



Maintenance of Rotating Machinery Using Vibration as the **Key** to Machine Condition

Specialising in ———

Condition Monitoring Tools & Knowledge
Correction Instruments & Machines
Instrument Repair & Calibration
On-site Training in Dynamic Balancing & Vibration
Measurement Techniques

Machinery Vibration Specialists Aust P/L
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Condition Monitoring Solutions



Basic Detection – Bearing & Vibration Assessment

BearingChecker



Using Shock Pulse BearingChecker gives a measure of the bearing mechanical condition and lubrication film thickness plus IR temperature.

DuoTech Accelerometer -- One Sensor Measures both Vibration & Shock Pulse

VibChecker



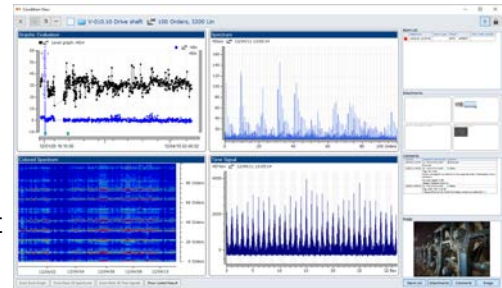
VibChecker Measures:
 Displacement
 Velocity
 ISO 10816 Velocity
 Acceleration
 Frequency Spectrum (200/400/800 Lines)



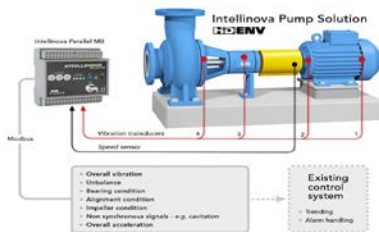
Advanced Vibration Analysis – Balancing & Laser Alignment



Emerald-1xChn
Diamond-3xChn
 Advanced Bearing & Vibration Analysis
 1PL & 2PL Balancing
 Laser Shaft Alignment
 SMARTPHONE APP



On-Line Continuous Machine Monitoring & Protection Systems



Intellinova Parallel
 4 & 16x -- Channel
 Programmable Monitors
 using Modbus RTU or
 Ethernet to PLCs or PC



Intellinova Compact-1 to 18 Chn
 Shock Pulse – Vibration Monitor.
 Multiple units using an Ethernet
 Connection to Condmaster Ruby
 Software. Or Condmaster.Net
 Cloud Software.

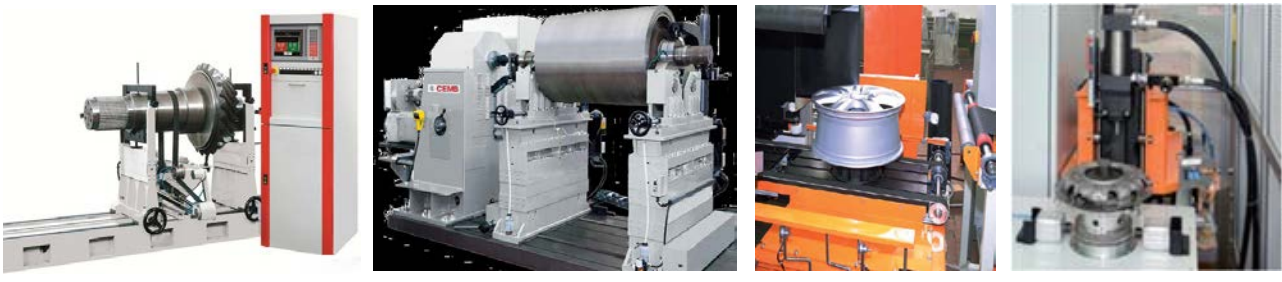


NEW ----AIRIUS
Wi-Fi Wireless X,Y,Z
 Accelerometer
 2Hz—5Khz, 100mV/g
 8yr.-Battery -2x / Day
Condmaster. Net
Cloud Software

Repair & Production Dynamic Balancing Machines

CEMB SpA -- Italy

"Hard Bearing" Horizontal & Vertical Balancing Machines.
Capacity Ranges from 1.0Kg to 60,000Kg



CEMB Portable-Vibration-Balancing Laser Alignment Plant Monitors



2 Plane Balancer/
Analyser

Vibration
Analyser

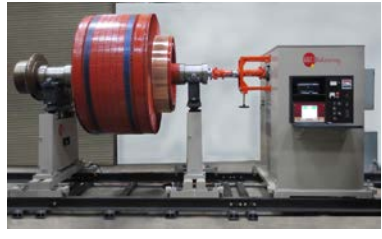
Grinding Wheel
Balancer

Wireless Laser
Alignment

Vibration
1&2 Ch. Monitors

IRD Balancing LLC -- USA

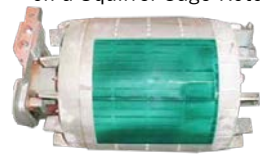
"Soft Bearing" Horizontal Balancing Machines, Kit Packages & Transportable Units.
Capacity Ranges from 1.0Kg to 200,000Kg



Lexseco (Div of IRD Balancing LLC)

Core Loss Testers from 10 KVA to 200KVA using
Advanced M7 Diagnostic Software

Testing for Faulty Rotor-Bars
on a Squirrel Cage Rotor



Magnetic Paper



Supporting Maintenance Tools

Schmitt Europe Ltd. -- Europe & USA -- *Automatic Dynamic Balancing*



Continuous Automatic
Grinding Wheel
Balancing & Process
Control System



MicroMega-Dynamics – Belgium--- *3-Axis -Vibration Analysis & Logging on your SMARTPHONE*



Android Smartphone 3-Axis
Low Frequency Accelerometer
MicroMega- FEEL



Displays-Displacement, Velocity, Acceleration
Real-time, Vibration Frequency & Time Wave
Results on Android or PC



3-Axis Vibration Logger
6-Hr 2GB, PC Analysis
MicroMega – TINY

HuK Hilger u. Kern -- Germany



HuK Trummeter
Belt Tension
Laser Monitor

CEMB Laser
Pulley-Belt
Alignment



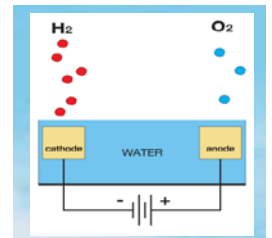
HuK Leak
Detector &
Leak Shooter



Oxyweld Snc - Italy



Oxy- Hydrogen
Gas Generator by
Water Electrolysis
for Low Cost
Welding, Brazing
Soldering



MVS Aust. Support Services

1. Sales & Service of Vibration Portable & Monitoring Instruments.
2. Instrument Repair & Calibration.
3. Balancing Machine Specialists, Supply and Support.
4. On-Site Balancing & Vibration Technical Training & Advice.
5. In – House Precision Rotor Balancing Service 0.5-4.0Kg Service

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