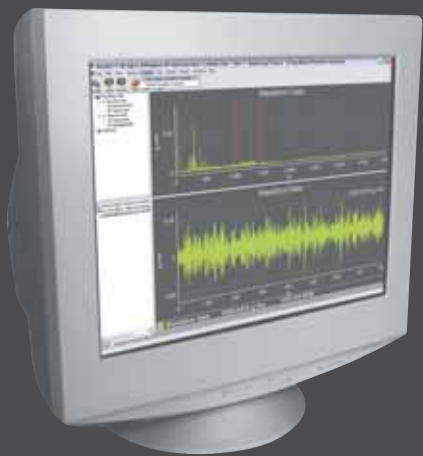


ascent[®]



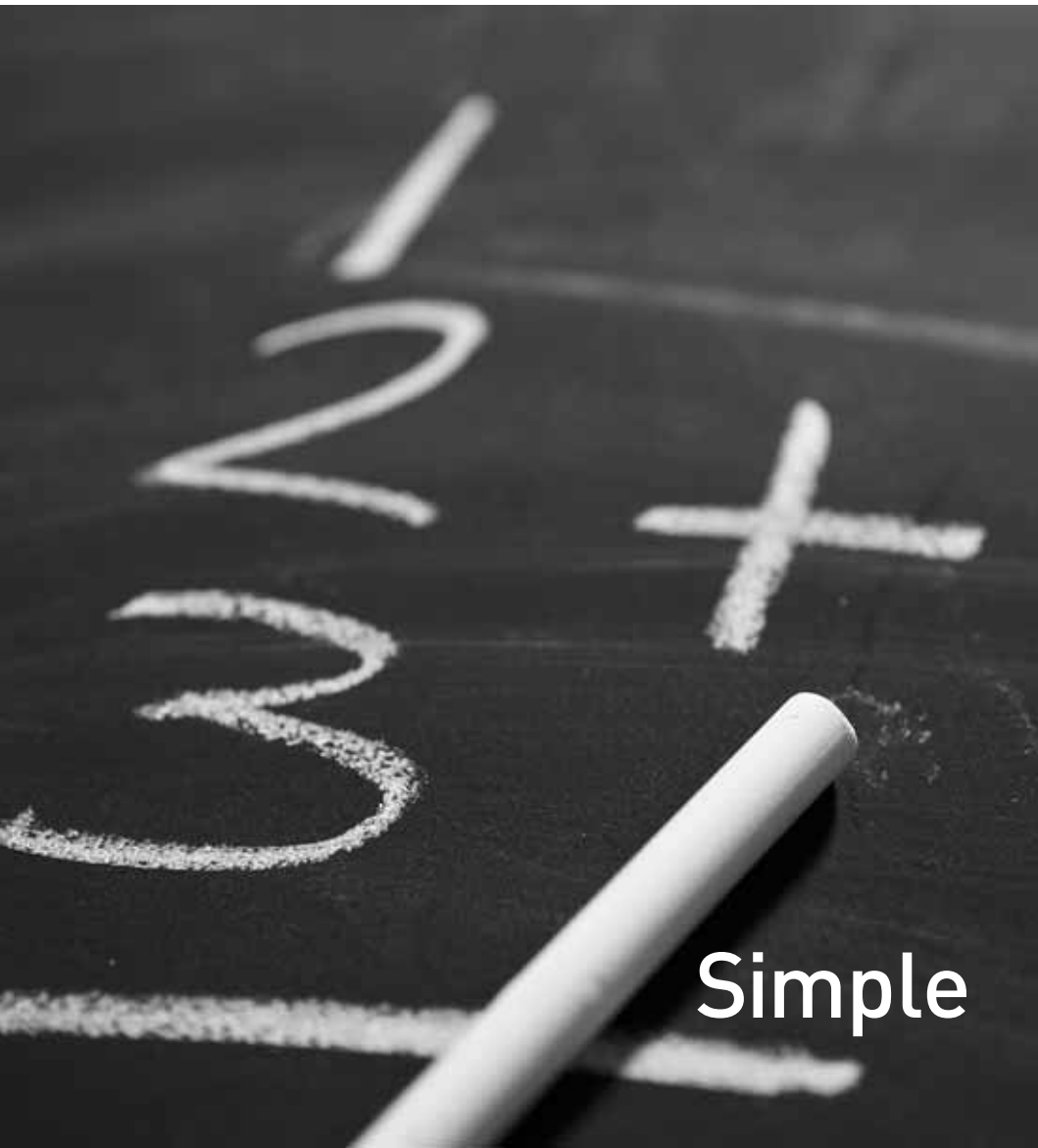
commtest
The Revolution

BENEFITS OF ASCENT

Ascent® vibration analysis software is a comprehensive and powerful data analysis and archiving tool, integral to the vbSeries® from Commtest®.

Although highly developed with an impressive list of advanced features, the simplicity of the Ascent program makes it an invaluable tool ideal for those implementing a vibration analysis program for the first time.

Ascent software is provided in three levels, with each new level providing greater benefits and more advanced capabilities.



Simple

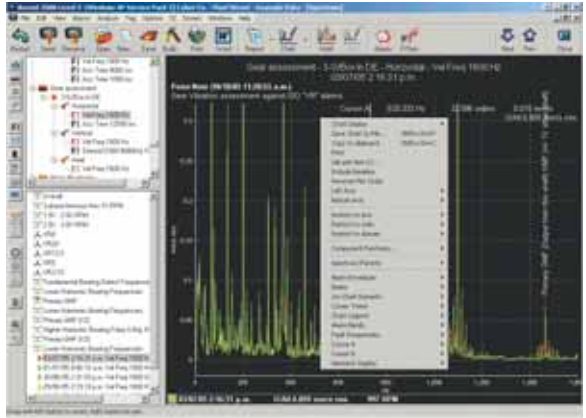


Level 1

Ascent Level 1 covers the essential needs of both new and veteran analysts. It provides the ability to carry out in-depth fault analysis but will not overwhelm entry-level vibration analysts with confusing features. Powerful simplicity is the hallmark of Ascent Level 1.

Flexible and interactive charting

Zoom and pan your charts to see close-up detail; rescale charts to compare the size of different peaks and overlay fault frequencies to help identify machine component problems. A simple right click gives you the ability to change cursor settings, change X and Y axis units, toggle between metric and imperial units, and alter between orders, HZ and CPM.



Customizable interface, customizable charts and reports

Change the way you work with the software by re-positioning or hiding tools, changing chart colors and turning off button captions. Customize your own charts and reports to display information in a manner that is meaningful to you.

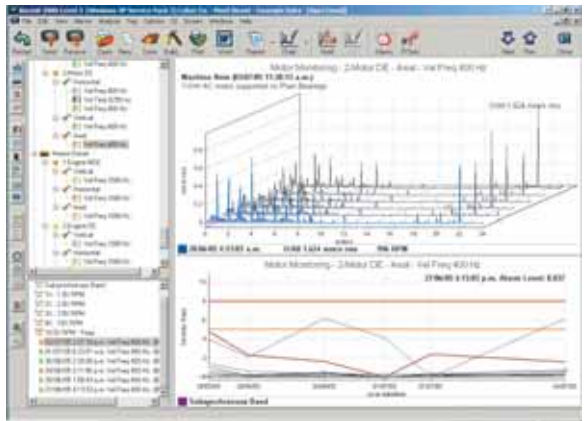
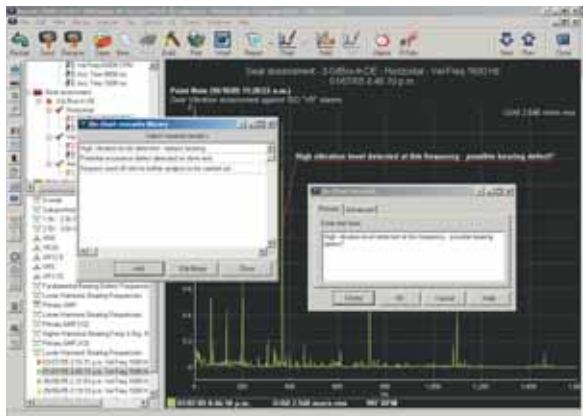


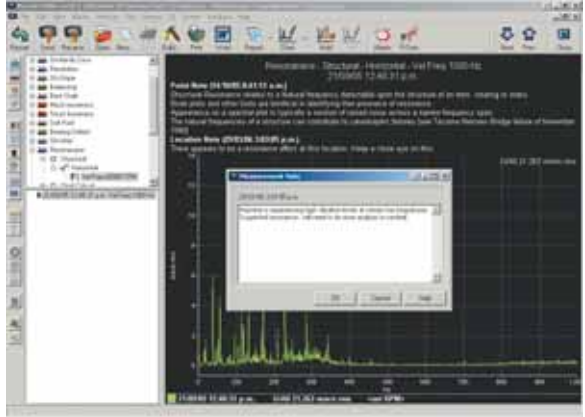
Chart annotation facility

Add your own remarks to pertinent peaks on the spectra. A library of user-created remarks is provided for your time-saving convenience.



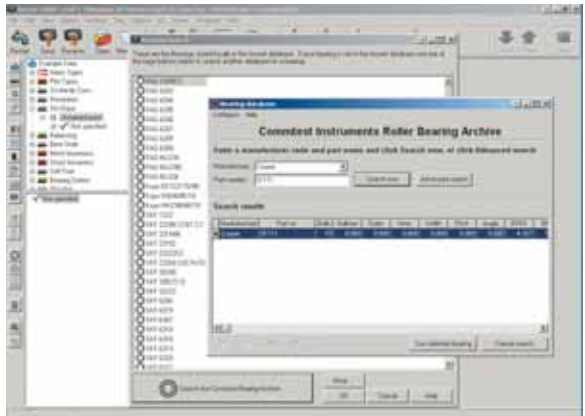
Machine note creation and editing

Notes can be added at the machine, point and recording level providing useful historical reference to suspected faults and meaningful recommendations on service activities.



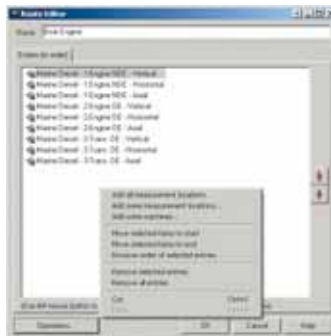
Commtest Bearing Database with over 30,000 bearings

Over 30,000 bearings with corresponding fault frequencies are included as an integral part of Ascent Level 1. Additional bearing entries can be entered as required.



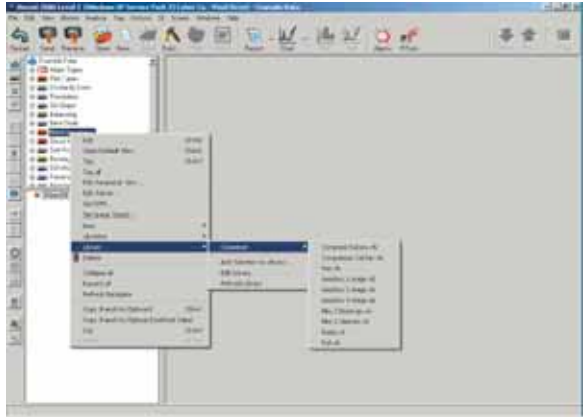
Route creation and editing

Quickly set up lists of machines and measurement points for data collection. Routes can be easily modified after initial creation.



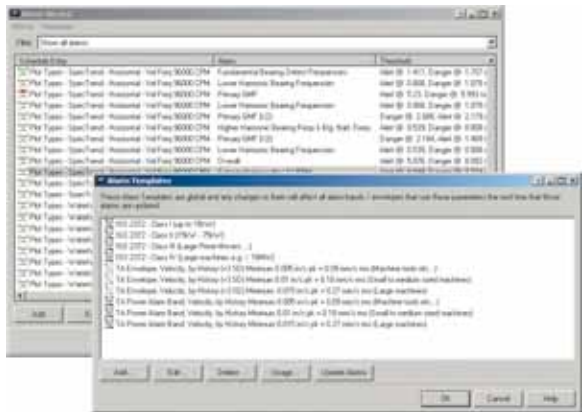
Component storage library

Frequently re-used components can be created once then stored in the software 'library'. To create a new item based on an existing one, simply retrieve the template and create a copy; modify this as required to create entirely new machine components.



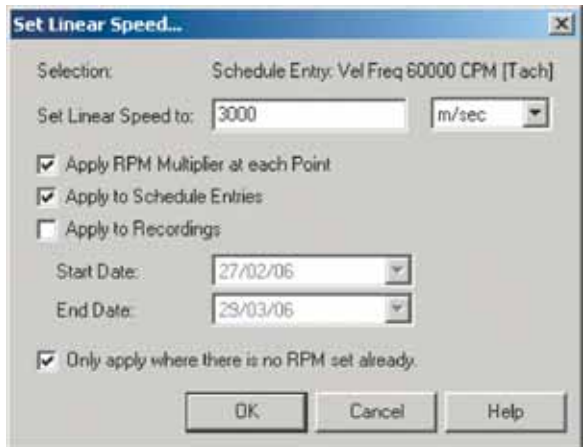
Machine and alarm template creation

Setup your machines and alarms quickly and easily by creating re-usable templates.



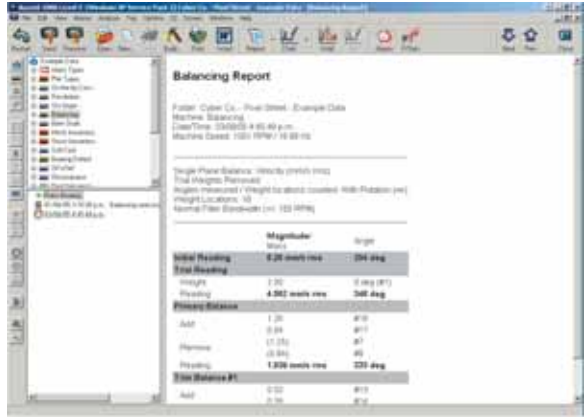
Linear speed support

Let the software do the math for you. Rollers and pulleys with different dimensions will not run at the same speed. The software can keep track of component speed differences on linear speed machines.



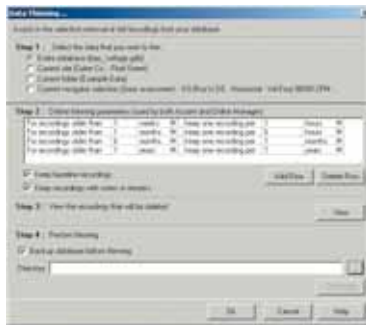
Balancing report

The Ascent program provides the ability to store historical balancing reports. Balancing reports can be printed and exported into Word®.



Selectable database thinning

No need to worry about database files growing large and sluggish. You can periodically trim your database file to keep only the most useful data accessible on a daily basis.



Multiple language support

The Ascent program has been translated into several languages. This enables international companies to standardize on one software application that can be used in different locales with ease.



Other features common to all Ascent Levels

- Baseline record and display – make instant comparisons against known good data
- Convert waveforms to spectra with ease
- Export your favorite charts and reports to Word® with one click
- Process parameter trending
- Intuitive database backup and restore facility



Level 2

Ascent Level 2 streamlines the vibration analysis process, optimizing time efficiency and simplifying the task of the maintenance engineer and vibration analyst, regardless of experience.

Ascent Level 2 provides greater benefit for both novice and advanced analysts. Novice analysts will appreciate the automated machine, measurement and alarm setups provided by "The Proven Method". Experienced analysts can use this same tool to objectively evaluate and fine-tune their alarm settings and measurement criteria. Both groups can obtain greatest value by using the statistically generated alarm thresholds to create the most accurate warning system possible for individual machines.

Automated implementation of ISO 2372 and 10816 standards

Within a few minutes per machine the Ascent program provides the assurance that your plant equipment is operating within international ISO guidelines. The Ascent program also creates the correct measurement parameters to ensure you are collecting meaningful data, reducing your time spent on data collection.



System Requirements

Ascent, OnlineManager, AscentWatcher

- Windows 98 SE, NT 4.0 (SP6), 2000 or XP operating system
- Pentium 200 processor or better (400 processor for Windows 2000 or XP)
- 64 MB RAM (128 MB recommended)

- 400 MB free hard disk space (500 MB recommended)
- CD-ROM drive
- Windows compatible mouse or other pointing device
- An unused COM port for communicating with the instrument
- An unused parallel port or USB port for the dongle

AscentView

- IIS 4 web server
- Microsoft .NET framework
- Microsoft .NET framework service pack (included in the Ascent installation CD)
- Internet Explorer 5 or higher running on client PCs

AscentOPC

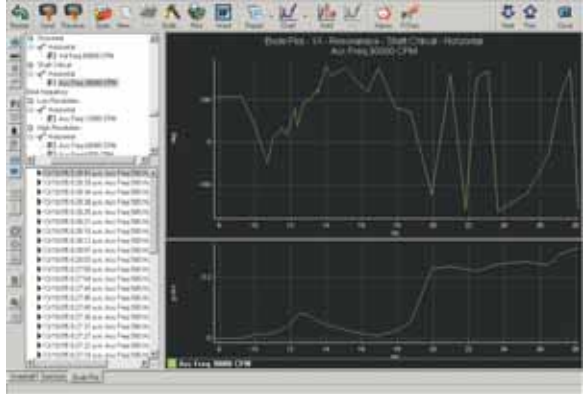
- Microsoft .NET framework



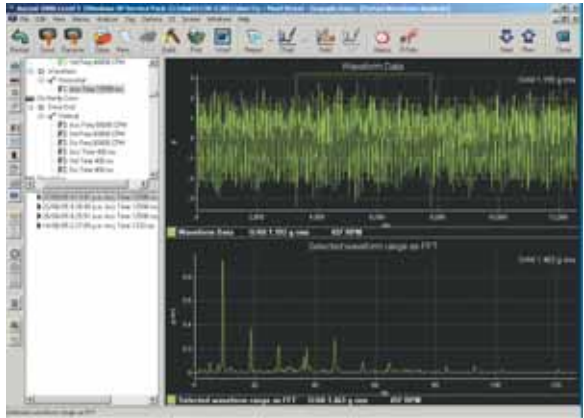
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Bode plots identify resonant frequencies. Simple adjustments to identified machine running speed, increasing the stiffness, or altering the structural mass will reduce the likelihood of machine failure.



Our proprietary **Waveform analysis tools** provide additional benefits for veteran analysts, allowing you to convert slices of waveform or spectral frequencies from one form to the other.



*** Further information on “The Proven Method”**

“The Proven Method” is a time-tested technique that specifies peak velocity spectral alarm levels and frequency bands for measurements taken on healthy general plant machinery.

“The Proven Method” was created by Technical Associates of Charlotte, North Carolina – one of the world’s most renowned vibration analysis teaching and consulting firms.

Ascent Level 2 is available in two licensing options

1. Single user license, USB dongle controlled, database file resides on local PC
2. Network license for multiple users and multiple admin rights, database file resides on central server

Please discuss your present and future software needs with your local Commtest sales representative.



Level 3

Ascent Level 3 is a comprehensive software 'suite' that is provided as an integral software complement to our vbOnline™ product. While Ascent Level 3 is a must-have component of the complete vbOnline surveillance system, there are many valuable benefits for those relying on portable data collection alone.

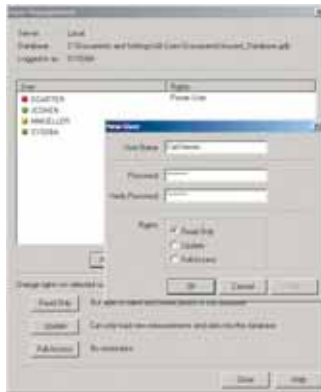
Ascent Level 3 includes the following applications:

- Ascent® (Network License)
- AscentWatcher™
- AscentView™
- AscentOPC™
- OnlineManager™

Ascent Level 3 gives you enhanced information accessibility. Provide as many or as few people as you would like to access the information by installing the Ascent program across your company network. Automatically receive text or e-mail messages alerting you to alarm breaches. Use a web browser to view your data anywhere in the world. Link your machine database into an existing DCS system. You can even set up software-controlled measuring schedules so that data is collected automatically while your machines are fully operational.

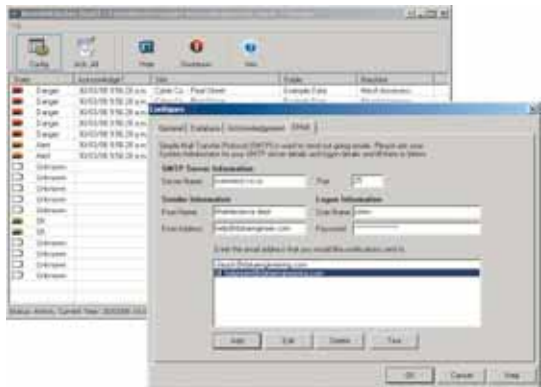
Flexible access to shared data

Having your data examined by more than one analyst can speed up fault finding and increase the effective diagnosis of machine faults. The network deployment feature provided with Ascent Level 3 allows several analysts to work with your information simultaneously from their own PCs.



Receive alarm notifications at any location 24/7

The AscentWatcher program sends automated alert messages wherever you are to nominated personnel when a machine's status changes. You can choose from text, e-mail or computer screen pop-up messages and create distribution lists to notify several people at the same time.



View machine status anywhere anytime

Monitor the status of your machines offsite with the AscentView web browser application. With a live Internet connection and MS Internet Explorer you can access your machine information and display the latest status reports.

Alarm Name	Severity	Start Time	End Time	Status
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active
Example Alarm	Warning	1/1/2008 10:00:00 AM	1/1/2008 10:00:00 AM	Active

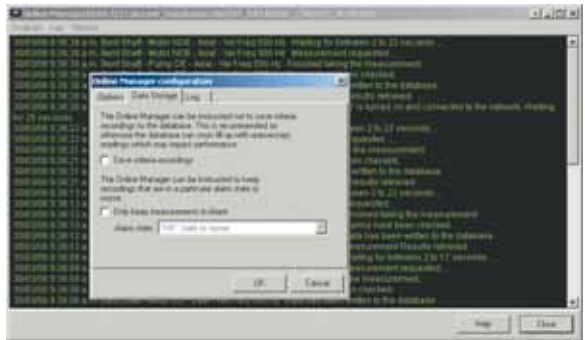
Enhance your existing plant monitoring system

The AscentOPC application publishes machine vibration data and makes this available via the industry standard OPC protocol, easily integrating into your company's existing Distributed Control System (DCS). Alarm conditions are updated continuously, thus allowing your engineering team to plan their activities based on up-to-the-minute machine status.



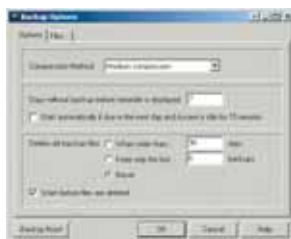
Minimize man power allocated for routine data collection

The OnlineManager software continuously collects the data for you. As an integral part of the vbOnline surveillance system, the OnlineManager software executes your collection schedules and automatically alters the measurement recording routines based on changeable machine operating conditions.



Automated database file management

Forget the worries of data loss. When properly configured by an administrator, the Ascent program automatically performs routine database backups and data thinning so you can simply set and forget.





Accurate