

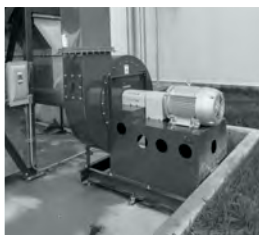
# PORTABLE CONDITION MONITORING SYSTEMS



VSHOOTER+<sup>®</sup>

AUTO VIBRATION ANALYZER

[synergys-technologies.com](http://synergys-technologies.com)





# VSHOOTER+<sup>®</sup>

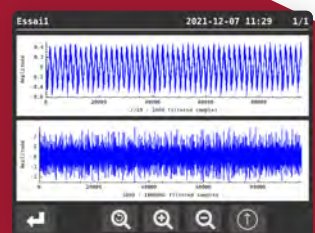
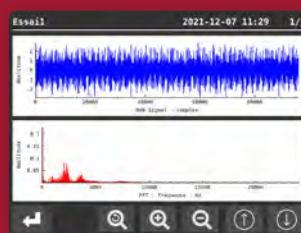
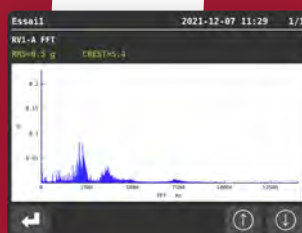
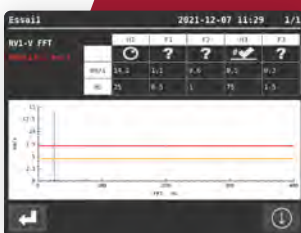
AUTO VIBRATION ANALYZER

## PREDICTIVE MAINTENANCE HAS NEVER BEEN EASIER!

- **Machine Condition Picture (MCP)** at a glance
- High quality wired 100 mV/g ICP&IEPE sensor with strong magnet
- Overall RMS values - FFT spectrum - Time signal - Trend curve - T°
- Li-Ion battery with 6 hours autonomy
- Embedded IR thermal camera (160x120 FLIR Lepton)
- Embedded 5 MP digital visible camera
- AUTO ANALYSIS capabilities : Unbalance - Misalignment - Looseness - ??? - Bearing lubrication - Bearing shock
- BALISHOOTER<sup>®</sup> firmware for severity checking of only Unbalance or Misalignment defaults
- Reporting capabilities with PC via USB
- Stereo headphone output



	ISO	🔋	📶	?	⌚	Ⓢ
RV1	G2F-10	🟢	🟢	🟢	🟢	🟢
RH2	G2F-10	🔴	🟡	🟢	🟢	🟢
AX3	G2F-10	🟢	🟡	🟢	🟢	🟢



# Unique BALISHOOTER® program for Unbalance & Misalignment default severity detection:



Unbalance is critical in fan installations (direct coupled or with belt pulley transmission)

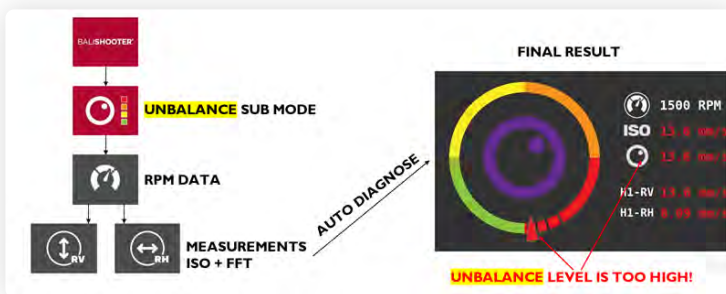


Misalignment is critical in direct coupled machines (with coupling)

Neglecting **Unbalance & Misalignment** can be catastrophic: **BREAKAGE - MTBF DECREASE - BEARING FAILURE - PRODUCTION LOSS - SEAL WEAR...**

**Unbalance & Misalignment** (direct coupling) represent about **70% of vibration problems** on a rotating machine like an electrical motor, a pump, a fan (blower)...

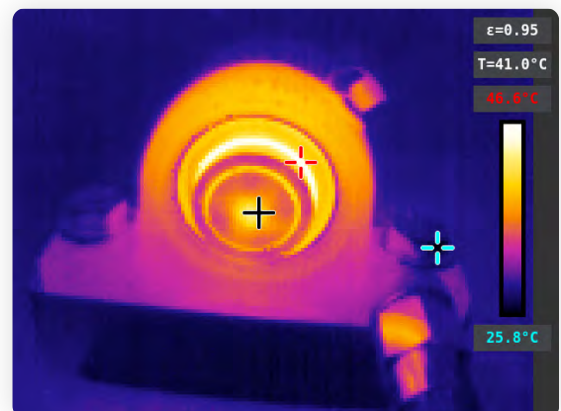
**Unbalance & Misalignment** (direct coupling) defaults can easily be repaired (Balancing and Alignment job).



VSHOOTER+® will automatically analyze UNBALANCE or MISALIGNMENT defaults levels and will let you know what's happened on your machine at a glance.



VSHOOTER+® also includes an infrared thermal camera (160x120 pixels FLIR LEPTON) program with **Emissivity setting, Central cursor, Max Auto cursor, Min Auto cursor**. Thermal pictures can be taken and downloaded to PC via USB.



# TECHNICAL SPECIFICATIONS

**Weight** 3,2kg with case - 0,7kg for device only

**Size** 310x165x65mm for device only

IP54 for device only (ABS plastic) - 6H Li-Ion rechargeable battery

**Camera** Digital 5MP

**IR camera** FLIR LEPTON 160x120 px

**Display** 5,7" 640x480 px touchscreen

**Sensor** ICP/IEPE accelerometer - 100 mV/g with strong magnet

**Output** Stereo headphone for "mechanical" listening

**Measurements** 10(2)-1000 Hz ISO RMS in mm/s  
1000-14000 Hz RMS in g & CREST  
T° from -10°C > +400°C  
2-400 Hz in mm/s & 2-14000 Hz in g FFT & TIME  
TRENDING mm/s & g  
BALISHOOTER® firmware

**Memory** Micro USB output for PC reporting and memory saving

**Power charger** Universal 12VDC-1,5A



**SYNERGYS**  
TECHNOLOGIES

LEAKSHOOTER® a SYNERGYS  
TECHNOLOGIES innovation

Quartier Plessier - 39, avenue du 8<sup>e</sup> Régiment de Hussards  
BP 30109 - 68132 ALTKIRCH CEDEX - FRANCE  
Tél. +33 (0)3 89 08 32 72 / Fax +33 (0)3 89 08 32 73  
info@synergys-technologies.com  
[www.synergys-technologies.com](http://www.synergys-technologies.com)

Distributed by :