Product name:	Product code:
Seat Belt Webbing Tensile Strength Testing Machine	CMI-IND-0409

Description

Floor-standing tensile machine with wedge or capstan grips for breaking strength and elongation of vehicle seat belt webbing. Used by belt weavers, automotive restraint suppliers and homologation test labs.

Technical specification

- Capstan grip set
- Wedge grip set for 50 mm webbing
- Load verification certificate sheet

This machine pulls seat belt webbing to rupture and records breaking load and elongation on a digital controller. Capstan grips prevent slippage and jaw breaks on high-strength polyester webbing, giving repeatable results for incoming inspection and type approval work.

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Features

- Capstan or wedge grips for slip-free gripping of woven webbing
- Servo-driven crosshead with stepless speed control
- Load cell with 0.5 percent accuracy over 10 to 100 percent of range
- Peak load, elongation and breaking strength printed per specimen
- Rigid dual-column frame with limit switches and overload cut-off

Technical Specifications

Capacity	50 kN (5000 kgf)
Load accuracy	+/- 0.5 percent of reading
Crosshead speed	10 to 300 mm/min, stepless
Test space	600 mm between grips
Grips	Capstan type, 50 mm webbing width
Display	Digital controller with LCD, peak hold
Standards	IS 15140, ISO 6683 methods, ECE R16 webbing tests
Power	415 V, 3 phase, 50 Hz

Standard Accessories