



AMT Pro

Rotating Equipment Tester without Sensors

A Paradigm Shift in Condition Monitoring **AMT Pro**

Artesis AMT Pro is a portable motor driven Powered by its patented faults on energy efficiency.

machine learning equipment test system which automatically algorithm and 10 million motor datasets, this unique generates a condition assessment report instrument is capable of monitoring three phase AC indicating existing electrical mechanical and motors and generators as well as driven equipment operational faults, time to failure information, of all sizes and power levels to provide clear, recommended corrective actions, and effects of unambiguous indications when the performance of a motor driven equipment begins to degrade.



- No sensor installation
- Monitor anything same way
- Test motors from MCC panel
- Acess to hard to reach and hazardous. applications
- . Live motor condition testing with AR Plug

- Fault detection on motor, drive train and driven equipment
- Automated spectrum analysis with immediate report
- No in depth training required Comprehensive fault coverage
- Energy efficieny and time to failure information
- Cloud integration to IOT platform



Asset Management and

Energy Efficiency Toolkit





- Decrease on maintenance cost
- Productivity increase
- Equipment life extension
- Energy saving
- Improved process safety

Sectors

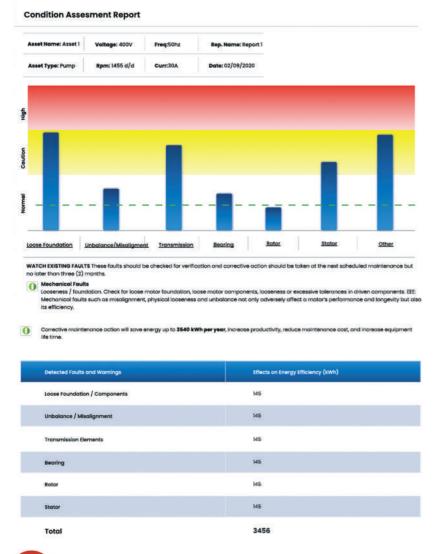
- Oil & Gas
- Energy
- Cement
- Metal
- Pharmaceutical
- Automotive
- Water
- Transportation
- Food & Beverages
- Buildings



- Compressors
- Fans
- Pumps
- Conveyors
- Generators
- Motor Driven Equipment

AMT Pro Features Condition Assesment Report

AMT Pro is compatible with 3 phase AC motors of fixed and variable speed and generators. Utilizing Artesis' revolutionary Model Based Voltage and Current analysis, AMT Pro offers comprehensive fault detection capability covering electrical, mechanical and process related faults.



Fault Coverage

- Loose foundation/ components
- Unbalance/misalignment/coupling
- Transmission faults
- Driven equipment faults
- Bearing faults
- Rotor faults
- Stator/insulation faults

Process Faults 🛱



- High energy consumption
- Low efficiency
- Cavitation in pumps
- Flow turbulence in fans, blowers
- Filter and heat exchanger fouling
- Lubrication
- Oversize/undersize motors

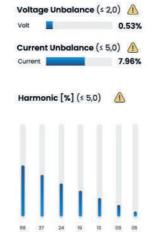




AMT Pro Features Condition Assesment Report

Condition Assesment Report

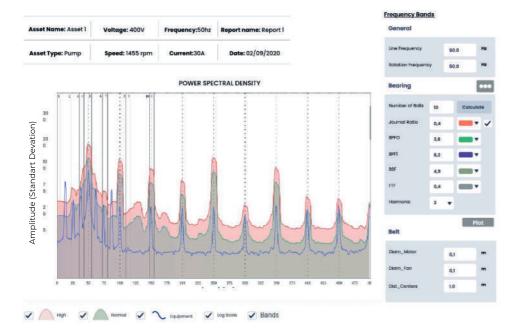




Electrical Parameter (4)



- · Vr, Vs and Vt
- Ir, Is and It
- Frequency
- Voltage Unbalance
- Current Unbalance
- Motor Load
- Power Factor
- Active Power
- Reactive Power
- Total and odd harmonics



Electrical parameters are compared with standard reference values and indiciating electrical faults as well as power quality issues.

PSD (Power spectral density waveform tools offer advanced level of use for root cause analysis.

Test results simultenously sync to secure cloud based server allowing access to the reports on an IOT platform.



Artesis Technology Systems

Headquarter

Kemal Nehrozoğlu Cad. GOSB Teknoparkı Hightech Binası No:B10, 41480 Gebze/Kocaeli, TURKEY

\$\\$\+90-262-678-8860

1 +90-262-678-8855

enquiry@artesis.com

US Office

58 Thomas St, #4 New York, NY 10013,USA \$\frac{1}{4}\$+1 (201) 793-7150

usa@artesis.com

www.artesis.com









