

Instron 5985 (± 250 kN)



Overview

- ± 250 kN extra-height standing electromechanical universal test machine, primarily used for medium-high load measurements; fitted with 100 kN mechanical wedge-action grips

Applications

Product/service	Loading modes	Main uses	Materials
<ul style="list-style-type: none">• Mid load range mechanical testing• Training	<ul style="list-style-type: none">• Compression• Tension• Flexure• Shear• Tear• Peel• Puncture	<ul style="list-style-type: none">• Quasi-static tests• Ambient materials characterisation	<ul style="list-style-type: none">• Composites• Polymers• Coatings• AM• Metals

Recent use cases

- Apparent hoop tensile properties by split-disk loading of carbon fibre-reinforced plastic pipe sections
- Characterisation of the in-plane and interlaminar shear moduli and strengths by double v-notch beam, performed on coupons machined by NPL from CFRP pipe sections