

## LINEAR AIR TRACK – 2m air tube & kit

### MF0107-001 with assembly kit

**DESCRIPTION:** The Linear Air Track facilitates the study of mechanics, both quantitatively and qualitatively, by providing an almost friction free system on which a large range of experiments may be performed. Great care has been taken in the design and manufacture of the unit and, with proper use, it will serve the instructor and student faithfully.

A long straight 90° triangular shaped tube is mounted on three adjustable feet so that the tube can be made level. The sloping sides of this tube have small holes drilled and air is pumped into the tube from an air blower. Air passes out the small holes in the sloping sides.

Anodised aluminium 'Gliders' with a 90° internal angle are placed on the air tube and they float on the air passing from the holes. They slide back and forth on the tube with almost zero friction. Spring bumpers are fitted to the ends of the gliders so that when they collide they rebound with almost zero lost energy. Various weights and attachments can be fitted to the gliders for performing various experiments. The motion of the gliders is measured and studied to understand the fundamental principles of motion, mass and direction.

The Air Source to run the IEC Air Tracks is the IEC LB0115-002. It is very compact, easy to use, it has a variable speed and is very quiet in operation. It is complete with an outer shroud of styrene foam which reduces noise to a minimum but it can be used with or without this shroud.

### MF0107-001 2m air tube only & assembly kit



**Above: Air tube**

**Right: Air tube assembly kit**

**Physical size: 2000mm long x 100mm wide      Weight: kg**

See MF0107Z-001 for complete air track information.

Designed and manufactured in Australia by Industrial Equipment and Control Pty Ltd

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