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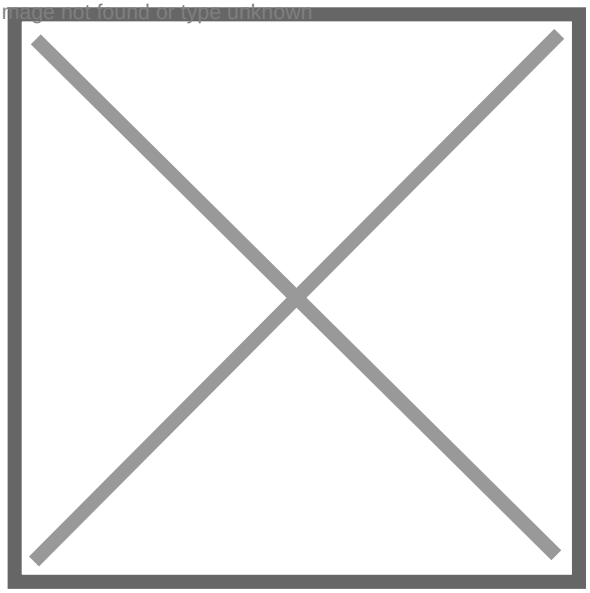
**Product Name :**

Horizontal Friction Table

**Product Code :**

SCL-329/063

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# Description :

**Horizontal Friction Table** (Product Code: SCL-329/063) is a mechanics apparatus used to demonstrate the composition of a force and to determine the coefficient of friction between different materials in school and college physics laboratories. Teachers use it as a compact friction experiment kit: a wooden base carries a hinged inclined plane and a pulley, and the plane can be set at any angle between 24 and 45 degrees. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

## Specifications

| Parameter | Detail |
|---|---|
| Purpose | Demonstrating the composition of a force; determining coefficients of friction between different materials |
| Base | Wooden |
| Construction | Hinged inclined plane with pulley |
| Angle setting | Adjustable between 24° and 45° |
| Supplied with | Cylindrical metal roller and scale pan |
| Product code | SCL-329/063 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM |
| Country of origin | India (made in Ambala, Haryana) |

## What Is the Friction Table Used For?

In a typical practical, the metal roller or a sliding block rests on the plane, a thread runs over the pulley to the scale pan, and weights are added to the pan until motion just begins. Comparing the loads needed at different settings lets students calculate the coefficient of limiting friction and resolve the weight of a body into components along and perpendicular to the plane.

Because the plane is hinged, the same table also supports angle-of-repose work: the plane is raised until a sample starts to slide and the angle is read, for materials whose angle falls within the 24–45° range. Keep the plane and sliding faces clean and dry, and tap the table lightly before each reading so that static friction does not give erratic results. It is a practical piece of mechanics lab equipment for school and undergraduate courses.

## OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the original equipment manufacturer (OEM) of this friction table. The table is produced and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, so schools, colleges and dealers buy directly from the maker rather than through a trader. Requests for a replacement roller or scale pan, and repeat orders, are handled by the manufacturer itself — just ask us. Read more on the ScienceLab company profile.

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