Product name:	Product code:
Carbon Fibre Composite Laminate Compression After Impact Test Fixture	CMI-IND-0427

Description

Fixture and drop weight set that impacts composite laminates then compresses them to measure residual strength. Used by aerospace composite suppliers and airframe material labs.

Technical specification

- Impactor set
- Drop weight carriage
- Anti-buckling fixture

A flat laminate is struck at a set energy using a drop tower, damaged area is recorded, and the panel is loaded in a guided anti-buckling fixture to failure. Compressive strength after impact is a core damage tolerance property for aircraft skins.

Features

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- Anti-buckling support fixture for 100 x 150 mm panels
- Hardened steel hemispherical impactor 16 mm
- Adjustable impact energy by drop height and mass
- Fits any 100 kN universal testing machine
- Clamp pins and stiffeners to hold the plate edges

Technical Specifications

Panel size	100 x 150 mm
Thickness range	4 to 6 mm
Impactor	16 mm diameter hemispherical
Impact energy	Up to 50 J
Compression capacity	Up to 100 kN
Fixture material	Hardened tool steel
Standards	ASTM D7136, ASTM D7137, ISO 18352
Power	Machine dependent

Standard Accessories