

# Comprehensive Abrasion Test

TB5000 and TB5005

The Comprehensive Abrasion Test is a universal test machine to test the coating abrasion resistance on beverage cans or flat materials.

The reciprocating motion mimics in-the-field transportation abrasion damage of coatings equivalent to the Gavarti Associates "GV-CAT" system.

## Application

The Comprehensive Abrasion Test is used in coating test laboratories for quality control work.

## Features:

- Test abrasion resistance of coatings
- Reciprocating motion of beverage cans
- Mimics in-the-field transportation damage
- Menu-driven operation
- Spill drawer

## Ordering Information:

Article Number	Article Description
TB5000	Comprehensive Abrasion Test 230 VAC
TB5005	Comprehensive Abrasion Test 115 VAC

## Scope Of Supply:

- TQC Sheen Comprehensive Abrasion Test
- USB cable and USB stick with software
- Three sets of two side plates for 60, 80 and 100 mm test setups
- Top pressure plate assembly
- Bottom can carrier plate assembly
- Can positioning bar
- Air tube 5 m Ø6 mm
- Hexagonal wrench 4 mm

## Technical Specification:

Weight	125 kg / 276 lbs
Dimensions (WxHxD)	1.050 x 790 x 760 mm / 3,44 x 2,6 x 2,5 ft
Stroke length	12 mm to 50 mm / 0,5 to 2 in
Frequency	0 to 2,5 Hz
Ramp up/down time	0,25 Hz per cycle
Test duration	0 to 24 hours
Pressure top and side cylinders	0 to 6 bar / 0 to 87 psi
Can size	150 to 1000 ml 5,07 to 33,8 fl. oz. (US) 5,28 to 35,2 fl. oz. (UK)
Min/max can height	88 to 205 mm / 3,5 to 8,1 in
Min/max can diameter	53 to 84 mm / 2,1 to 3,3 in
Operating temperature	0 to 50°C / 32 to 122°F
Operating humidity	0 to 90% RH (non-condensing)
Power supply	115 VAC to 230 VAC
Max. power consumption	265 Watt
Air supply	8 bar ± 20%
Noise Level	< 70 dB

## Accessories:

Article Number	Article Description
TB5282 (A, B, C)	Kit with two fabric woven side pressure plates for small size cans (height: 60 mm/2,36 in)
TB5280 (A, B, C)	Kit with two fabric woven side pressure plates for medium size cans (height: 80 mm/3,15 in)
TB5281 (A, B, C)	Kit with two fabric woven side pressure plates for large size cans (height: 100 mm/3,94 in)
TB5290 (A)	One aluminum side pressure plate for small size cans (height: 60 mm/2,36 in)
TB5288 (A)	One aluminum side pressure plate for medium size cans (height: 80 mm/3,15 in)
TB5289 (A)	One aluminum side pressure plate for large size cans (height: 100 mm/3,94 in)
TB5329 (B)	Set of two replacement foam rubber base sheets for the TB5282 (height: 60 mm/2,36 in)
TB5325 (B)	Set of two replacement foam rubber base sheets for the TB5280 (height: 80 mm/3,15 in)
TB5327 (B)	Set of two replacement foam rubber base sheets for the TB5281 (height: 100 mm/3,94 in)
TB5330 (C)	Set of two replacement fabric woven top sheets for use with TB5282 (height: 60 mm/2,36 in)
TB5326 (C)	Set of two replacement fabric woven top sheets for use with TB5280 (height: 80 mm/3,15 in)
TB5328 (C)	Set of two replacement fabric woven top sheets for use with TB5281 (height: 100 mm/3,94 in)
TB5334 (D)	Set of two replacement para rubber top sheets for use with TB5282 (height: 60 mm/2,36 in)
TB5332 (D)	Set of two replacement para rubber top sheets for use with TB5280 (height: 80 mm/3,15 in)
TB5333 (D)	Set of two replacement para rubber top sheets for use with TB5281 (height: 100 mm/3,94 in)
TB5283 (L)	Can positioning bar
AB5500 (M)	Set of four flat panel test blocks
TB5270 (K)	Set of six custom can inserts, please specify height and diameter
TB5285 (I)	Top pressure plate assembly for all size cans
TB5284 (G)	Empty bottom can carrier plate assembly for all size cans
TB5336 (E)	Set of two fabric woven top sheets for use with TB5284 or TB5285
TB5337 (F)	Set of two foam rubber base sheet for use with fabric woven top sheet on TB5284 or TB5285
TB5335 (H)	Set of two para rubber top sheets for use with TB5284 or TB5285
TB5331 (J)	Set of two foam rubber base sheets for use with para rubber top sheet on TB5284 or TB5285

\*Plate assembly with foam rubber base and fabric woven top sheet

## Can Inserts:

As can dimensions vary, TQC Sheen supplies custom size can inserts for your cans.

**K TB5270** Set of six custom can inserts K

## Technical Specification:

**Diameter:** Please specify

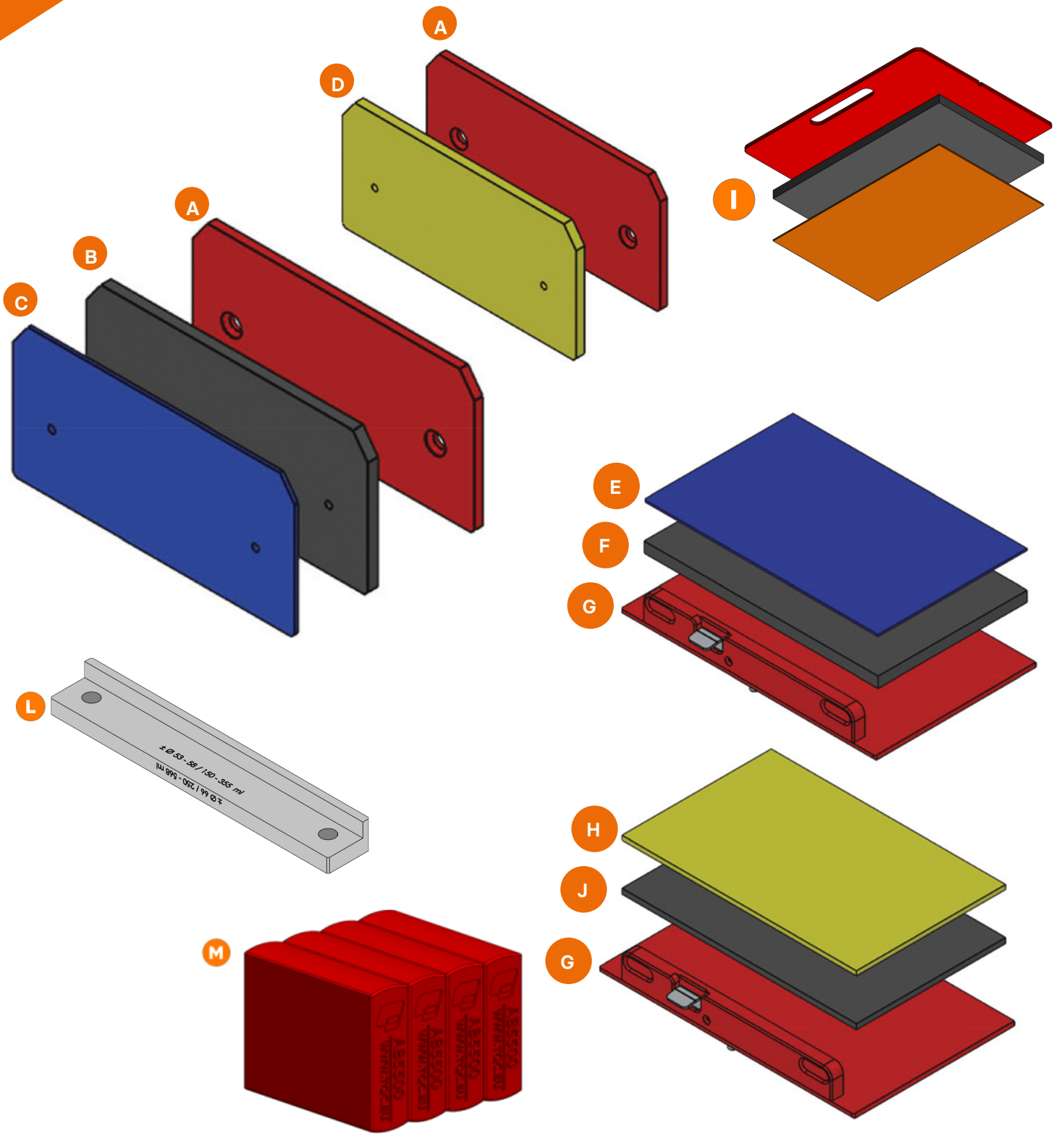
**Height:** Please specify

**Material:** POM

To get an exact fit please send us an example of your cans.

This will allow TQC Sheen to produce a set of perfect sized can-inserts.





### Disclaimer

The information contained in this document is liable to modification from time to time in the light of experience and our policy of continuous product development. Check the Industrial Physics website for the latest version.

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