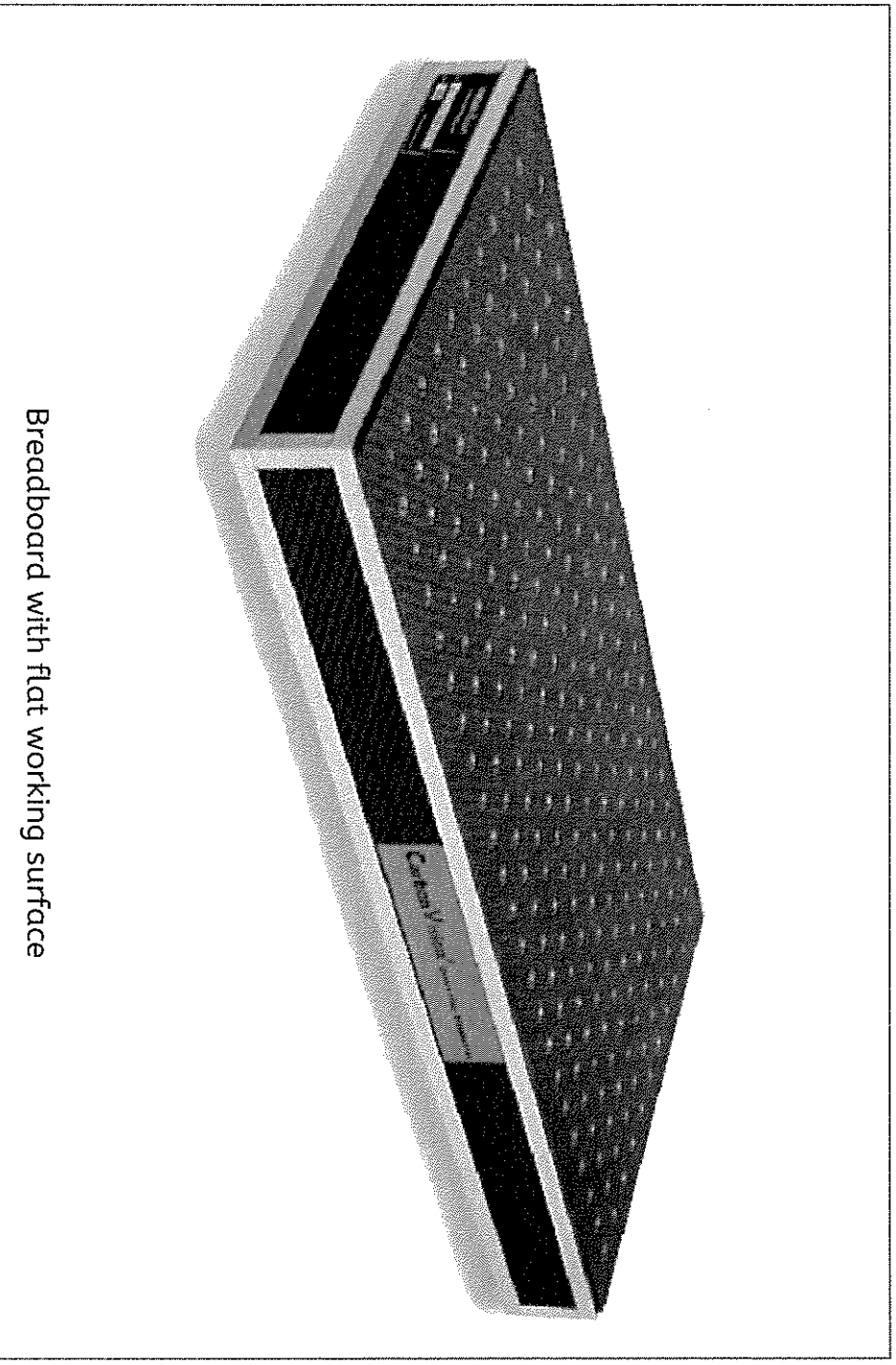


EC-VERSION

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Cost effective series of breadboards based on honeycomb or sandwich panels with thick CFRP (Carbon Fiber Reinforced Polymer) cover plate.

Stiffness and thermal stability can be adjusted by varying CFRP plate thickness on top/bottom side of the board.

Dimension

	Typical breadboard sizes are available, maximum size 2000 x 2500 mm
Thickness	Typical thickness ranges from 25, 50, 75 to 100 mm or according to structural requirements or customer needs
Flatness	Flatness of entire mounting surface EC- Version ≤ 0.05 mm , ECI-Version ≤ 0.2 mm
Mounting Grid	Typical mounting grid: 25x25 mm, 50x50 mm or customized
Mounting Holes	Metric and imperial threads, inserts are made from stainless steel, Aluminium, Titanium or INVAR
Damping	Nominal damping
Thermal Expansion	Lateral directions $CT_{Ex,y} = 2.5 \cdot 10^{-6}$ [mm/mm·K] @ 273 K for plane plate
Stiffness	Nominal stiffness
Weight	Area weight approximately 14 kg/m ² (50 mm grid)
Design	<ul style="list-style-type: none"> – Honeycomb structure with skins made from multi-layered Carbon fiber fabrics cured with Epoxy Resin – Skins are designed typically to meet quasi-isotropic behaviour or according to structural/thermal requirements – High rigidity Aluminium or closed cell foam
Top Side	Single inserts according to mounting grid, with first inserts 25 mm from edges or customized and sealed mounting holes
Bottom Side	Single inserts with through holes at corners, 25 mm from edges or customized
Sidewalls	Carbon fiber plates with edge protection profiles
Ventilation	For vacuum applications core materials are ventilated

ECI-750x1500-25-1-SP 1312 CTRP.

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