

THE EXTEC® LABCUT 5000® ADVANCED COMPOSITE PLATE SAW SERIES



A completely new and upgraded design is your solution to accurate and repeatable test specimens. Highly accurate composite test specimens **go directly from the Extec Labcut 5000 to test.**

ADVANCED FEATURES:

- Stainless steel work chamber with laser engraved position reference and fully enclosed frame
- Easy to use computer based control module with conversational CNC interface and the ability to store unlimited programs for repeat operations
- Automatic programmable feed for multiple, repeatable specimens.

SPECIFICATIONS:

- Three standard models:
2' x 2' (600 x 600 mm),
4' x 2' (1250 x 600 mm),
4' x 4' (1250 x 1250 mm)
- Sheet thickness up to 55 mm
- Variable wheel (2000-5000 RPM) speed
- 380-440V, 3 Phase + Earth, 3.6hp
- Conforms to CE Safety Standards

THE EXTEC® LABCUT 5000® ADVANCED COMPOSITE PLATE SAW SERIES

The Extec Labcut 5000 Advanced Composite Plate Saw Series is designed to meet the needs of modern composite test laboratories for producing high quality test specimens from composite sheets. The unit, available in 3 standard models, 2' x 2' (600 x 600 mm), 4' x 2' (1250 x 600 mm), 4' x 4' (1250 x 1250 mm), is built for precise cutting of composite materials producing highly accurate test specimens. Capable of cutting the full width of the sheet, it is designed to cut specified material size cleanly with the blade passing beyond the sheet.

The Extec Labcut 5000 Advanced Composite Plate Saw Series is designed for rigidity and high precision cutting of a diverse range of materials (carbon/glass composites, aluminum, honeycomb, thermoplastic and hybrid materials).

The stainless steel clad work chamber, constructed to accommodate both large and small pieces of material and specimens, is easy to clean and features a laser engraved position reference.

The computer controlled easy to use conversational CNC interface displays a digital readout of machine parameters and settings. It also features storage for unlimited part programs and materials profiles allowing for repeat operations.

Universal bar clamp holds both laminate and cut specimen the entire length of the cutting head traverse to ensure a firm hold for accurate sectioning.

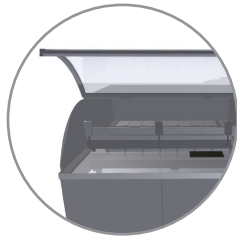
Accurate positioning of the material by the Y axis fences achieves multiple specimen cuts without user intervention and is designed for precision accuracy over the longest cut lengths and is designed to maintain parallelism better than 0.001"/L (0.020 mm/L).

Example of Rectangular Test Specimens:

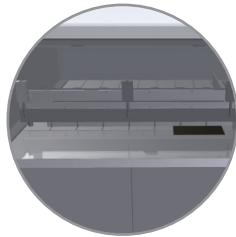
<ul style="list-style-type: none"> • Tensile • In-Plane Shear • Compression 	<ul style="list-style-type: none"> • Short Beam ILSS • Lap Shear ILSS • Flexural 	<ul style="list-style-type: none"> • OHT, OHC • Flatwise Tensile • Compression Strength After Impact 	<ul style="list-style-type: none"> • Fracture Toughness Mode I and II • Lap Shear
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ORDERING INFORMATION

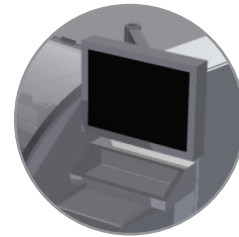
ITEM NUMBER	SHEET SIZE	SHEET THICKNESS	WHEEL DIAMETER	POWER
50282 Labcut 10-12 S55	2ft x 2ft (600 x 600 mm)	2.16in (55 mm)	10in, 12in (250 mm, 305 mm)	380-440V, 3 Phase + Earth, 3.6hp
50482 Labcut 10-12 S55	4ft x 2ft (1250 x 600 mm)	2.16in (55 mm)	10in, 12in (250 mm, 305 mm)	380-440V, 3 Phase + Earth, 3.6hp
50484 Labcut 10-12 S55	4ft x 4ft (1250 x 1250 mm)	2.16in (55 mm)	10in, 12in (250 mm, 305 mm)	380-440V, 3 Phase + Earth, 3.6hp



Fully Enclosed
Frame



Slatted Work
Table



Simple User
Interface