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MARKFORGED X7 3D PRINTER

Produce strong, functional parts
at end-use quality

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ThincLab's Markforged X7 3D printer is a high-quality industrial machine that enables the rapid manufacture of high-strength functional parts, whether for prototyping or end use.

Market-ready functional parts delivered at speed

The Markforged X7 offers everything you'd expect of a 3D printer, but with two important additions: superior material strength, and an outstanding aesthetic finish.

Together, these qualities enable, in many cases, the production of genuinely end-use-ready functional parts. The machine can also, of course, rapidly produce prototypes to facilitate your product development, testing and evaluation.

Working directly from your CAD drawings, the X7 applies state-of-the-art technology to provide excellent print quality, using a unique composite material.

Introducing Onyx—1.4 times stronger than ABS

The Markforged X7 uses a material called Onyx—also developed by Markforged—which combines nylon and micro-carbon fibres. The resulting filament is significantly stronger, tougher and more heat tolerant than other plastic 3D printing materials.

Markforged claims parts printed with Onyx are 1.4 times stronger and stiffer than those printed with ABS, and will retain their structural integrity in temperatures of up to 145°C (heat deflection point).

Onyx can also be further reinforced with layers of carbon fibre, Kevlar or glass fibre.

Attractive matte black finish

As well as being super strong, Markforged Onyx-printed parts look fantastic. The material delivers a smooth, matte-black finish that requires little, if any, post-processing.

The promise of market-ready 3D-printed products is very much a reality.



MARKFORGED X7 SPECIFICATIONS

Build size	330 x 270 x 200 mm
Layer thickness	50 micron
Resolution	+/- 0.2 mm
Materials	Onyx (nylon with micro-carbon fibres) and nylon; optional carbon fibre, kevlar and glass fibre reinforcement

READY TO PUT IT TO WORK?

Then let's talk. Contact our ThincLab 3D Printing Studio at any time to discuss your specific needs, or request a quote.

FOR FURTHER ENQUIRIES

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