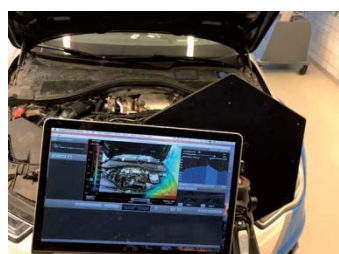


## TOP STORIES THIS NEWSLETTER



Acoustic Camera for Noise Source Identification



EV Motor and Driveline Dynamometer



High Temperature Accelerometer



m+p Analyser Revision 5.3

### Acoustic Camera for Noise Source Identification



The Norsonic Hextile is a module based approach to acoustic camera that gives the user both portability and great resolution for a wide range of measurement situations. The array dish is based on a hexagon shape, given its name, and the ability to combine several tiles into larger systems.

With a single Hextile, the user has a small, portable and lightweight acoustic camera that can be used for a wide range of measurement situations. The Hextile is a USB based acoustic camera, with a single USB cable for both power and data transfer - no extra battery cable needed. The array is made from robust and lightweight aluminium, has 128 MEMS microphones, and weighs 3 kg while having a maximum diameter of 46 cm. The low frequency limit for one Hextile is 410 Hz and the three multi-tile version can go as low as 120Hz.

### EV Motor and Driveline Dynamometer



This dynamometer is specifically designed for drive train testing of electric motors. Extra care is taken to provide optimum test conditions. The motors are mounted on a very stiff mounting platform with very stiff attachment brackets. The high speed gearbox has separate lubrication to optimize running conditions. The gearbox contains technology adapted from fast turning aviation accessory drives.

- Customizable torque and speed tests with automatic pass/fail results
- Extra care taken to provide optimum test conditions
- Motors mounted on a very stiff mounting platform
- High speed gear box has separate lubrication to optimize running conditions

<b>Motor Type</b>	AC Induction Motor
<b>Motor Power</b>	320 kW
<b>FS Torque UUT</b>	280 Nm
<b>FS Speed Range</b>	0 to 14,500 rpm
<b>Constant Torque</b>	0 to 5,940 rpm
<b>Overload</b>	150% for 60 seconds
<b>Battery Simulator</b>	10 to 600 VDC unidirectional , 600 amps to 600 VDC
<b>Gearbox</b>	3.3 : 1 high speed ratio
<b>Test part cooling system</b>	Optional

### High Temperature Accelerometer



The Dytran model 3335C takes high temperature vibration testing to a new level. The single axis charge mode accelerometer operates up to +1200°F(+649°C) a breakthrough product in the sensor field. The model has 1 – 2 pC/g sensitivity with a 2500 upper frequency range. The 3335C is case ground isolated and hermetically sealed.

The 3335C's main applications are: testing gas and steam turbines for power generation in aircraft; nuclear power plant testing; exhaust and catalytic converter studies; rocket engine testing; automotive engine testing; and any other vibration measurement testing within high temperature environments.

### m+p Analyser Revision 5.3



We are continuously enhancing our m+p Analyser software in order to effectively support your vibration measurements and analysis. The software release 5.3 has been refined to meet the specific needs of customers and add value for all users. This release offers a largely extended functionality and a completely redesigned user interface. Check out the many new functions and the design of m+p Analyser 5.3!

- General Data Acquisition**
- Redesigned User Interface
  - Measurement Sequencing
  - Enhanced Shaker Qualification Application
  - Simulated m+p Hardware Available
  - Support of NI FieldDAQ Devices

- Modal Analysis**
- Improved Single-Window ODS Tool
  - Hammer Calibration Tool

- Rotational Analysis**
- Tachos Available with all Measurement Modes
  - Synchronous Spectrum