

*AST*



## Predictive Maintenance Tool (Supply and Service)

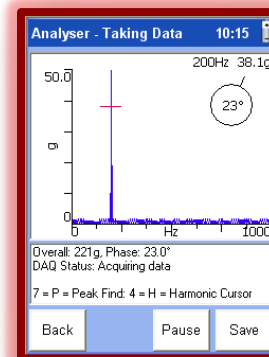
*A ) Vibration Analyzer and Data Collector*

*Brand: Entek*

*i. Machine Monitoring*

*ii. Root Cause Analysis*

*iii. Machine Data Recorder*



*Most Valued Global Provider of Predictive Maintenance Solution*

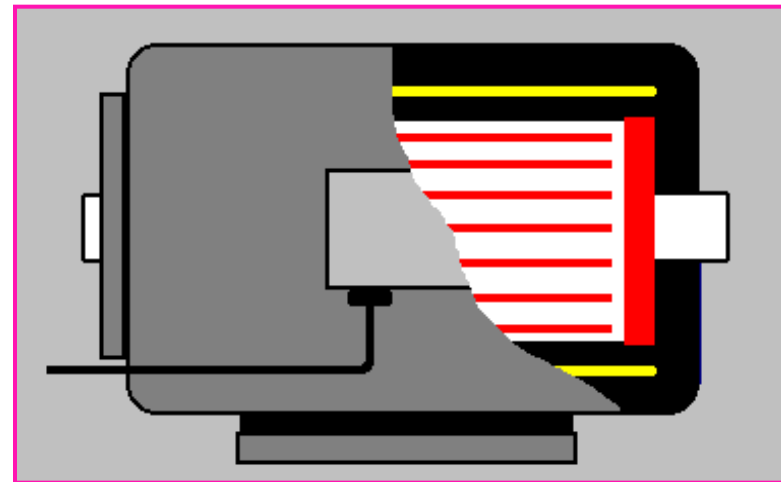




## AC Motor Faults Analysis by Vibration

winding insulation  
degradation

air gap  
eccentricity



broken  
rotor bars

bent shaft

cracked  
end rings

loss of  
phase supply

oscillating  
load

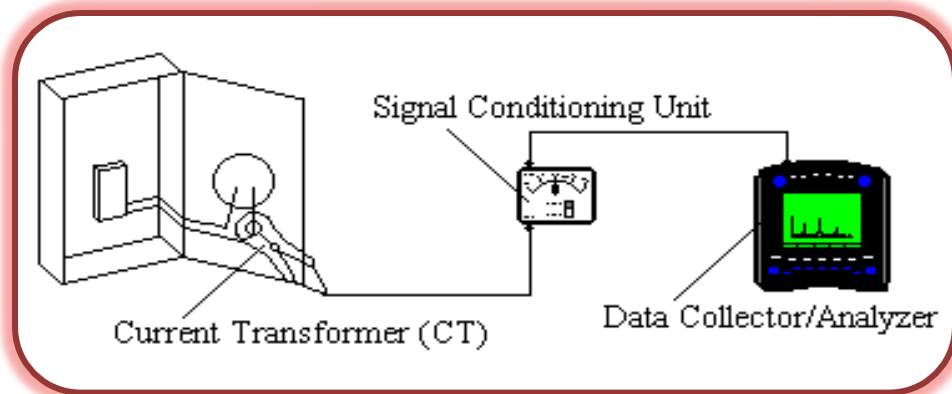
poor brazing





## Motor Current Analysis By Vibration Analyzer

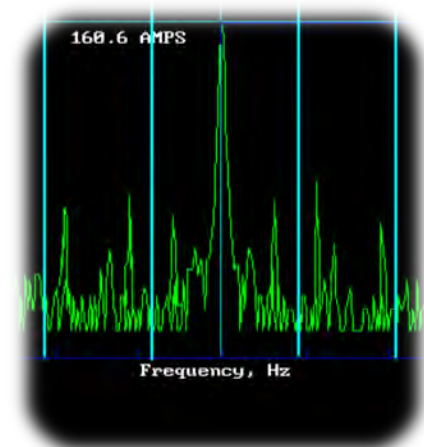
- *Diagnoses range of AC motor faults*
- *Can be integrated with vibration*
- *Measurement trending*



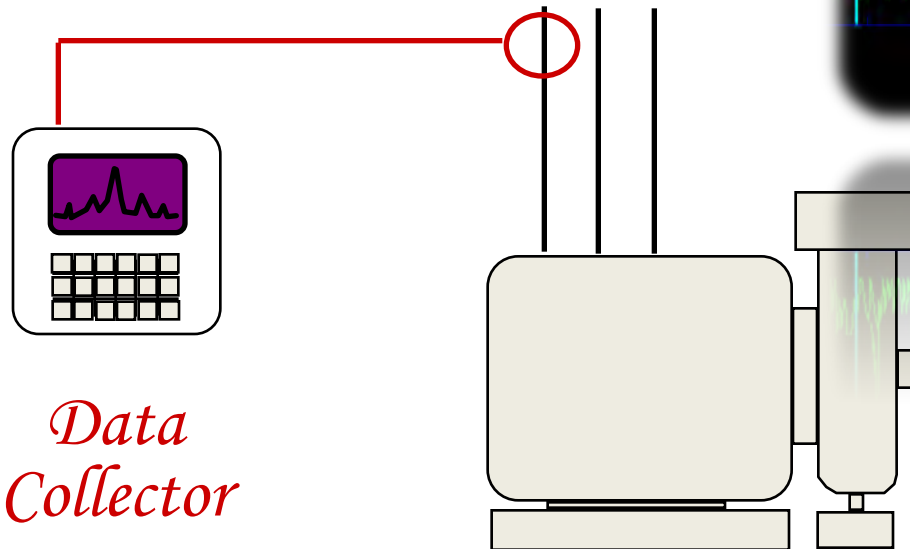
AST



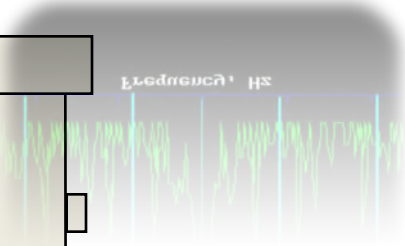
# Motor Current Analysis By Vibration Analyzer



Current Clamp



Data Collector



Most Valued Global Provider of Predictive Maintenance Solution

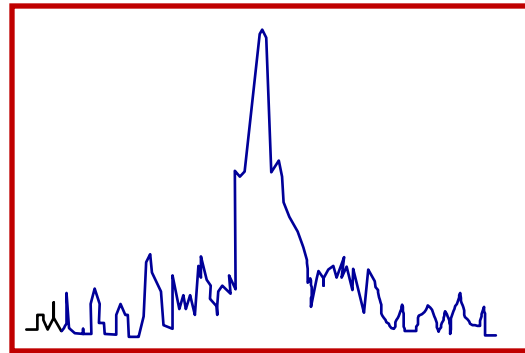


*AST*

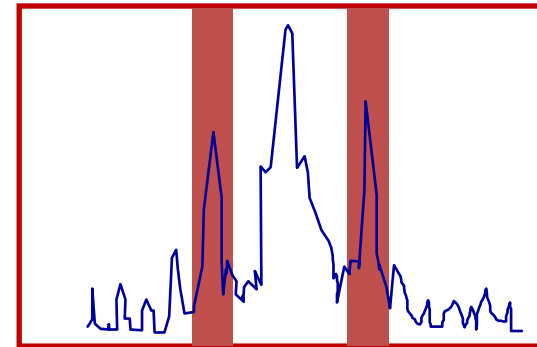


## *Fault Diagnosis*

*primary rotor  
fault sidebands*



*good motor*



*bad motor*

*Most Valued Global Provider of Predictive Maintenance Solution*

