

## LABORATORY EQUIPMENT

### Introduction

- Most surface coatings are subjected to mechanical damage by impact which can deform the coating and/or the substrate. The Impact Tester, with its controlled variable range of impact energy, allows for coatings to be tested for elasticity, brittleness and adhesion to the substrate.

### Description

- The Impact tester consists of a tube fitted to a heavy base. A weight and hemispherical indenter is fitted into the tube, and moved freely up and down and positioned at the required height, before its release.
- The 1m (40") tube is graduated in centimetres and inches with a dropping weight of 1.8kg (4lb) to provide a range of impact energies - up to a total of 1m/1.8kg (160"/lb) force.
- Standard unit comprises 15.9mm ball and 16.3mm die.

### Method of Use

- Raise the indenter, and slide the test panel into position over a die block orifice. Rest the indenter on the test panel, raise the dropping weight to the desired height and allow the assembly to fall. Inspect the panel with a 10x magnifier.
- See ASTM 2794 AS1580-406.1 for precise test method.



Made in AUSTRALIA

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