

# The Mayku Multiplier Specification Sheet



## Precision plastic fabrication on your workbench

Achieve sub-micron levels of detail with our cutting-edge pressure forming technology, ensuring that every part you create is a masterpiece of precision.

Replicate intricate structures on the sub-micron level for perfectly produced parts.

No layers, no de-lamination. Strong, isotropic parts formed from the desktop.

Work with a wide range of pure, factory-grade thermoformable materials.

<b>Key features:</b>	380mm (W) x 160mm (H) circular forming area
	Up to 60 psi (4 Bar) of forming pressure
	Unlimited custom material profiles - compatible with any thermoplastic
	Up to 5mm sheet thicknesses without Reducing Plate
	>5mm sheet thicknesses enabled with the Reducing Plate (available to buy separately)
	Automatic sheet leveling (no plastic droop)
	Precision IR sensor for plastic temperature control
	8 independent/redundant safety features
	WiFi updateable firmware for new features/materials
	In-built self testing, maintenance for ease of use
In-built air outlet for tools and accessories	

<b>Technical data:</b>	Input: 110-240V, 12A/6A (Single Phase)
	Max power: 1500W
	Maximum pressure: 4.1 bar/60 psi (Dome), 12 Bar/175 psi (Tank)
	Frequency: 2.4GHz
	LCD Resolution: 720x720
	Operating / storage temperature: +5 to +40°C
	Connectivity: WiFi

<b>Machine dimensions:</b>	Unboxed: 585mm (L) x 515mm (W) x 420mm (H)
	Weight: 57kg (125lbs)
	Boxed: 700mm (L) x 700mm (W) x 640mm (H)
	Weight: 67.5kg (149lbs)

<b>Forming:</b>	Forming area: 380mm (W) x 160mm (H)
	Max template volume: 3500cm <sup>3</sup> / 214in <sup>3</sup>

<b>Warranty:</b>	Period: 1 year
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<b>Materials with pre-programmed settings:</b>  (NB: The Mayku Multiplier is compatible with all thermoformable materials)	ABS 4mm (Tough, impact-resistant parts with excellent surface appearance)
	PMMA 3mm (Clear, hard-wearing parts with UV stability and qualities similar to glass)
	UHMW 3mm (Strong, abrasion-resistant parts with a low friction coefficient)
	PETG 1mm (Prototype food-safe packaging and create transparent parts in minutes)
	HIPS 1mm (Rapidly prototype using a recyclable material with a smooth, satin finish)
	EVA 1.5mm (Shock absorbent parts that are easily recycled and tooling for molds)
	Visit <a href="https://materials.mayku.me">materials.mayku.me</a> to order sheets

**Certifications:**

**CE** CE Marking

**FC** FCC Marking

**UK  
CA** UKCA Marking

**RCM** RCM Marking

**What's in the box:**

- 1x Multiplier
- 1x Power Cable
- 1x Instruction Manual
- 1x Activation Leaflet
- 1x Tool Kit
- 1x First Make Kit (containing a sample template and information booklet)

**Contact information:**

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