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**Product Name :**

Laboratory digital planetary mixer

**Product Code :**

SLE/CE/75



# Description :

**Laboratory digital planetary mixer** (Product Code: SLE/CE/75) is a table-mounted planetary mixer used to blend asphalt mixes evenly for specimen preparation in highway and materials testing laboratories. Road research labs and engineering colleges use its 5 litre bowl and whisk with user-set planetary speeds of 5 to 65 rpm, and a front grill that stops the machine as soon asit is opened. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory equipment supplier for highway and materials labs.

## Specifications

| Parameter | Detail |
|---|---|
| Application | Mixing asphalt mixes; can be used as part of a Superpave performance-based testing programme |
| Mounting and action | Table-mounted unit with planetary mixing action |
| Bowl capacity | 5 litres |
| Supplied with | Bowl and whisk, both easily fitted and removed |
| Planetary speed | User-defined, 5 to 65 rpm |
| Whisk speed | User-defined, 12 to 149 rpm |
| Speed control | Easily selected and adjustable during mixing |
| Controls | Dedicated display and keyboard interface; alphanumeric display, 2 x 16 characters |
| Safety | Opening the front grill automatically stops the machine |
| Overall dimensions | 465 x 540 x 620 mm (l x d x h) |
| Weight | Approx. 35 kg |
| Power | 370 W |
| Product code | SLE/CE/75 |
| Manufacturer | Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India |

## What Is the Digital Planetary Mixer Used For?

Every trial blend in an asphalt mix design has to be mixed thoroughly so the binder coats all the aggregate before specimens are compacted, and doing that by hand in a pan is slow and varies from person to person. In a planetary mixer the whisk spins on its own axis while also travelling around the bowl, so it reaches the whole batch. The operator keys in planetary and whisk speeds on the display and can change them while the batch is running.

Mixed batches then move on to compaction and to tests such as stability and maximum density, including within a Superpave performance-based programme. For buyers comparing laboratory instru s. Weig

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