



## FOR IMMEDIATE RELEASE



### News Release

February 2006

### Media Contact:

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**For high resolution image,  
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## DGEA Compact Cantilever Electric Linear Actuator

The DGEA cantilever electric linear actuator is a unique design in which the slide unit remains stationary while the profile moves axially. Ideally suited for space-contained multi-axis configurations, the motor and cables are allowed to remain fixed minimizing the moving mass to just the load and the aluminum profile.

DGEA is a toothed belt driven actuator with an internal recirculating ball bearing guide. It comes in two mounting configurations: the basic design with an in-line coupling or with an integrated right angle gearbox.

**Enhanced Machine Performance** – The DGEA increases overall system dynamics by reducing the effective moving load, resulting in reduced cycle times, energy consumption, and deflection.

**Simpler design** – The DGEA design affords the direct mounting of the end effectors (such as grippers, rotary drives and vacuum components) directly to

### Festo Corporation

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the profile as opposed to the traditional method of off-set brackets and adapter plates.

**Space Saving** – The motor is mounted parallel to the actuator with the integrated right angle gearbox eliminating obstructions and saves on installation space.

**Higher System Reliability** – The DGEA allows the motor cables to remain stationary eliminating cable fatigue failure thereby increasing system reliability.

**Key features:**

- Speed - up to 3 m/sec
- Repeatability +/- 0.05 mm
- Stroke lengths up to 1,000 mm
- Available Sizes: 18, 25, and 40mm

For more information, please visit: <http://www.festo.com/us/dge>

**Festo** is a global manufacturer of pneumatic and electromechanical components and controls for industrial automation with 55 national headquarters serving more than 180 countries. Festo specializes in providing high-performance, cost-effective complete automation solutions. Festo provides engineering and design support from concept through construction of complete control and multi-axis systems for automated equipment. Festo further differentiates itself from other suppliers with extensive value-added services that enable it's customers to be more profitable and successful in today's highly competitive global market.

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