

COMPCUT[®]

ADVANCED COMPOSITE MACHINING



COMPCUT[®] PCR600

PRECISION COMPOSITE ROUTER

POWERED BY SHARP&TAPPIN

  compcutacm.com



COMPCUT® PCR600

The PCR 600 offers a 'hybrid' machining solution combining both routing and CNC milling, capable of cutting high precision 'dog bone' and 'open hole' compression test samples from an increasingly diverse range of composite materials.

The PCR 600 Router is available as a 'complete solution package' with a comprehensive range of cutting tools plus a suite of machining programmes, making it quick and easy to operate.

This intuitive cutting system has been specifically designed to produce highly accurate specimens and production components with an unrivalled surface finish, plus excellent parallelism and perpendicularity.

MATERIAL CAPACITY

Cleared Panel Size	600 x 600 mm
Material Thickness / Cut depth*	0 - 50 mm -Subject to tool
Axis Travel X,Y,Z	640, 640, 180 mm
Bridge/Table Clearance	130 mm
Coolant Capability	Flood Coolant with Bag Filter

SPINDLE

Speed	6,000 - 24,000 RPM
Spindle Power	0.90 kW
Collect	ER11
Autotool Changer	5 Station
Tool Shank Ø:-	1 - 7 mm

SPEEDS

Rapid Speeds X, Y, Z	300 mm/s
Cutting Speed	0.1 - 100 mm/s

ACCURACY, PERPENDICULARITY & PARALLELISM

Typical specimen perpendicularity	TBA
Typical specimen parallelism / 100mm*	TBA
Typical specimen parallelism / 300mm*	TBA
Typical specimen parallelism / cut L	TBA
Typical specimen Dimensional Accuracy	TBA
Typical specimen parallelism Z plane	TBA

EXTERNAL DIMENSIONS (MM)

Width x Depth x Height*	1650 x 1520 x 1600 mm
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REQUIRED SERVICES

Power	220V 1Ph 32A
Air – Dried & Filtered	70-100 PSI
Extraction	Application Specific

*Specification subject to change without notice, Weights are approximate and exclude packaging/shipping.