CoMoStar software

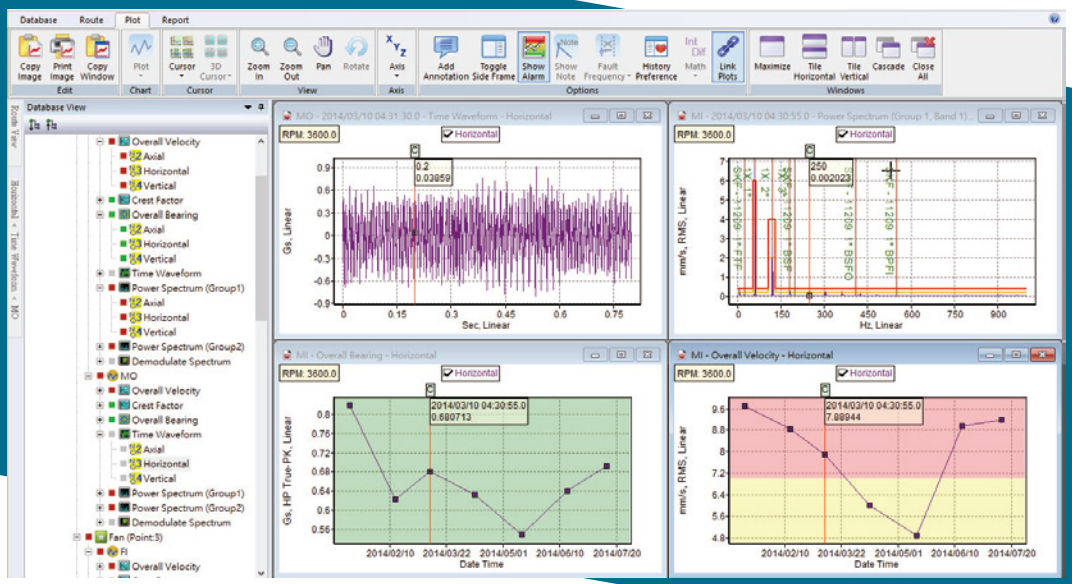
for route-based machinery condition monitoring



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CoMoStar software for route-based machinery condition monitoring



CoMoStar software was built to monitor the health condition of your important machines. It is easy to use, yet powerful. Easily build a database of your machines and create routes for data collection of monitored parameters, know about the alarm status to prevent from costly unscheduled shutdown and conduct fault analysis when necessary. CoMoStar software consists of 3 modes: **Database, Route, Plot and Report mode**.

Database mode

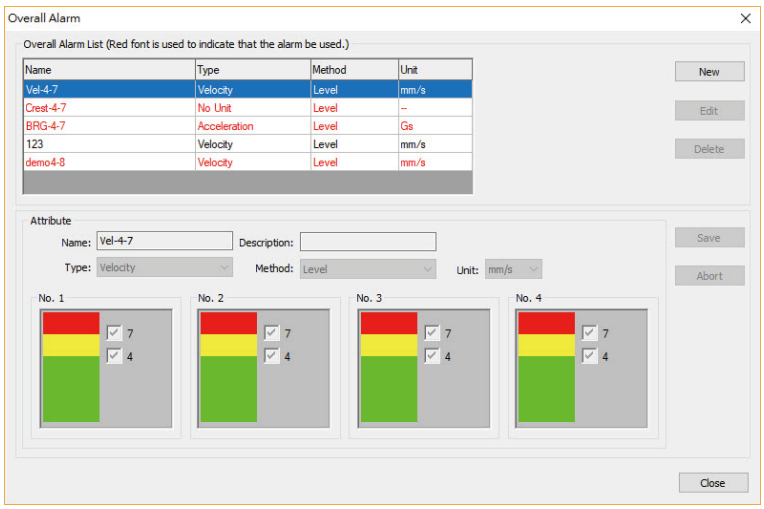
In this mode, you can create a database for the machines you are going to monitor, setup the monitored parameters for each point, create measurement routes and use them for data collection in the field, define the alarm status, fault frequency tables and more.

Monitored parameters

For each monitored point, CoMoStar allows you to select the desired vibration parameters and functions including: bearing condition values, various overall values, time waveforms, envelope spectrums, cepstrum, and up to 6 independent power spectrums.

Alarm setup and management

To create an alarm setting, first create the alarm setting for the "alarm category." This function is easily copied to similar machines saving key-in time at the point level. To make a change in alarm level, select the category level to make the change and all associated points will be changed, saving time.



Setup an alarm type for overall parameters.

Band Alarm

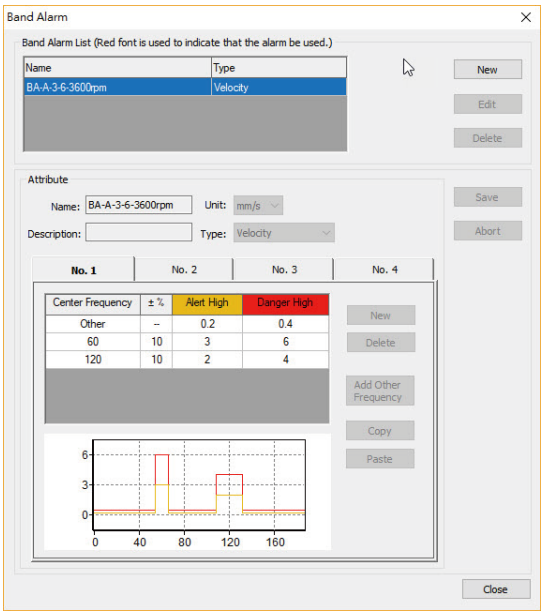
Create a specific band alarm to monitor the status on each spectrum as needed. This is very helpful when monitoring critical machines with a specific problem.

Fault frequency table

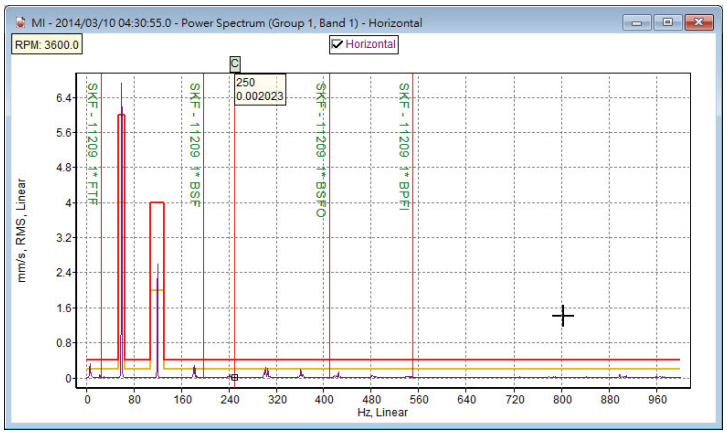
Create pre-defined fault frequencies from a database or user-entered parameters such as multiples of the rotation frequency, inner race, outer race frequencies of bearings and more. The display of the fault frequencies on spectral plot makes your vibration analysis convenient and simple.

Route Mode

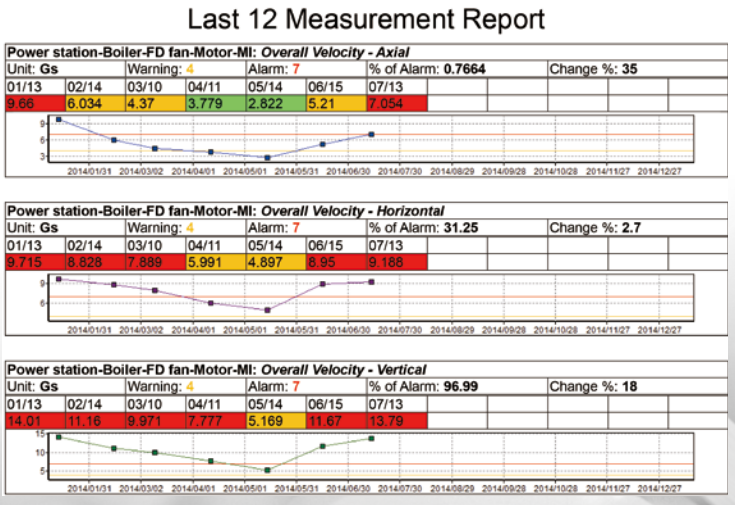
Create routes from selected nodes of the database, down-load routes to a data collector for collecting measured parameters in the field, and upload the archive data back to the database for further analysis.



Setup band alarm for spectral functions.



Show or hide alarm levels and fault frequencies on a spectral plot



Report wizard options enable you to create your own custom reports.

Plot mode

Diagnose and analyze machinery root causes. View live or historical spectral and time waveform plots, synchronize your cursor across multiple spectral or time waveform plots to easily view trend data. Enable alarm levels, fault frequencies and other diagnostic functions with a simple click of an icon and more.

Report mode

In the report mode, generate custom reports with selected formats and custom options with the built-in report setup wizard.

Specifications of CoMoStar software

Operational modes	Database, Plot and Report.
Hierarchic levels	2~5 levels selectable.
Measurement types	Overall acceleration, overall velocity, overall displacement,crest factor, overall bearing, time waveform, power spectrum, cepstrum, envelope spectrum, Envelope scanning map, temperature and process parameters.
Alarm types	Overall & band alarm, edited by category.
Fault frequency	Bearing frequencies and user defined.
Bearing database	Editable more than 500 bearing database.
Chart types	Trend, time waveform, Spectrum and 3D waterfall and waterfall with band trend.
Cursor types	Single (multiple), harmonic, dual, side band, stay on peak.
Diagnosis tools	Show/hide fault frequencies or alarm levels on the plot.
Bearing condition	High-pass filtered true peak values.
Supported data collectors	MP5 4 channel data collector, VP5 4 channel data collector and vPod Pro single channel data collector.
Report types	Last measurement, last 12 measurements and historical measurements.

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