

# **ACCELERATED AGGREGATE POLISHING MACHINE**

## **BE 74**

The Accelerated Aggregate (Road stone) Polishing Machine, often abbreviated as the Accelerated Polishing Machine (APM), is a specialized laboratory testing device used in civil engineering and materials science to evaluate the skid resistance of road aggregates. It simulates the polishing action of vehicle tires on road surfaces to determine the Polished Stone Value (PSV) of aggregates, such as road stone or chippings. This value measures how quickly the aggregate's surface becomes smooth (polished) under traffic, which is critical for assessing long-term road safety, especially in high-traffic or wet conditions where skid resistance is essential.

## **FOLLOWING STANDARD**

IS 2386 (Part IV), BS 812-114, EN 1097-8, ASTM D3319

## **KEY SPECIFICATIONS (BASED ON COMMON MODELS)**

<b>FEATURE</b>	<b>TYPICAL DETAILS</b>
Wheel Speed	320 rpm (adjustable in some models)
Tire Load	785 N (173 lbf)
Abrasive Feed	Automatic hoppers (1.5–0.25 kg/h stages)
Test Duration	3 hours (divided into 3 phases)
Capacity	14 specimens per run
Dimensions	800 x 800 x 1200 mm (W x D x H)
Power	750–1500 W, 220V/50Hz single-phase



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