PORTABLE CONDITION MONITORING

WE EXCEED YOUR EXPECTATIONS

Withing the same ruggued hardware platform, VibWorks COLLECTOR is fully compatible with VibWorks BALANCER, VibWorks ANALYZER and SUPERVISOR to reach higher levels of performance in your industry.

Engineered to Perfection

TIME TRAVELER

- Change analysis parameters on past measurements and reconstruct your history
- Change parameters with no consequences on your historical data
- Re-Process machines, departments, plants and routes.

SIGNAL PROCESSING

- Real time or Post Processing
- Basic and Advanced Tools
- Customizable for each Point
- OverAll Levels, Filters, Narrow and wide Bands, Envelope Spectrum,Octaves, STFT, Orbits...
- Spectral lines > 1,000,000

FASTER ACQUISITION

- All parameters are measured in the same time
- TRUE embedded Simultaneous Triax capabilities
- Vibration measurements – raw data and analysis- in 3 axes in a true simultaneous sampling

U.H.D.M Workstations

Increase Efficiency

Ultra HD Monitoring is a unique feature offering simultaneously the widest range of tools. On 40" to 60" 4K (4096px) display for unmatched monitoring efficiency.

Gain Productivity

Thanks to its revolutionary acquisition process. Route acquisition is 5 to 10 times faster than any other conventional collector WITHOUT ANY LOSS of Data.

Improve Performance

Create databases for your assets, kinematic parameters, assign analysis configurations, machines and routes, take readings, perform a complete analysis and generate reports. Using our ClickOnce™ technology.

Time Traveler

After taking measurements you can change your analysis configuration. VibWorks can reprocess old vibration data and reconstruct machine history allowing you the right to make mistakes and/or change your mind.

KNIGHT

1 Channel Vibration acquisition
Machine state monitoring
Machine Creation
Extended Bearing Database
Analysis report generation
Basic/Advanced signal processing
Long Time waveform collector
Automated Fault Frequencies

KING

3 Axis Vibration acquisition
Machine state monitoring
Machine Creation
Extended Bearing Database
Analysis report generation
Basic/Advanced signal processing
Long Time waveform collector
Automated Fault Frequencies
Anomalies Report Generation
Automatic Database creation (Excel)
S.A.M Smart Alarms Module
History Reprocess
Ultra HD Monitoring (4K Analysis)
Interactive Color-Coded Dashboard
Direct Bluetooth Audio from sensor

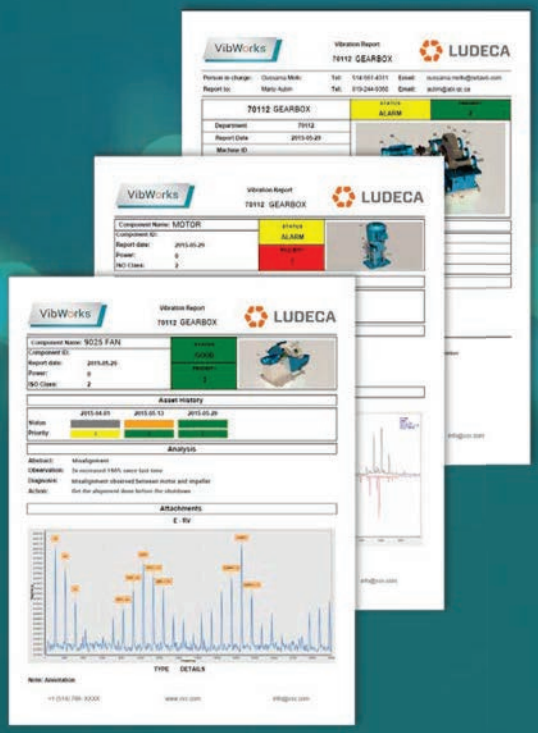
ROOK

3 Axis Vibration acquisition
Machine state monitoring
Machine Creation
Extended Bearing Database
Analysis report generation
Basic/Advanced signal processing
Long Time waveform collector
Automated Fault Frequencies
Anomalies Report Generation
Automatic Database creation
S.A.M Smart Alarms Module
History Reprocess

Powerful Reporting

Without proper reporting tools to spread the information across your organisation, faster data acquisition and efficient analysis are simply useless. Using our solutions will ensure that the right information is delivered to the right resource in a simple and readable format for all your organization staff.

Machine pictures and details, Observation,Analysis and Actions, Status vs alarms along with Equipment criticality are embedded in the analysis report.



Valuable Tools, At your Disposal.

VibWorks Collector features revolutionary embedded technologies, allowing faster route acquisition, faster diagnosis and more effective monitoring.

EMBEDDED DATABASE

- All historical Data Available on the field
- No need for an Analysis Desktop
- Create, Configure, Analyze on the Collector
- Data Always safe with sync tools

INNOVATIVE

- RealTime Audio from vibration Sensors
- Embedded digital Camera
- Manual process trending parameters
- Machine recognition with Bar code reader
- Direct Real time Audio from sensors

AUTOMATED REPORTS

- ClickOnce™ Technology
- Reports generated in a single click (Word®, PDF®)
- Available Reports: Kinematics, Analysis, Anomalies, superposed Spectra, Over All parameters, Trends...

AUTO SYNC/SERVER

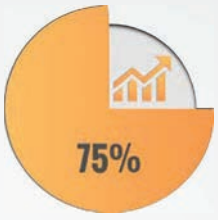
- Share all Data between VibWorks Collectors
- Centralization and/or backup operations
- Sync your Data with Network or Cloud Server (Provided by BETAVIB)
- Keep your data safe

VIBWORKS: THE FACTS

Our solution will boost your efficiency, will help you save time for more valuable tasks, ensure reliable diagnosis and increase your machine uptime.

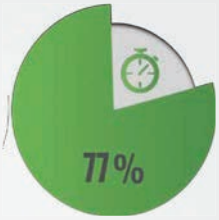
START UP COST

Save more than 82% of start-up Costs, thanks to our quick deploy tools.



EFFICIENCY

U.H.D.M Workstation is 75% more efficient than conventional HD Analysis methods.



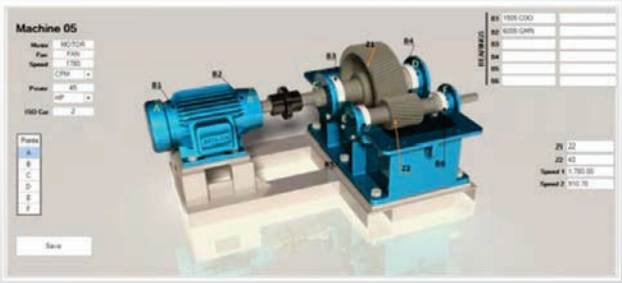
SPEED

VibWorks Collector is 77% faster than all conventional collectors on the market.

FROM DREAM TO REALITY

Building a new database for your assets is one of the most time-consuming and challenging tasks. That's why BETAVIB developed special tools in order to help you achieve full deployment.

Optimized and user-friendly machine definition interfaces, allow you to interact with all parameters of your assets (Components names, Points names, Nominal Speed, Local points speeds, Bearing faults frequencies, Speed Ratios, Harmonic Events) in ONE single screen thanks to our ClickOnce™ technology.



"We are also able to deliver your system with your Database already loaded and ready to measure from day 1."

VibWorks DAQ Lite

DAQ Lite is Betavib's high end collector module, designed to do more jobs in less time with less effort, thanks to its advanced integrated features. DAQ Lite enables Comfortable vibration measurements, on a stunning FullHD Touchscreen with gloves, in direct sunlight.

- ***Easier Visualization*** of machinery state with Real-time over-all indicators color-coded tanks according to alarms
- ***Advanced Analysis*** Ability to perform real-time analysis on raw data coming from the Sensor.
- ***Higher accuracy*** with real-time waveform, customizable velocity and acceleration spectrum.

VibWorks Server

VibWorks Server responds to the need of Reliability engineers, supervisors and maintenance staff to share valuable and up-to-date information enterprise wide.

VibWorks Server Transforms your Collector into an OCA (Occasionally Connected App.), Allowing you to access all the databases while off-line, in the field and sync the data with a central DB and/or with other users while online. This means you can generate reports, analyze data and perform all your daily tasks even when you are offline, and as soon as a connection to the server becomes available, all your data will be synchronized to the server and immediately become visible to supervisors/reliability leaders/higher enterprise management.

LUDECA
Keep it running.

LUDECA Inc.
1425 N.W. 88th Avenue
Doral, FL 33172
Phone: (305) 591-8935
Fax: (305) 591-1537
info@ludeca.com
www.ludeca.com