



FastTracer

A NEW AGE IN VIBRATION ANALYSIS

FastTracer

FastTracer is the USB instrument that facilitates the dissemination of the vibration culture thanks to its performances, reliability and simplicity. Thanks to the *FastTracer*, you can optimize the production process, the maintenance, the final test and the design activities in your company.



Why *FastTracer*?

INNOVATIVE

TRIAXIAL

HANDY

REVOLUTIONARY

WIRELESS

CALIBRATED

RELIABLE

COMPLETE

FLEXIBLE

MEMS technology in a simple, robust and compact solution.

it offers a complete analysis.

portable and always at hand.

always connected with your PC and always on-line.

it permits to carry out measurements in the most difficult points to be reached.

by the internationally recognized Italian national institute of metrological research, INRIM.

it maintains its calibration stability over the time.

quick and automatic reports on Microsoft® Excel.

it dialogs with your test system thanks to the NI LabVIEW™ library.

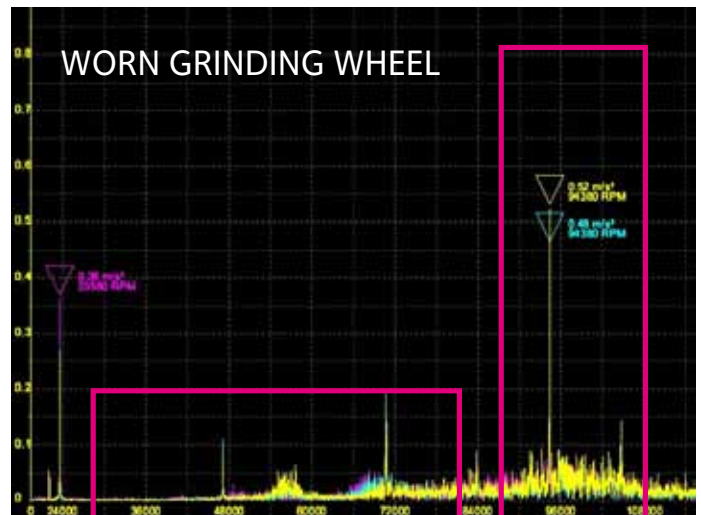
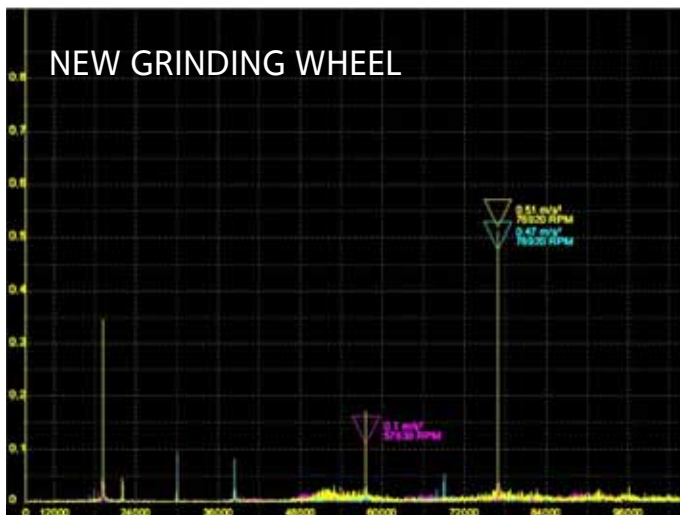
“FASTTRACER CONVINCED US THANKS TO ITS INTEGRATED WELL CONCEIVED IDEA”

Gerd Heikamp, Director of Production STAMA Maschinenfabrik GmbH

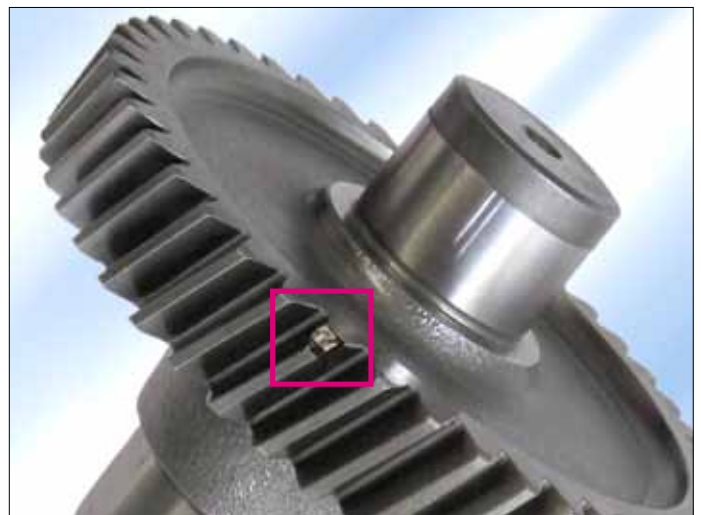
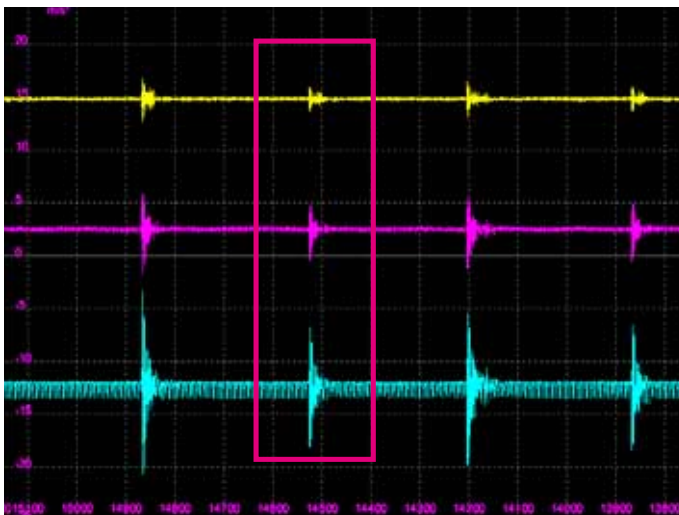
“A SIMPLE INSTRUMENT THAT CAN BE USED FROM ANYBODY WITHOUT A SPECIFIC EXPERIENCE IN VIBRATION ANALYSIS”

Guido Furxhi, R&D Manager, Meccanodora Favretto – FMT SpA.

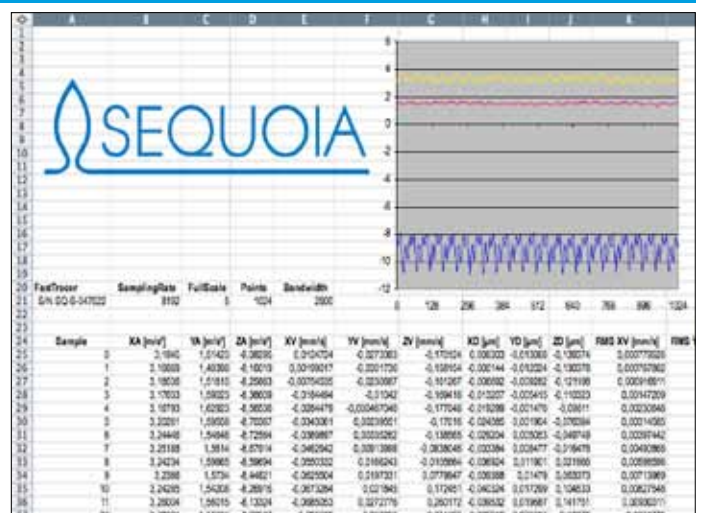
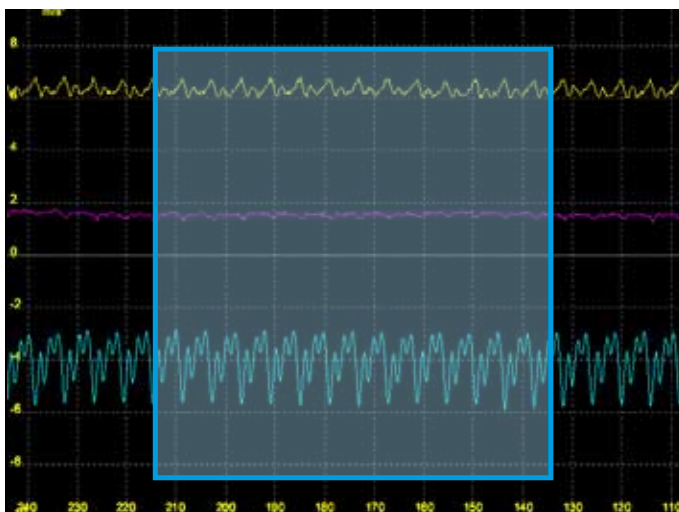
FastTracer for the production process checking.



FastTracer for the correct diagnostics and maintenance.



FastTracer for the final tests and measurements storage.



APPLICATION FIELDS

- MACHINE TOOLS
- RAILWAY
- ENERGY
- FOOD INDUSTRY
- AEROSPACE
- BUILDING VIBRATIONS
- GEN-SET
- RESEARCH & UNIVERSITY

TECHNICAL SPECIFICATIONS

FULL SCALE	+/- 5g optional: +/- (2g, 18g)
BANDWIDTH	0 -2500 Hz
TOLERANCE	< 5% (0 -1000 Hz)
DIMENSIONS	30 x 55.5 x 15 mm
WEIGHT	55 g
CABLE LENGTH	3m (optional up to 30 m) USB 2.0 or WiFi*
COMMUNICATION	(100 meters in open field) By USB (power consumption 200 mA) or through battery or 24 V with WiFi*
POWER SUPPLY	
PROTECTION INDEX	IP67
SHOCK RESISTANCE	10.000 g
TEMPERATURE	-20 ÷ 70° C

MEASUREMENTS MADE ON THREE AXES

- Time domain: Axial components, modules.
- RMS velocity according to ISO 10816 Part I.
- Frequency analysis (Hz,RPM): FFT in acceleration, velocity and displacement.
- Peak and RMS Overall on acceleration, velocity and displacement.
- Digital filters configurable on the whole band.
- Automatic reports on Microsoft® Office Excel®.
- Provided with libraries and examples for integration in NI LabVIEW™.

* For WiFi communication you need the external optional module FastWI.

SEQUOIA IT is the first company to devise and develop vibration signal analysis using MEMS (Micro Electro-Mechanical Systems). The high technological content of the products developed has made it possible to create several instruments in the field of production process control, preventive and routine maintenance, collision detection, structural analysis and precision measuring.

SEQUOIA IT s.r.l.

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