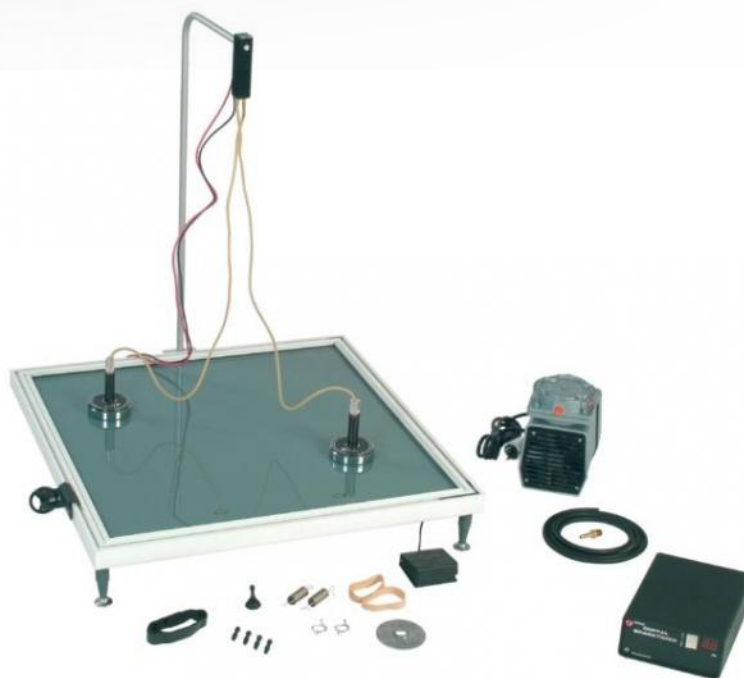


AIR CUSHION TABLE

Reference : U405001



Steel pucks **Spark generator included** **Supplied complete**

The air cushion table has a flat glass surface on which the recording paper rests. Compressed air is routed to the pucks through lightweight hoses. The air escaping under the pucks lets them gravitate over the recording paper thus minimising friction.

The movement of the puck is marked by a spark recording: in the air hoses there are thin metal chains which establish the connection with the spark generator. In contact with the puck, a spark is formed in the middle of it and leaves a mark on the recording paper. Since the pucks weigh 550 g, their movement is not restricted by the pipes or the spark-wire.

Composition:

- 1 experiment table with glass surface, 580 x 580 mm
- 1 spark generator with foot switch
- 1 compressor with hoses
- 2 steel palleets, Ø 75 mm 550 g
- 2 bands for puck with velcro closure
- 2 springs

- 1 additional weight of 150 g for puck
- 1 pulley, \varnothing 45 mm
- 1 centre bar with suction cup
- 2 sheets of carbon paper
- 100 sheets of recording paper
- Instructions for use
Experiments possible:
- Newton's Laws
- Conservation of the moment
- Energy conservation
- Elastic and inelastic impacts
- Harmonic movements
- Harmonic movements coupled
- Trajectories
- Magnetic repulsion
- Collisions
- Study of momentum
- Kinetic and potential energies
- Gravitational ellipses
- Centre of mass
- Dampened oscillations
- pulsed oscillations
- etc ...