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

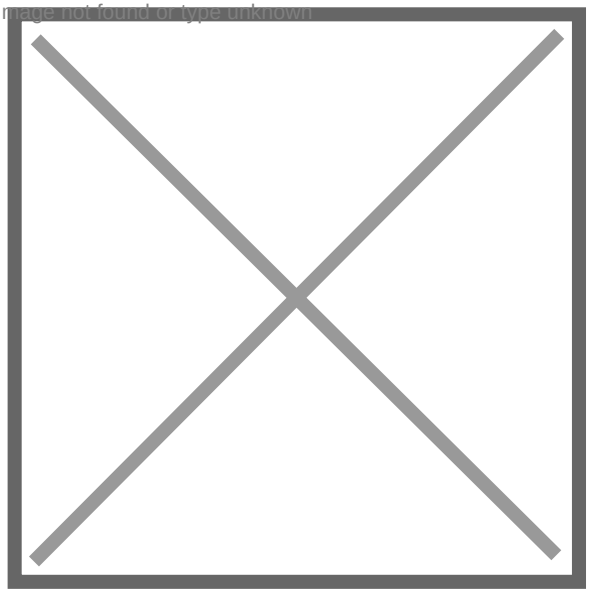
**Product Name :**

Working Model of Dynamo

**Product Code :**

SCL425/109

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## Description :

**Working Model of Dynamo** (Product Code: SCL425/109) is a hand-driven generator model used to show how mechanical energy is converted into electrical energy in school physics lessons. A hand-driven pulley turns the smaller dynamo pulley through a rubber belt for a step-up ratio,giving a clear demonstration of electromagnetic induction as the 2 bulbs supplied with it light up. Itis made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of physics lab equipment in India, at its own factory in Ambala.

### Specifications

| Parameter | Detail |
|---|---|
| Model type | AC dynamo model; demonstrates simple AC and DC dynamo principles |
| Construction | Basic assembly of the motor model, mounted on a base plate |
| Drive | Hand-driven pulley coupled to the smaller dynamo pulley by a rubber belt (step-up ratio) |
| Output | Pair of 4 mm sockets |
| Output load supplied | 2 bulbs |
| Product code | SCL425/109 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

### What Is the Dynamo Model Used For?

Turning the handle spins the armature beside the magnet, and the bulbs glow, showing directly that moving a coil in a magnetic field generates electricity. Turning faster makes the bulbs brighter, which lets students link the generated voltage with the speed of rotation, and the belt drive shows why a step-up pulley ratio is used.

Teachers often use it with the electric motor model to compare the two machines: the motor turns electrical energy into motion, while the dynamo turns motion back into electrical energy. Connect a galvanometer across the 4 mm sockets to watch the current, keep the rubber belt clean and seated on both pulleys, and turn the handle smoothly rather than jerking it.

### OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is the OEM (original equipment manufacturer) of the Working Model of Dynamo. The model is built at the company's own licensed factory at Saha, Ambala, Haryana, India, on the same basic assembly as its electric motor model, and is supplied factory-direct to schools, colleges, dealers and importers. The company is a registered MSME manufacturer (Udyam UDYAM-HR-01-0003714), and export shipments move under Importer-Exporter Code AAECJ8618A (DGFT). Read more on the Scien

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