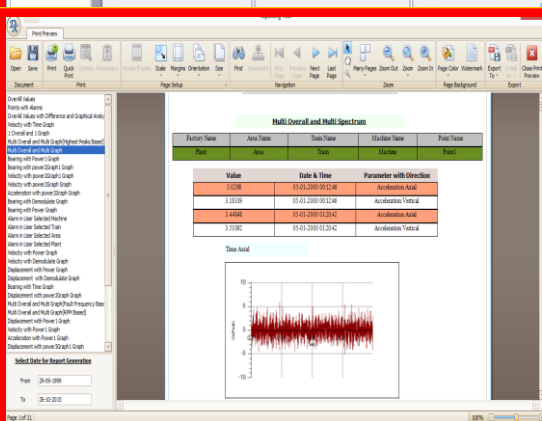
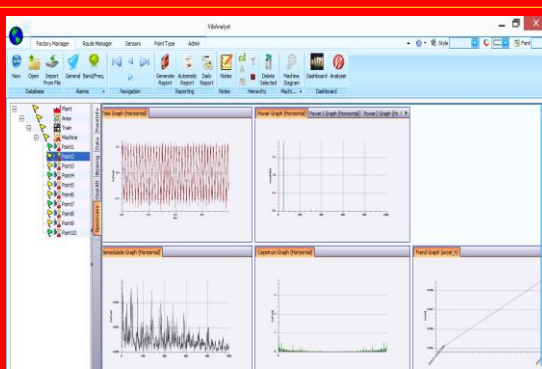




VibAnalyst™

Know Your Machine Better . .



OEM Products



Impaq Elite



Impaq



Fieldpaq-II



Fieldpaq



Oil and Gas



Marine



Power Plant



Manufacturing

VibAnalyst Condition Monitoring Technologies

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VibAnalyst™ is essentially a Vibration Data Management and Analysis Software. It stands **UNIQUE** in many ways and excels through a versatility of application and data management. It is designed to be a utility reducing planned and unplanned stoppages in any plant.

VibAnalyst™ therefore represents a utility that has plant wide applications. It is an ever expanding application aimed at improving UPTIME and increasing productivity. Factory Operations are dependent on control of machine vibrations. This is achieved through identification, detection, measurement and assessment. Simple hand-held devices like meters, data collectors and analysers participate in this process.

Unique Attributes

VibAnalyst™ has a unique characteristic of providing multiplicity. It has **five level of hierarchy** and this hierarchy can be automatically created from existing database. It can be singular as well as multiple in its hue. It can be a single license or networking license software. It can run on multiple types of databases and can interact with variety of data collector of different manufactures. It can operate from anywhere and everywhere and it can be used forever without up gradation. However it is also user to add upgrades at will. It has highly user-friendly Window like intuitive operation and navigation. It is equally simple to learn and provides conveniences for its user beyond expectation. With all this, high resolution display of 1152×864 pixels, and extensive route management capabilities, **VibAnalyst™** is an inexpensive utility.

VibAnalyst™ meets the need of efficient vibration data management and intelligent analytical formatting. It has simple and intuitive data display and structuring facility that make it highly user friendly. Several analytical features are embedded including **Octave Analysis**, **Shaft Centre Line**, **Fault Frequency overlaying**.

Facilities

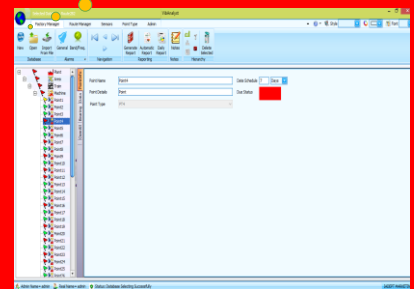
VibAnalyst™ lays emphasis on speed instead of memory use, and has simpler installation procedure. It provides Easy upload and download of data. In line with its core characteristic of multiplicity, it provides multiple manipulative options for every feature and function. This helps in facilitating intelligent formatting for identification of patterns and indications in the data. For any errors it creates Error Logs for correction as appropriate. This in turn becomes a great training and learning tool. Above all **VibAnalyst™** is open for Customization for OEMs. It has endless list of Facilities which can be only appreciated through personal experience.

VibAnalyst™ can apply create, Open, Modify, Delete, Upload, Copy, Paste facilities seamlessly across the Hierarchy and its nodes. The facilities Work smoothly on parameters, databases and on **several dozens of reports** available in **VibAnalyst™** in formats of **Word, Excel, PowerPoint, PDF, Images, HTML, MHT, RTF**.

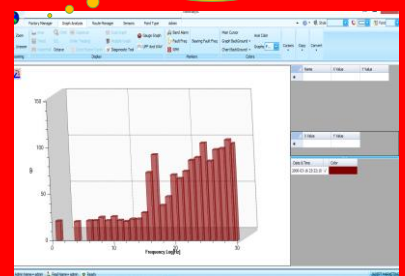
Software Requirements

- Windows Mobile Device Center
- Windows SQL Server CE
- HASP Driver

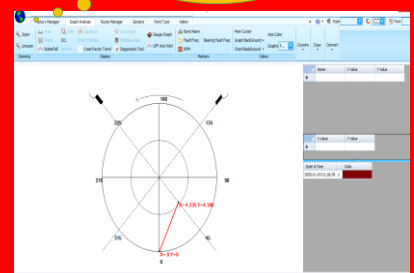
Hierarchy



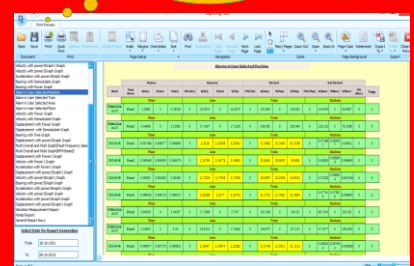
Octave



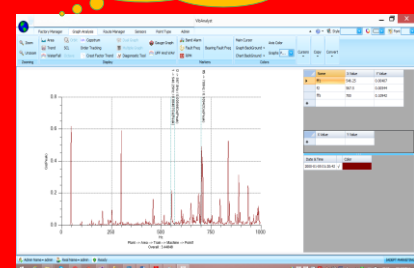
Shaft Centre Line



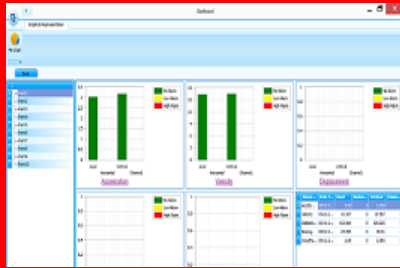
Report



Fault Frequency



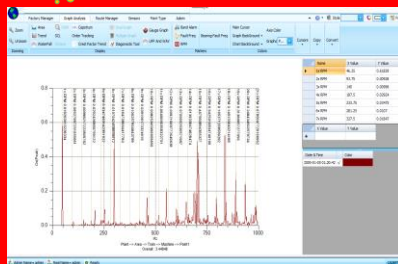
Dash Board



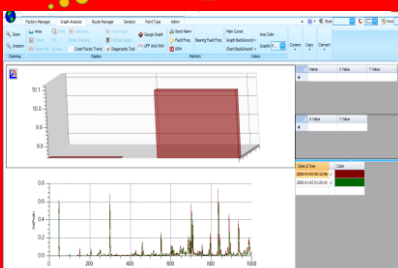
Machine Diagram



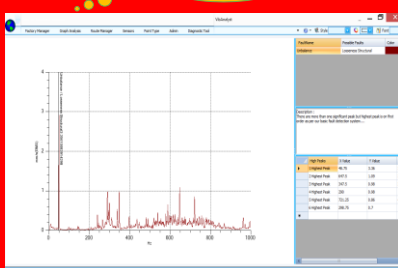
Harmonic



Crest Factor Trend



Diagnostic



Features

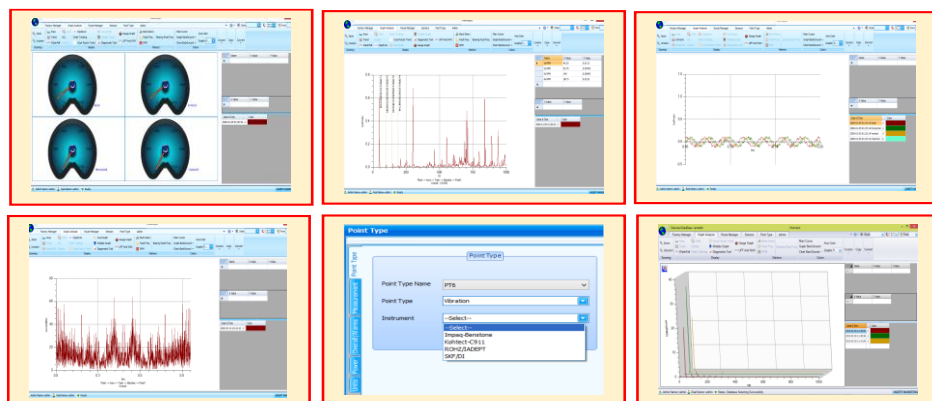
VibAnalyst™ opens with a Dashboard showing a bird's eye view status, via data in backend. It has fast but simpler navigation, naming prioritizing & labelling freedom with in the hierarchy. Backup storage of data, management of display toolbars & colours of graphs are very easy. Reporting has facilities for designation of layout in other word processors /spread sheets format. The customized of spectra and trend can be set at user's will and can be generated even when software is busy elsewhere. Coloured displays represent plant health at that point or level and are self-explanatory imports of pre-designed machine components n hierarchy. Feature of Crest Factor Trend is its unique speciality. Use of standard feature templates of Point Type & Sensor save huge time during creation of hierarchy.

Analytics

VibAnalyst™ incorporates a large array of analytical functions, managing, data/graph/zoom/area display/ alarm/ cursor management and single, dual or multidimensional analysis. The principles of multiplicity, flexibility & customization are applicable on all these. For example Harmonic cursor can be generated for different triggers and the display for each Harmonic can be customized. The defaults in all functionalities help the new user but experienced users can set customized functionalities.

Diagnostics

Diagnostics is used for monitoring and evaluating condition of a machine during operation. Analytics of vibrations leads to the cause of vibration. Using different methods, emerging or developing fault (predefined) can be detected and identified by software.



Minimum PC Requirements

Operating System	: Windows 7, 8 & 10
Processor	: Pentium IV (1GHz), 512 MB RAM
Network	: Ethernet
Screen Resolution	: 1152×864
Disk space	: ~500MB+
Communication Port	: RS 232 Serial Port (9-Pin), USB port
Other	: CDR Drive for Installation

Route Management and Vibration Analysis Software

Features

VibAnalyst™ is latest state-of-art Vibration Route Management and Vibration Analysis Software. It is compatible with current version of application running on 32 bit or 64 bit operating system. **VibAnalyst™** has high versatility of feature and carries several Unique Attributes.

Unique Attributes

- Use forever without a time lock / upgrade compulsion
- Comprehensive Route up & downloads to/from data collector at any level of hierarchy
- Extremely User Friendly Operation and Navigation
- Run and is compatible with Multiple Databases
- Simple to learn and master with basic skill sets
- Exceeds Common Requirements of Analysis
- High Resolution Display
- Cost Effective and Intuitive

Conveniences

- Copying Data and Graph to Document Formats
- Modifiable customized and Standard Report Settings
- Navigation through the hierarchy on the mouse click
- Access Instrument through the software
- Windows like function on routes and nodes
- Prioritization of Graph and Data
- Flexibility of Database management
- User Define Labeling of Hierarchy
- Notes insertion on the point
- Automatic backup of database
- Overdue Alert for Point
- Customizable display of Point Data
- Colored Status Flags for Alarm
- Log Generation
- Customization of look and feel

Compatible Instruments

VibAnalyst™ is designed with the aim to allow many hardware user to work with **VibAnalyst™**. It is intended to break the notion of proprietary software for every vibration analyser/data collector. It is currently compatible with many such devices in use with the Vibration Analyst Community, viz from SKF UK, Benstone Instruments USA, IMV Japan and Rockwell Automation USA. Many more devices will be compatible soon.

The Underlying Strengths

- Compatibilities – Many Data Collectors / Analyzers
- Multiple Options for every feature and function
- Emphasis on speed versus memory use
- Simple installation procedure
- Single or Networking Options
- Customization for OEMs
- Trending in multi dimensions
- Graphical Views of Data
- Multi user with access rights
- Delete, Backup and Restore Database

Alarm and Exceptions

- Variety of Band, Percentage and Deviation Alarms
- Alarms on Fault Frequencies
- Hierarchy alarm presentation

Data and Graph Management

- View basic data of a point on a single click
- Option – Change the data manually
- Enter new data manually
- Conversion of units
- Conversion from Time wave to FFT Spectrum
- Data conversion facility (TWF to FFT, FFT to Spectrum)

Standard Graphical Display

- Cursor –All common cursor available
- User requirement based Zoom
- User Defined Graph
- Trend of graph
- Cepstrum, Waterfall, Orbit, Gauge Meter, Bar & Pie Charts
- Up to 99×RPM data displays

For more details

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ONE SOFTWARE -MANY DATA COLLECTOR