



# Creative Technology Hub equipment

## Emblaser 2 Laser Cutter/Engraver

A precision cutting and engraving tool that works on cloth, cardboard, paper, leather, wood and acrylic. Ideal for creating 3D models, jewellery, decorative objects and more.

Materials available: Plywood, and Acrylic. Only Creative Tech Hub materials may be used in the Emblaser 2.

Material Capacity: 500 x 300 x 50mm (19.66" x 11.81" x 1.97").

Visit the [Darkly Labs website](#) for more information.



## Zortrax M200 Plus 3D printer

Allows for precision printing with layers of plastic filament.

Materials available: Thermoplastic polyester elastomer, high impact polystyrene, transparent thermoplastic, PLA.

Build volume: 200 x 200 x 180mm (7.9" x 7.9" x 7.1").

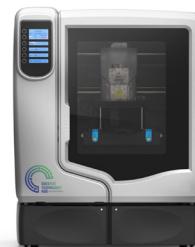
[Click here to book the Zortrax.](#)



## uPrint SE Plus 3D printer

A fully enclosed precision printing machine which uses ABS thermoplastic to create durable, stable and accurate models.

[Click here to book the uPrint.](#)



## Carvey CNC router

A fully enclosed 3D carving and cutting machine that allows you to make products out of wood, metal and plastic. Ideal for making signs, decorative objects and more.

Maximum material size: 300 x 200 x 7mm (12" x 8" x 2.75").

For more information, visit the [Carvey website](#).



## Leap motion controller

Reach into virtual and augmented reality. Swipe, grab, pinch or punch your way through the digital world.

Find out more on the [Leap Motion website](#).



## Einscan 3D scanner

A multi-functional handheld 3D scanner that rapidly and accurately captures 3D data of real objects.

Visit the [Einscan website](#) for more information.





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## HP Sprout

Sprout's 3D Capture app creates a high resolution, full colour 3D digital model that you can manipulate any way you choose.



## Wacom Graphic Tablet

Digitise your hand-drawn images, graphics and handwriting.

Learn more on the [Wacom website](#).



## Oculus Quest

This Virtual Reality headset allows you to fully immerse yourself in games and apps, create virtual art, and explore the world without leaving your chair.



[Click here to book the Oculus Quest](#) or visit the [Oculus Quest website](#) for more information.

## Ricoh Theta V

This 360° camera records high resolution still images and videos, allowing you to create realistic VR imagery and content that can be edited and shared online.



[Click here to book the 360° camera](#) or visit the [Theta website](#) to find out more.

## mBot

An entry-level robot kit that you can construct from scratch. Learn about robotic machinery and electronic parts, and get to know the fundamentals of block-based programming.



Find out more on the [makeblock website](#).

## mBot Ranger

The mBot Ranger is an advanced robotics kit containing approximately 100 mechanical parts and electronic modules. There are three preset forms for users to construct, drive and program.



Find out more on the [makeblock website](#).

## Airblock

Designed for play! Build an aircraft, hovercraft and many other flying creations. Learn about aerodynamics through block-based programming and innovative play.



Visit the [makeblock website](#) for more information.



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## Ozobot Evo

The Ozobot Evo uses sensors to follow lines and read colour codes, allowing for screen-free coding.

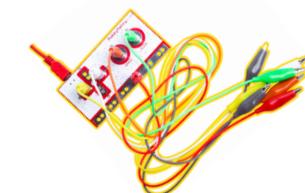
Learn more on the [Ozobot website](#).



## Makey Makey

These electronic invention kits allow users to connect everyday objects to computer programs, turning them into touchpads and controllers.

Visit the [Makey Makey website](#) to find out more.



## Kano PC

Learn how computers work by building your own DIY computer! Connect the battery, speaker, case and keyboard, journey through the operating system and learn to code using both block and type code.

Learn more by visiting the [Kano website](#).



## LEGO Mindstorms EV3

Buildable and programmable robots are made of LEGO bricks! Create a preset design or modify your own creations, then use block coding to program your robots.



## 3Doodler

3D pens extrude heated plastic filament that hardens in seconds, allowing you to 'draw' 3D objects. Ideal for creating jewellery, fixing plastic items, making decorative pieces and much more.



Find out more on the [3Doodler website](#).

## Micro:bit

This tiny programmable computer can be used for just about anything. From robots to musical instruments, the possibilities are endless! Coded blocks, Javascript, Python, Scratch and more.



Visit the [Micro:bit website](#) to learn more.

## uArm Swift Pro

Modelled after industrial robots, this high-grade desktop robotic arm can be programmed to perform any task, including writing, engraving, and picking and placing objects up to 500g.



Learn more on the [uFactory website](#).