

PW-LTT-02

Lisson Tretrad Carpet Wear Tester

Two-station testing of textile floor coverings. Controlled loading and slippage reproduce repeated mechanical wear; Method A evaluates specimen mass loss.



Product visualization.

Method reference	ISO 12951:2020 - Method A
Test capacity / action	2 specimens; two four-foot rotating heads
Test track / travel speed	800 mm nominal* / 0.28 m/s nominal
Sole peripheral speed	20% above linear travel speed, nominal
Head load / specimen tension	15 kg per head, without soles / 20 kg tension weight
Drive & loading	Step motors; independently weighted pivoting heads
Fibre extraction	Travelling nozzles, supported separately from loaded heads
Control & reporting	4.3-inch touchscreen; PC report with manual mass entry
Guarding	Transparent guard, cover interlock and emergency stop

*Track length follows the reference definition in ISO 12951; it is not the overall carriage stroke. Load and speed settings follow the selected method.

Working principle

Specimens are clamped under longitudinal tension. The rotating heads travel along the specimen length while their soles apply load and controlled slippage. Suction removes loose fibres. Method A results use specimen mass before and after testing; collected vacuum waste is not the weighing basis.

Supply scope

Two heads, specimen fixtures and tension weights, installed sole coverings and one spare set, integrated extraction, reporting software and operating instructions. External PC, 0.01 g laboratory balance, rotating-brush cleaner and conditioning facilities are outside supply.