



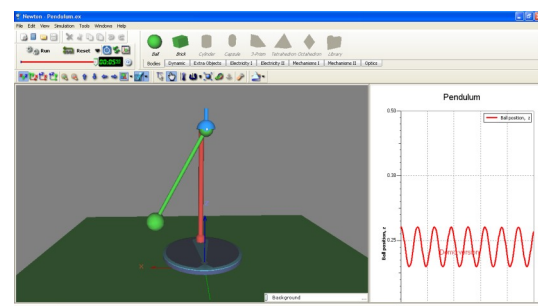
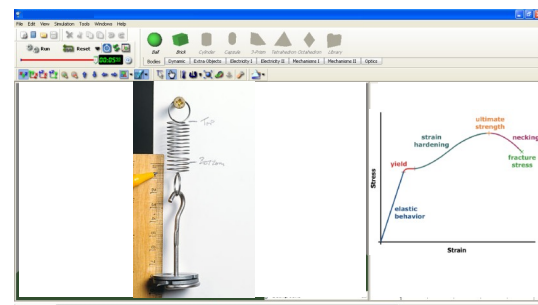
Nvis 8000 Applied Mechanics teaches the fundamentals of Applied Mechanics in very simple ways. Nvis 8000 helps to learn the nature of forces, different laws and theorems of forces such as Triangle Law, Parallelogram Law, Polygon Law of forces, Hook's Law, Lami's Theorem, etc. It also includes the study concepts of Simple Harmonic Motion, Inclined Plane and Sliding Friction.

Nvis 8000 has a high quality stainless steel board with arrangement of magnetic assembly of many mechanics experiments.

Product details

Spring Balance	:	500g
Slotted Masses	:	100g, 50g, 20g, 10g, 5g
Mass Hanger	:	10g (5 nos.)
Brass Force Ring	:	32 mm dia. (2 nos.)
Pulley	:	38 mm dia. (4 nos.)
Neodymium Magnet	:	5 nos.
Rolling Masses	:	150g, 90g
Friction Block	:	90g
Pendulum	:	60g (2 nos.)
Inclined Plane	:	180°
Degree Scale	:	360°
Stop Watch	:	1 no.
Dimensions (mm)	:	600 x 600

Software



Features

- Magnetic attachment of accessories
- High quality rust-proof stainless steel board
- Wall mounting arrangement
- Simple representation of concept
- Simulation Software (optional)
- Online product tutorial

Scope of learning

- Study and verification of Hook's Law
- Study of Adding Forces, Resultant and Equilibrants
- Study of Resolving Forces
- Study of simple Harmonic motion using mass on a spring
- Study of simple Harmonic motion using the pendulum
- Study and verification of the Lami's Theorem
- Study and verification of Triangle Law of Forces and Parallelogram Law of Forces
- To verify the Polygon Law of Forces
- Study of Sliding Friction
- Study the forces applied on an Inclined plane