



Micro-Deval Apparatus

Features:

- Effective and popular for measuring abrasion resistance and durability of aggregates
- Smaller equipment size and lower sample quantities provide a simple, cost-effective operation
- Compliant with ASTM, AASHTO, Canadian and stringent Texas DOT specifications
- State-of-the-art electronic controller precisely tracks testing operations
- Lexan doors enclose operation for optimal safety

Included Items:

- Micro-Deval Apparatus
- Two jars
- Two sets of 5,500g abrasive charge
- Magnet to assist in removing abrasive charge after test



The Micro-Deval Apparatus is a second generation, state-of-the-art machine. The machine has an electronic controller with an optical sensing system that accurately tracks test time, total revolutions and rpm of jars. The Micro-Deval is a two-tier unit with a sturdy steel frame. Each tier carries one stainless steel 5L jar.

When in use, an aggregate sample is placed in a sealed stainless steel jar with an abrasive charge up to 5,000g of 9.5mm diameter stainless steel balls and water. The mixture is then rotated at 100 RPM for 2 hours. The quality of the aggregate is determined by the percentage loss in the gradation results at completion. Small equipment size, lower sample quantities and a simpler procedure make the method easier and less costly to perform than traditional methods.