

Lab Manual

Linear Guideway



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November 2013

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1. Introduction

This manual will introduce the linear guideway setup and describe its function so you can make the best use of your new instrument.

Product specification:

1. Manual air flow controller
2. Air-drive body
3. Fixture
4. Air pressure gauge

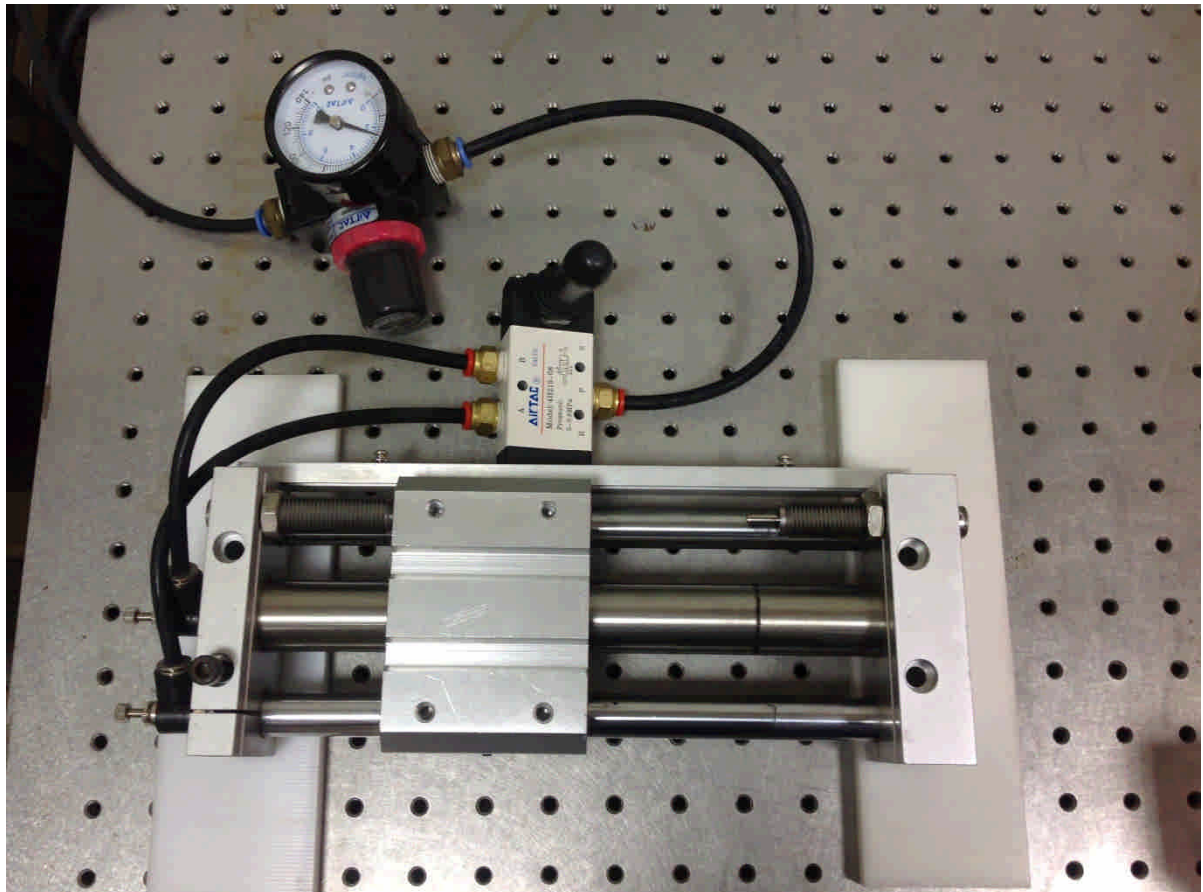


Fig.1

Product specification:

1. Air compressor
2. Pipe
3. Plug



Fig.2

2. Setup description

1. Fix two fabricated POM fixture onto the workplace with screws as shown in fig.3.
2. Mount the linear guideway onto the POM fixture.



Fig.3

3. Connect the controller as shown in Fig.4 with one inlet pipe (P) connected to the gauge and two outlets to the guideway respectively as shown in Fig.5 .



Fig.4

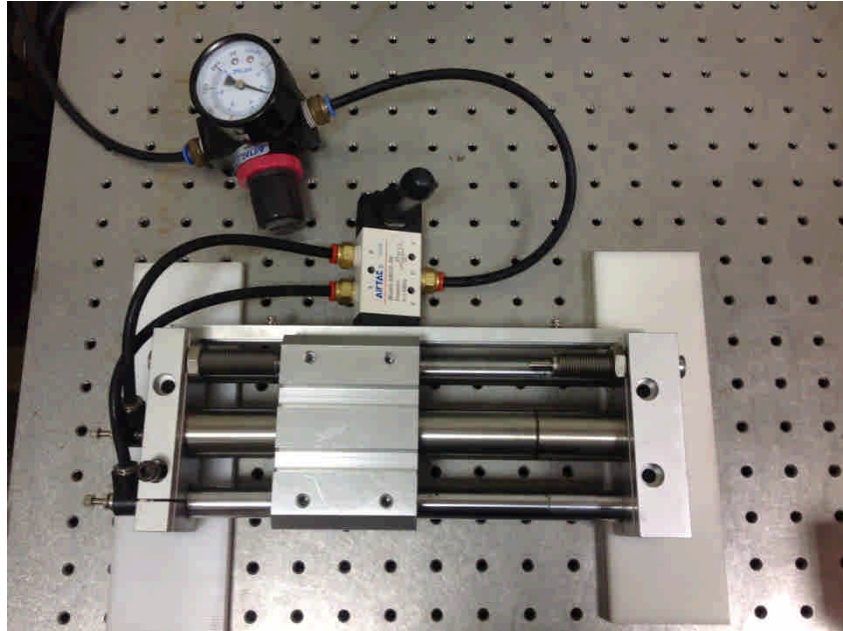


Fig.5

4. Seal the inlet valve and the outlet value of the gauge with gaskets.
5. Connect the gauge to the air compressor.

3. Usage

In order to manipulate the motion of an object on a plane, moving in particular direction periodically, we use a linear guideway to roughly measure the tendency of data.

4. Start-up

1. Switch on the air compressor to compress air to desirable pressure.
2. Use the controller to open one of the passages to let the body move.