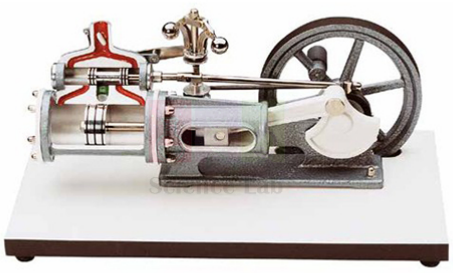
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Steam Engine Model

Product Code :

SLE/MCE/65



Email : sales@scilabexport.com
Phone: +91-7082934803

Description :

Steam Engine Model (Product Code: SLE/MCE/65) is a sectioned demonstration model used to show the internal structure and operating principle of a reciprocating steam engine in physics and engineering classrooms. Its metal cylinder is cut open and covered with a clear plate, so students can watch the piston and slide valve move while the link motion and reversing method operate. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Type	Cutaway classroom model of a working steam engine
Cylinder	Metal cylinder, cross-section cut, covered with a clear plate to show the piston
Working parts	Piston and slide valve both move; link motion and reversing method operate
Wheel movement	Light enough to demonstrate even by blowing air
Finish	Parts and cross-sections painted in different colours; many parts chromium-plated and galvanized for longer life
Dimensions	450 × 350 × 300 mm (approx.)
Weight	9 kg (approx.)
Product code	SLE/MCE/65
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Steam Engine Model Used For?

Teachers use the model to explain how the slide valve admits steam first to one side of the piston and then the other, producing a back-and-forth motion that the connecting rod and wheel turn into rotation. Moving the link motion shows how the valve timing is shifted to reverse the engine, the same method once used on steam locomotives.

The wheel runs so freely that a gentle breath of air sets it turning, which makes it a memorable demonstration model for the physics lab when heat engines and energy conversion are introduced. In engineering thermodynamics it gives students a clear picture of the earliest practical heat engine before they study modern IC engines and turbines.

OEM Manufacturer

ScienceLab, the trading name of Jain Scientific Equipments Private Limited, is the OEM (original equipment manufacturer) of this Steam Engine Model and makes it at its own licensed factory at Saha s its major Expo mode ab