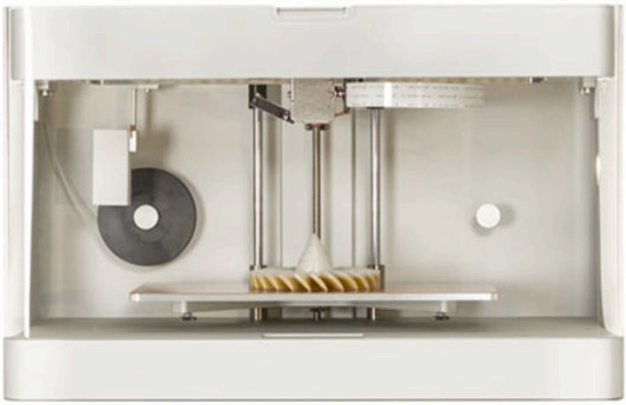
info@creat3d.co.uk
0800 689 10 11
www.desktop3dprinter.com

The revolutionary Mark One Composite 3D Printer comes to Falmouth 3D Printing Week in September.

2nd September 2015

CREAT3D, the UK's leading independent desktop 3D printer specialist will be showcasing the latest development in 3D printing equipment over 2 days during the Falmouth/Penryn 3D Printing Demonstration Week on Thursday 25th and Friday 26th September, in Falmouth, Cornwall.

The Mark One Composite 3D Printer by MarkForged, ideal for Marine applications, produces Nylon based parts that can be reinforced with Carbon Fibre, Fibreglass or Kevlar, creating very high strength, functional 3D printed parts, for working prototypes or jig & fixtures. The printer can also be used to embed other components such as sensors and electronics into the object during the print process.



So, why is the Mark One so revolutionary?

In short, the Mark One 3D printer is unique. It presents completely different capabilities from other desktop 3D printers currently on the market...

- It produces super strong, stiff or flexible parts using Nylon as its base material
- The composite nozzle (as its name would suggest!) allows you to add reinforced fibres in Kevlar, Fibreglass or Carbon Fibre into the part to provide additional strength and structural qualities. By using these reinforcements, it is possible to create parts that have a higher strength-to-weight ratio than Aluminium
- You can add components such as sensors, electronics and fittings into your 3D printed part by automatically pausing the print process at a specified layer.

- The proprietary software, Eiger, is cloud based (accessible from anywhere with Internet) and is exceptionally powerful and intuitive

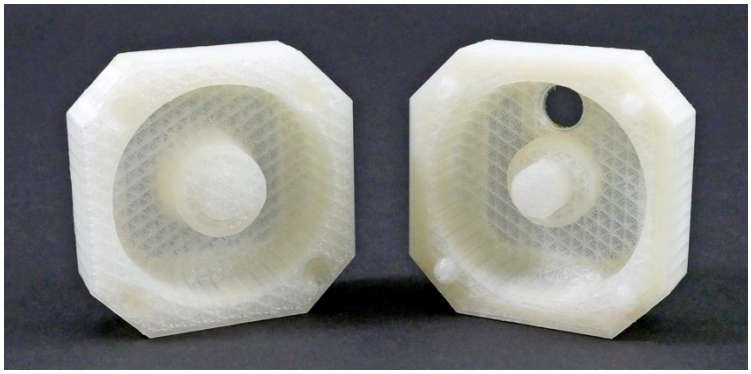
CREAT3D is the selected partner to bring the Mark One 3D Printer to Businesses in the UK, providing customers with technical support alongside expert in-depth training to allow customers to understand how and where this 3D printer technology can enhance existing business processes.

Examples of the Mark One Capabilities

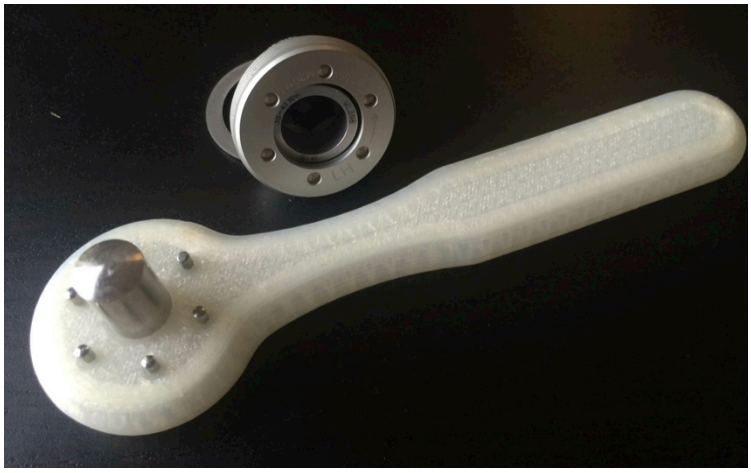
The material combinations available with the Mark One 3D Printer provides a number of applications for jigs and fixtures, end-use parts, components (with embedded technologies and parts) through to prototypes for product design & innovation.

A chain link printed on the Mark One with reinforced Carbon Fibre by the Olin College of Engineering supported approximately 10 tonnes before failing.

The red urethane skateboard wheel was created by pouring liquid urethane into a Mark One 3D printed two-piece mould (a nylon mould reinforced with Fibreglass).



Tooling produced using Nylon with reinforced Fibreglass, with exact fittings embedded in the wrench during the 3D printing process.



The CREAT3D team of experts will be available on Thursday 24th and Friday 25th September at the Falmouth 3D Printing Demonstration Week from 10am to 5pm. The event is taking place at the Royal Cornwall Polytechnic Society. CREAT3D invite visitors to bring examples of parts they may wish to 3D print and will be offering free consultations to discuss the feasibility of incorporating desktop 3D printing into existing processes.

For further information or to arrange a free consultation, contact:

Simon Chandler
simon@creat3d.co.uk

Sabina Gonzalez-George
sabina@creat3d.co.uk

Tel: 0800 689 10 11
Web: www.desktop3dprinter.com
Showroom: 38C Church Street, Caversham, Reading, Berkshire, RG4 8AU

Further information about CREAT3D Ltd can be found here

CREAT3D Ltd. CREAT3D is the UK's leading specialist in desktop 3D printers, 3D scanners and accessories for business and education. The company, which began in 2012, is based in Berkshire and operates within the United Kingdom. CREAT3D's showroom is based in Caversham, Reading. CREAT3D has a hand-picked product range specifically tailored to the needs of its business and education customers. The CREAT3D team prides itself on its detailed knowledge gained through using, and challenging, its range of products every day. CREAT3D focuses on offering first-class customer service with friendly, straight-forward help and advice, with technical support available 6 days a week and tailored training packages.

Facebook: http://www.facebook.com/CREAT3DprintersUK
Twitter: http://twitter.com/ CREAT3Dprinters
Google+: google.com/+Desktop3dprinter