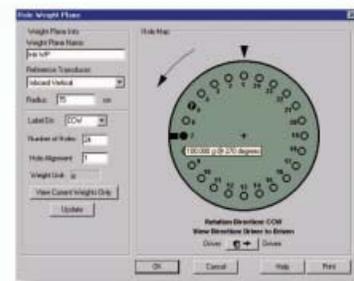
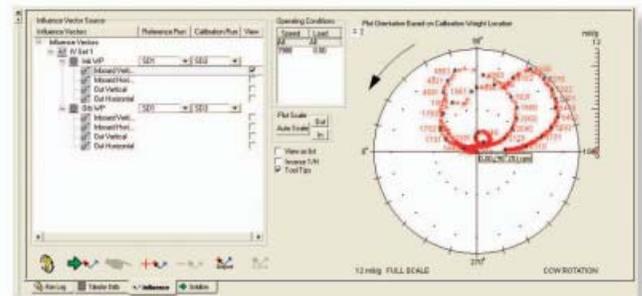
Simultaneous display of multiple weight planes

Multiple weight planes can be displayed on a single screen to see the effects of the proposed balancing solution across an entire machine.

Services and Training available

If you prefer to have our professionals balance your machinery for you, we can provide services that first confirm unbalance as the underlying problem and then correct it. We also provide machinery management services, which encompass all aspects of machinery condition, not just balancing.

In addition to product and service offerings, comprehensive training related to balancing is available. We teach you how to properly diagnose and correct unbalance, how to distinguish unbalance from other malfunctions, as well as the principles of fundamental rotor response.



- For complete product specifications and ordering information:
- contact your local salesperson
 - call 775-782-3611 and ask for “System 1” at the prompt
 - e-mail us at system1info@ge.com
 - visit our Web site at www.gepower.com/system1

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