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# Auxetica™ Kinetic Ceiling

Auxetica™ a kinetic ceiling that reacts to human traffic. The kinetic ceiling is actuated with a microcontroller and a self-detecting camera module. The design of the ceiling utilises auxetic geometry to create a fabric-like stretch in a grid of inelastic panels. The triangles are pulled by cables and controlled by stepper motors. The stepper drivers act as the medium between the microcontroller and the stepper motors. They help to relay commands from the microcontroller to allow the stepper to move as desired. They are programmed to contour and follow traffic when humans walk under the ceiling - simply put, a ceiling that follows you.

## Technical Specifications

Structure	Panels, Cables, Frame, Spools, Electronics, Power Supply
Material	Aluminum, Stainless Steel, MDF, PLA
Finishing	Natural Anodised, Powder Coated, or Veneered
Mounting Mechanism (Panels)	Cable to Stepper Motor
Mounting Mechanism (Frame)	Anchors
Standard Thickness	1.5mm or 3mm
Standard Dimension	300mm x 300mm
Standard Shape	Equilateral Triangle
Toxicity Emission Test	EN 13986 : E1
Fire-Rated Test	EN 13501-1 = Class B s1, d0
Acoustics Test	Refer to Specifications