

## ALERT MULTIPLANE BALANCE™

ALERT MULTIPLANE BALANCE™ IS A MULTI-PLANE, MULTI-SPEED BALANCE PROGRAM THAT WILL ALLOW YOU TO BALANCE SIMPLE OR COMPLEX MACHINERY WITH MINIMAL EFFORT.

Field-balancing experts designed ALERT Multiplane Balance, so you can expect a system that allows you to work both efficiently and effectively.

The system allows in-place balancing of machinery in one to four planes. Its multispeed optimization capability provides optimum balance solutions at up to three different speeds, providing the best correction solutions for variable speed machines.

- 1 TO 4 PLANE BALANCING
- EFFECTIVE ON VARIABLE SPEED MACHINES
- LIVE VECTOR DISPLAYS
- ADVANCED GRAPHICS AND REPORTING CAPABILITY
- EXTENSIVE ON-LINE HELP

The intuitive user interface provides streaming phase/amplitude and speed information so anomalies can be quickly identified. The live vector display shows a continuous visualization of the machines' dynamic state. Balance history is provided with logical "vector progressions" so progress can be graphically identified and understood.



During your balance work, log files of RPM, phase and rotational rate vibration amplitudes may be captured to be later viewed in a text editor or Microsoft® Office Excel. This can be extremely useful to track phase instabilities, or to simply document amplitude and phase over time. In addition, Balance Quality reports can be generated directly from software to document the success of your balance work.

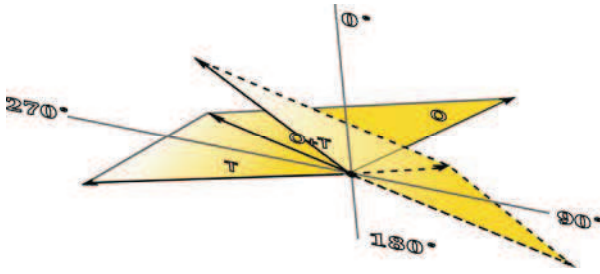
Your balance jobs are automatically stored in a local database, allowing you to call-up previous balance coefficients and perform trim balance runs at a future date. This is extremely important for large steam or gas turbine driven machines, where startup is a significant event.

Azima DLI provides a wealth of information in the Users Manual that describes the balancing process, including tips provided by experienced balancing professionals.



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## BALANCE ACCESSORIES

- Infrared Tachometer with Power Supply
- Multi-plane Balancing Software
- Electronic Scale
- Reflective Tape
- Carrying Case
- Balancing User Manual

## SPECIFICATIONS

### General

- 1 to 4 planes
- 1 to 3 Speed Optimization
- 1 to 3 Machine Operational Load Optimization
- Least Squares Fit
- Trim Balancing
- Store balance coefficients for future trim optimization

### Output

- Balance Quality Report
- Phase/Amplitude Output Text File (.CSV)
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### Platforms

- DCX Models - HH, HH3, 400, RT, XRT
- DCA-60
- DCA-50, DCA-50B

### Sensors

- Accelerometers
- Velocity Sensors
- Proximity probe
- volts dynamic
- ICP

### Increasing Phase Selections

- Opposite Direction of Rotation
- With Direction of Rotation

### Alerts

- Speed out of range
- Unstable amplitude

### Utilities

- Split Weight Calculator

### Polar Plots

- Amplitude and Phase
- 1-4 locations simultaneously
- Indicate trial runs and correction runs on same plot
- Zoom

### References (included with system documentation)

- Summary of ANSI s2.19-1989 - Mechanical Vibration - Balance Quality of Rotating Rigid Bodies
- Determine proper balance quality grade for your machine
- Overview of machine balancing
- Balancing procedure and considerations
- Balancing tips

*Specifications are subject to change without notice*



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