

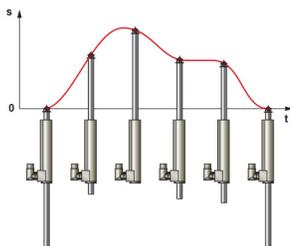
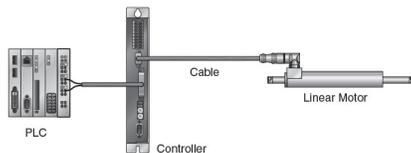
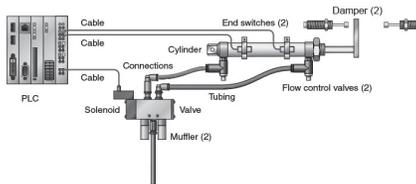


LinMot[®]

LinMot Advantages Over Pneumatics

Due to high operating costs, pneumatic cylinders are increasingly being replaced by industrial linear motors.

Industrial linear motors reduce the number of components required and greatly increase system flexibility



Programmable Motion Profile

GREATER FLEXIBILITY AND DYNAMICS

When multiple positions are required, when motion profiles need to be changed by software, when motions are synchronized to a main drive, or when the speed and service life of a pneumatic cylinder are simply not sufficient, many designers turn to direct drive linear motors from LinMot.

SIMPLE START-UP

By integrating the control of position, speed, acceleration, and force, system configuration is made much easier. Your application requirements are determined as the project is laid out, and can be easily changed during configuration.

COMPLETE CONTROLLABILITY

Unlike pneumatic cylinders, where only two positions are provided, the position of a linear motor is constantly controlled and monitored. This allows complete control at all times, meaning even minor deviations can be corrected when needed.

REPLACEMENT PAYS OFF EVEN FOR SIMPLE MOTIONS

Due to high operating costs of pneumatics, the use of industrial linear motors pays off to an increasing degree, even for simple point-to-point motions with only two end positions.

This is especially true when motions are performed regularly in cyclical operations, and pneumatic cylinders are typically oversized to compensate for speed and load limitations. In this case, the energy and maintenance costs exceed the investment costs within a few weeks.

SIMILAR CONFIGURATION MAKES REPLACEMENT EASY

Industrial linear motors have a cylindrical form factor and similar dimensions to pneumatic cylinders. For this reason, they are commonly used as replacements for pneumatic actuators in existing and new designs.

ADVANTAGES OF INDUSTRIAL LINEAR MOTORS

- Adjustable speed
- Adjustable acceleration
- Programmable force
- Highly dynamic
- Synchronization capability
- Long Service Life
- Low maintenance
- Clean (no air)
- Low energy costs