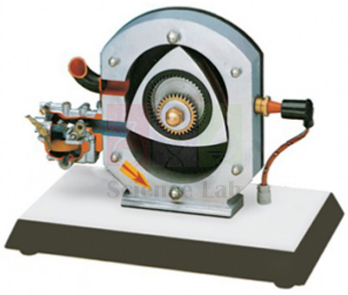
Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Wankel Engine Model

Product Code :

SLE/MCE/66



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

Description :

The Wankel Engine Model shows how a triangular rotor, turned by the driving shaft inside a sectioned stator, produces every working phase of a rotary engine. It is worked by a crank handle and built of light metal, with its parts, cross sections and fuel system painted in different colours. A small bulb lights at the compression phase to simulate ignition.

Wankel engine model specifications

Parameter	Detail
Engine type	Wankel (rotary) engine, cut-away for training
Rotor	Triangular piston operated by the driving shaft, rotating inside the stator and showing the different phases
Ignition simulation	Small bulb lights up at the compression phase
Construction	Light metal; various parts cross-sectioned to show internal operation
Colour coding	Parts, cross sections and fuel system painted in different colours
Operation	Manual, by crank handle
Mounting	On a base with wheel
Dimensions	350 × 400 × 300 mm
Weight	Approx. 7 kg
Product code	SLE/MCE/66
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Rotary engine lessons with the sectioned model

Following one rotor face. Fix a small paper tag to one face of the rotor and turn the crank handle slowly. Students record the order in which that face passes intake, compression, the bulb flash, power and exhaust. They also count crank turns for one full turn of the rotor and compare the count with the textbook relationship.

Three chambers at once. Stop the crank at any point and ask each student to name the phase taking place in each of the three chambers around the rotor. Repeat at the moment the bulb lights, so the class links the smallest chamber volume with the point of ignition.

Rotary against reciprocating. Set the model beside the four stroke petrol engine cut secti
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