The IRD Balancing® Polymate data analysis and reporting manager is a software application tool designed to transfer, display, and store data from the Model 258 instrument. This software allows you to easily download data from your instrument straight to your computer. Data downloaded is then transferable to the Polymate software for further analysis, manipulation, and editing. From there, reporting is as easy as exporting data to the pre-defined report templates setup within Polymate. These functionalities provide a seamless interface between instrument, data, analysis, and reporting - making customer satisfaction simple.

**DATA ANALYSIS AND REPORTING MODULE**

**DIGITAL SIGNAL PROCESSING (DSP)**
Post processing of time-waveform data using a Fast Fourier Transform (FFT) method into Spectrum or Waterfall plots for detailed vibration analysis of any equipment.

**EXPORT RAW DATA AND GRAPHS**
Polymate is compatible with the Microsoft Suite along with other 3rd party apps. This allows you to export raw data, trends, spectral outputs, etc. into various reporting programs.

**CUSTOM BALANCE REPORTS**
With a trial weight balancing procedure, all applicable data is saved in a table format along with a new trend graph and polar plot. Balancing reports have never been so thorough.

**COMPATIBLE WITH ALL MODULES**
Run-Up Coast Down (RUCD), Balancing, Vibration Analysis, Bump Test, you name it. This platform provides detailed analysis, storage management, and reporting for all 258 Series II modules.

**Standard Features**
- DSP of time waveforms
- Accommodating of all 258 module data files
- Export data to third-party apps
- Highlighting, note-taking, editing for customized reports
- Various scientific units for viewing data
- Report Templates for each module
- FFT, Waterfall, Bode, Nyquist and more plots
- Embedded data management
- Dynamic cursors: harmonic, sideband, peak, among others
- Bearing database lookup feature
Accurate, Accessible Results are Key

BALANCING PLOTS
- Reports easily exported to Word or Excel through Navigation Menu
- Polar plots for both planes in two plane balancing
- Run history shown on polar plot with user-defined labeling
- Overall unbalance and speed shown with each plot

WATERFALL PLOTS
- Add notes for additional detail and annotations
- Easy to zoom in/out for clarity on spectral content
- Multiple ways to view the dataset within the waterfall plotting
- Graphs available for every distinct speed measured

ANALYZER AND BUMP TEST GRAPHS
- Multiple cursor types for viewing sideband, harmonic, or single frequencies
- Numerous display options editable for user ease-of-use and adaptability
- Multiple FFT graphs viewable for comparing separate data collections
- Summary of highlighted data set

About IRD
For 75+ years IRD®, or Industrial Research & Development, LLC has specialized in highly technical machinery that assists in the repair of industrial equipment. IRD® Balancing equipment allows customers to balance rotors of all sizes via soft-bearing technology which is more versatile and safer than hard-bearing technology. IRD® Balancing technology has advanced with the purpose of providing top-of-the-line balancing machinery across the globe. IRD® believes that excellence in workmanship and a high level of productivity are the key components to building long-term relationships with our customers.