



Press Release

For immediate publication

Carl Zeiss Jena and Thomson select Elliptec Actuator

Dortmund, Oct./Nov. 2004: Elliptec Resonant Actuator AG has developed a cost effective optical mirror module in cooperation with Carl Zeiss Jena GmbH. The module is based on Elliptec's actuator technology and has enabled Thomson to develop a new rear projection TV that has a particularly high image resolution and superb image quality. With Carl Zeiss providing its renowned optical components, Elliptec providing the vibration know-how, and Thomson providing the electronics, a product with an exciting price-performance ratio has been created for the US market and, at a later stage, also for the markets of the European Union.

How it works: As the name suggests, a rear projection TV projects the image onto the back of a screen. In order to double the vertical image resolution, the image is guided over a mirror that is tilted by Elliptec Actuator with micrometer precision at a high frequency. This tilting of the mirror allows the projection of two individual, vertically interlaced half-images. The method also eliminates some of the unpleasant digital optical effects that many projection TVs exhibit.

Elliptec's Sales Officer Dirk van Vinckenroye: „This project is a further important step for our business success. It underlines the outstanding characteristics of the actuator - high dynamics, small weight and size - and proves the quality of Elliptec's services”.

Elliptec Resonant Actuator AG, offers low-cost piezoelectric motors and actuators as well as system solutions for consumer goods, toys and industrial electronics, for automotive, medical, and optical applications. Elliptec AG is headquartered in Dortmund and presently has 25 employees. Visit www.elliptec.com for further information.

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