

# LDL Series

## Linear Actuator

### Cost-Competitive Electric Alternative to Pneumatics

Many users of pneumatic cylinders in industrial automation are looking for electric actuator alternatives for a number of reasons: **Control, Operating Cost, Life and Performance.**

The LDL series has been designed as a cost-competitive alternative to pneumatics. The LDL features several innovative cost reduction elements:

- Printed Coil technology with integrated SMAC encoder reader head.
- Laser cut parts resulting in housing and end-cap process times in the 5 to 30 second range.
- 1 piece multi -pole neodymium magnets.
- Precision linear guide life tested to 500 million life cycles.
- Automatic assembly done using SMAC's own products.



#### LDL Series

Stroke [mm]	10, 25, 50, 75 and 100
Peak Force [N]	15 - 100 (48VDC)
Encoder Resolution [µm]	5 standard, 1 optional

#### SMAC Advantages

- Cost competitive
- Fully programmable in force, position and velocity, on the fly change capability.
- SMAC's Patented 'Soft-Land' capability enables the unit to gently land on a delicate component, then apply a controlled force to avoid damage of both the component and the actuator.
- Built-in controller available with various communication protocols (optional add-on).
- Higher cycle rates.
- Longer cycle life.
- The ability to perform tasks and verify its quality at the same time.

UK & Ireland Distributor



# SMAC

## Moving Coil Actuators