

NEST i4.0

Predictive Maintenance Software

Nest i4.0 integrates your entire condition monitoring program:

- Fast visual insight into potential machinery health issues
- Allows secure worldwide access to your program's data set.
- Software augmented diagnostic and predictive analysis: based on ACOEM's 40+ years of expertise in predictive maintenance technology.
- Wireless monitoring and diagnostic using the portable FALCON analyzer or the EAGLE wireless monitoring solution.




Machine Health Matrix

Fast, easy identification of the health of your machines

- Analyze a machine's health in just one screen
- Overview of all parameters and easy drill-down to each individual parameter and point
- Manage and access data for even the largest machines
- Full reporting capability
- Add parameters and points as needed
- Direct access to waveforms and spectra
- Easily locate and identify possible defects

Bearing Defect™ Factor

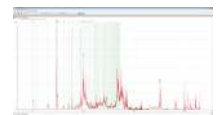
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- Evaluates the roller/ ball bearing health automatically
 - Continuously grows during the bearing life cycle
 - Early fault detection

Shock Finder™ Index



- Easy shock identification and diagnostic
- Quantifies shocks automatically in the time waveform

HarmoniX™ Index



- Full frequency high resolution merged spectrum
- Quantifies harmonic families in spectra automatically

Accurex™

automatic machinery diagnostics

- The color of the machine (Green, Yellow, Red) corresponds to the first level diagnostic and shows the urgency of the analysis
- Results of faults identified are pre-filled and can be modified by the user

Accurex™ Matrix

Machine diagnosis at a glance

Patent Pending Technology

- **Access machine diagnostics at a glance:**

- Know what the defects are
- Know where the defects are located
- Know how important they are
- Know the confidence level



- **Accurex™ Matrix available for any machine**

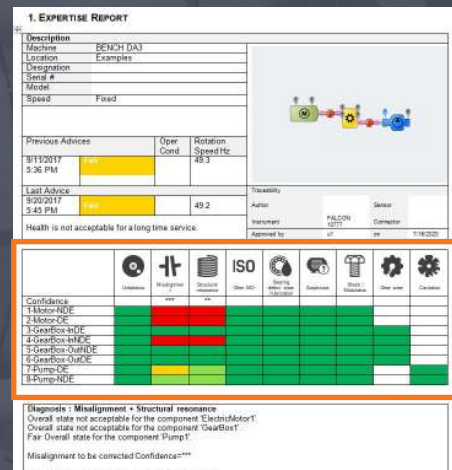
- Smart display of the Accurex™ automatic diagnostic
- Smart display of the real expert diagnostic

- **Running speed detection alerts**



- **Expert productivity reporting:**

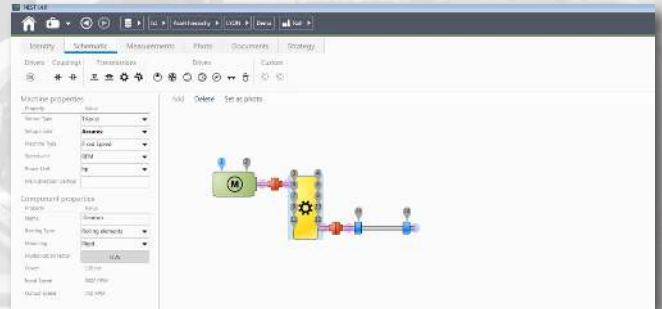
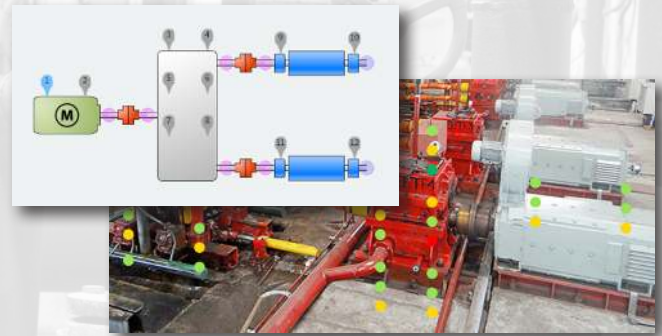
- Save up to 50% on reporting time
- Can be modified manually if needed
- Accurex™ Matrix included in report



Machine Builder

Quick and intuitive set up: drag and drop

- Build complex machines with hundreds of vibration parameters in just minutes.
- Create virtually any machine using built-in or customized templates
- Compatible with Accurex™ automatic diagnostics
- Accessible to all staff levels
- Build what you will see during the analysis
- Easily add or modify a parameter or signal on one of several measurement points at the same time
- Create custom complex machines with the use of the custom component:
 - Customizable: number of bearings, 1 or 2 shaft outputs, speed ratio for each shaft
 - Free component labelling



Supervision Tool

Easily browse your assets

- Show the machine according to the alarm or expert advice
- Display in icons / list / picture
- Use the Flat mode to show all assets in one view



Worldwide data center

- Display can be customized to the user's profile (analyst, reliability engineer, manager and more)
- Any place, any time login allows users to access reports via the optional NEST Dashboard



Drill down from a global view to an individual machine



200 Chemin des Ormeaux
69578 LIMONEST - FRANCE
Tel : +33 (0)4 72 52 48 00

acoem.com