NEST i4.0

Predictive Maintenance Software

This Industrial Internet of Things (IIoT) version of the Nest 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 OneProd’s 30 years of expertise in preventive maintenance technology

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**
- 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

acoem.com
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*