

## Press Release

# New SmartShaker™ with Integrated Power Amplifier

## CentraTEQ Ltd – Test and Monitoring Solutions

Solihull, July 2009

CentraTEQ Ltd has been appointed as the UK sales agent for The Modal Shop's latest product introduction, the SmartShaker™, a revolutionary innovation in electro-dynamic excitation.

The Modal Shop is part of PCB® Piezotronics Corp. who have been working with Jim Flanagan, Managing Director of CentraTEQ Ltd, for many years. The SmartShaker agreement is a natural extension of a proven relationship and provides the perfect addition to an already extensive range of electro-dynamic shakers available from CentraTEQ Ltd.

The SmartShaker range includes 2 models, the K2004E01 and K2007E01, both of which eliminate the bulk, weight and aggravation of a traditional power amplifier by integrating solid state power amplifier electronics in a 7.5 x 7.5 x 1 cm footprint beneath the shaker. This Integrated Power Amplifier design concept is one used extensively by PCB® Piezotronics in its original ICP® accelerometers and extends its tradition of simplifying the test and measurement process. The SmartShaker's small overall size 9.1 x 8.9 x 13.5 cm, weighing just 3.2Kg, creates a new class of portable shaker for use in test laboratories and benchtop vibration studies. Powered via a small DC power supply, similar to those supplied with a laptop, the SmartShaker can be run directly from any 12-21 VDC supply, making it the ideal companion to today's portable PC based data acquisition systems.

The SmartShaker models provide up to 31 N pk sine force with a 12.7mm stroke covering a broad frequency range up to 11 kHz. They feature extremely rugged suspension systems using carbon fibre composite leaf armature flexures which avoid the suspension damage common to other mini shakers. Other innovations in the SmartShaker include:

- 92% ultra-efficient operation for low power consumption
- Multiple gain settings and system "mute" selectable via integrated digital control
- Smart monitoring of amplifier clipping, overcurrent or overheating with automatic shutdown.
- Ergonomic EasyTurn™ handles and a variety of nylon stingers provide for safe and simple shaker / trunnion positioning.

For further details of CentraTEQ Ltd and Modal Shop products or to find out how CentraTEQ Ltd could help you fulfil your technical needs within your budget, contact Jim

Flanagan on 0121 706 2319, visit the website [www.centrateq.com](http://www.centrateq.com) or email [info@centrateq.com](mailto:info@centrateq.com)



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#### About CentraTEQ Ltd

Established in 2008, CentraTEQ Ltd was founded by Jim Flanagan, a name that is well known in the vibration test equipment arena, having worked with several well known equipment suppliers.

The ethos behind CentraTEQ was to provide customers with a genuine alternative, a supplier that could offer equipment to suit all budgets whilst also providing a highly experienced technical consultative service. With the flexibility to provide a total solution which encompasses any mix of equipment to suit technical and budgetary requirements, CentraTEQ are well placed to meet the challenges of the current and future economic climates.

For more information please visit our website [www.centrateq.com](http://www.centrateq.com)

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