| Product name: | Product code: |
| --- | --- |
| Lap Shear Strength Tester for Adhesive Bonds | CMI-IND-0157 |

## Description

Universal tester with lap shear grips and fixtures for measuring the shear strength of adhesive joints between metal, plastic and composite substrates. Used in automotive, aerospace and electronics bonding labs.

## Technical specification

- Wedge grips
- Alignment shims
- Software

Single lap joint specimens are loaded in tension at controlled rate until the bond fails, and the peak load divided by overlap area gives the shear strength in MPa. The result is a standard way to compare structural adhesives and surface treatments. Self-aligning grips and shims keep the load path correct.

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**Features**

- Capacity 20 kN with accuracy class 0.5
- Self-aligning wedge grips with shims
- Test speed 1.3 mm/min as per ASTM
- Software with shear stress calculation
- Environmental chamber compatible

**Technical Specifications**

| | |
|---|---|
| Capacity | 20 kN |
| Accuracy | +/- 0.5 % of reading |
| Speed Range | 0.5 - 100 mm/min |
| Specimen | 25.4 x 101.6 mm, overlap 12.7 mm |
| Crosshead Travel | approx. 1000 mm |
| Standards | ASTM D1002, ASTM D3163, ISO 4587 |
| Power Supply | 230 V AC, 50 Hz |
| Dimensions | approx. 650 x 500 x 1400 mm |

**Standard Accessories**