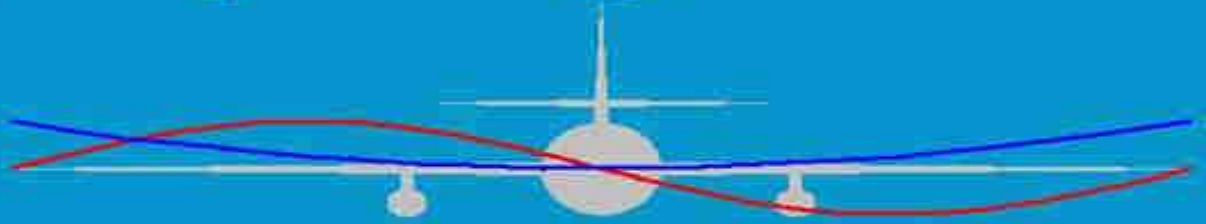




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Newsletter # 12

Best resolution: 1024 x 768

May 2010

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AEROSPACE TESTING EXPO

Hamburg, Germany

18 – 20 May 2010

Booth N° J45



➤ **EX 58 C40 Constant Force Shaker**

Force: 50 N – Stroke: ± 20 mm - Unique internal guidance

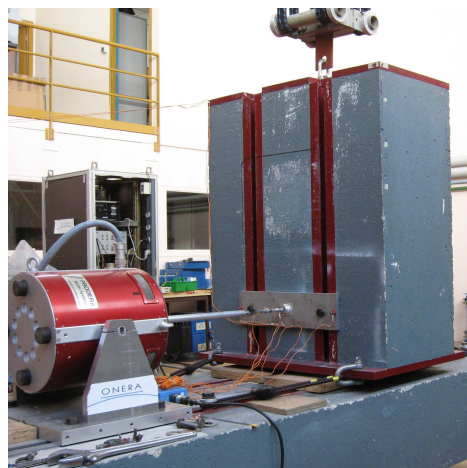
➤ **Airborne Current Controlled Amplifier**

115 V / 400 Hz - 8A peak output for inertial shakers

➤ **Aircraft Suspension System type AST**

New feature: simultaneous lifting or lowering of up to 4 suspension systems

➤ **P-WIN-MODAL FRF Module**



PRODERA CONSTANT FORCE SHAKER
TYPE EX 1070 C50 - 1000 N ± 25 mm
Courtesy ONERA

PRODERA IN-HOUSE PRODUCTS

The products mentioned below are standard PRODERA products, fully operational. Our Design Team is at your disposal for special developments, either hardware or software.

GROUND VIBRATION TEST EQUIPMENT

- Range of **Constant Force Modal Shakers (CFMS)** and **Current Controlled Amplifiers (CCA)**, Modal Accelerometers and Conditioning Amplifiers
- **Multipoint excitation and acquisition system P-SYS-MODAL**
- Latest version of P-WIN-MODAL software: the software calculates the modal parameters of a structure by using 4 different modal methods for increased accuracy **completed with FRF module**
- **Suspension Systems** for modal shakers and structures
- **Shaker calibration systems** certified according to NIST standard
- **Modal Software Calibration device** Strucsim-3-D®

IN-FLIGHT TEST EQUIPMENT

- P-FLIGHT-MODAL **Flutter Prediction Software** covering the sub, super and transonic ranges. Import data: GVT results or external
- P-FLUTTER-MONITORING: 32 channel **Flutter Monitoring Software**
- In-flight excitation equipment:
 - **Pyrotechnical thrusters**: ideal for multipoint synchronic in-phase or out of phase in-flight excitation
- Ground Stations:
 - **1.8 m S-Band antenna, continuous rotation, GPS and Signal Strength Position Control**



**Looking forward to
meeting you in Hamburg!**

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