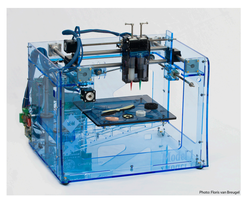
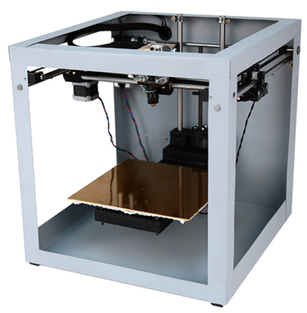
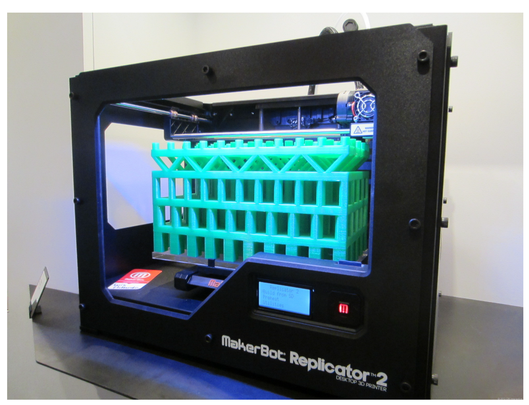
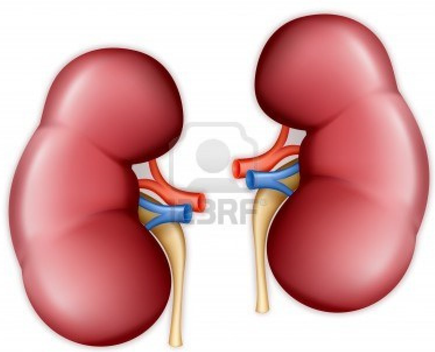
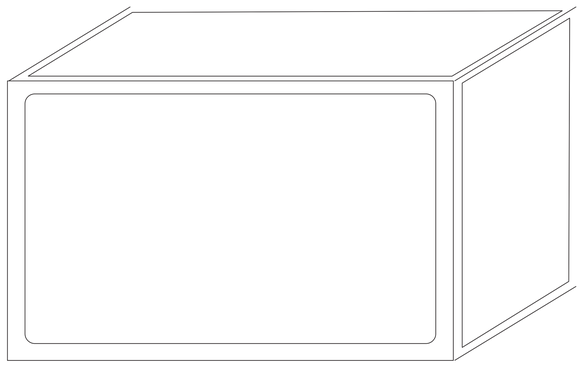
HISTORY OF 3D PRINT

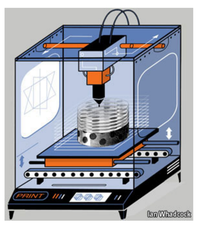


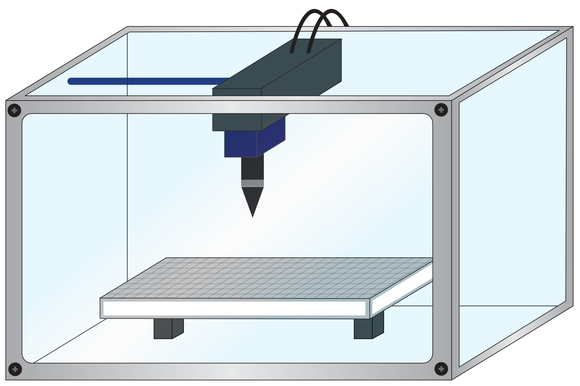


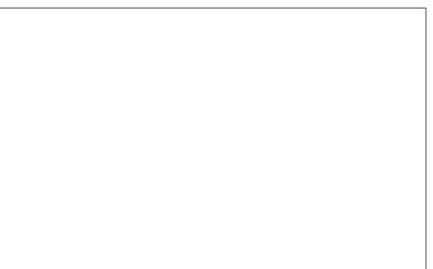


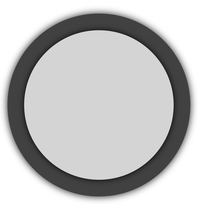












A HISTORY OF 3D PRINTING

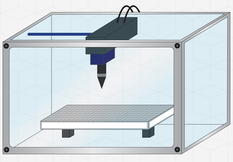
3D Printing, also known as additive manufacturing, is a fast growing and exciting field of technology that has the potential to revolutionise the world of tomorrow. The process involves the 3D Printer building a complete 3D object via adding layer upon layer of material until the object is complete. You may not realise it, but 3D printing technologies have been around over 2 decades and are only now gaining the attention they deserve.

1986

Charles Hull patents stereolithography and founds his company 3D Systems

1992

First SLA (Stereolithographic Apparatus) invented by 3D Systems

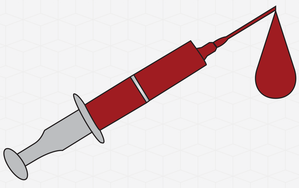


2002

Scientists engineer and print a fully functional mini 3D kidney

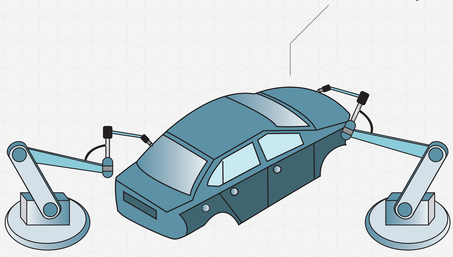
2009

Bioprinting: The first blood vessel is bioprinted



2011

The first car is 3D printed



2012

A 3D printed prosthetic jawbone created from titanium is successfully implanted into an 83 year old women.

1986

Charles Hull patents stereolithography and founds his company 3D Systems

1992

First SLA (Stereolithographic Apparatus) invented by 3D Systems

2002

Scientists engineer and print a fully functional mini 3D kidney

2008

The first self replicating 3D printer, Darwin is released to the market

2009

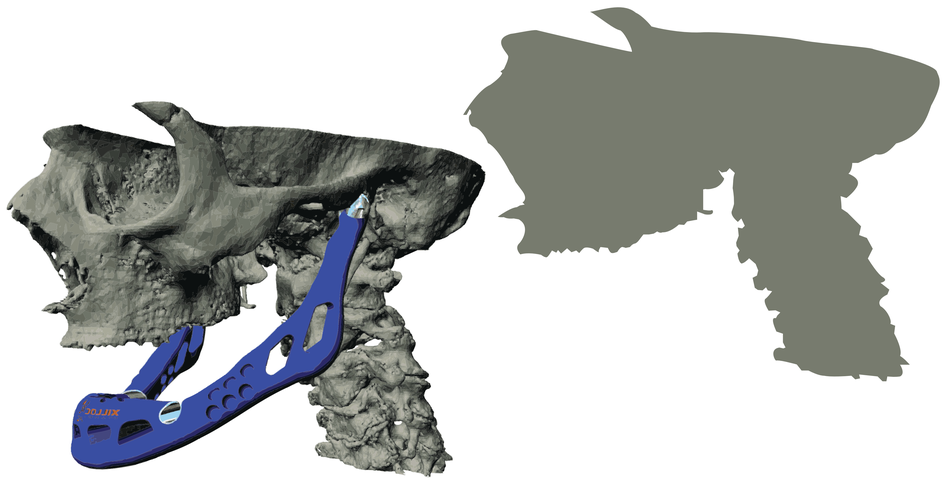
Bioprinting: The first blood vessel is bioprinted

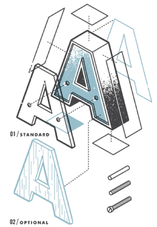
2011

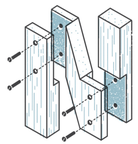
The first car is 3D printed

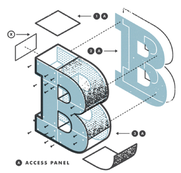
2012

A 3D printed prosthetic jawbone is successfully implanted

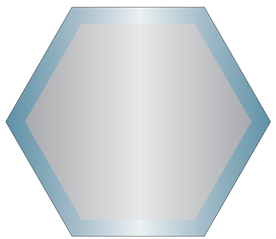


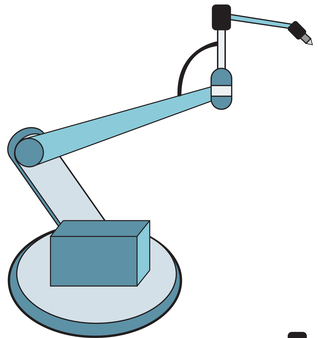


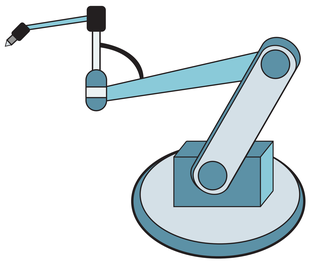


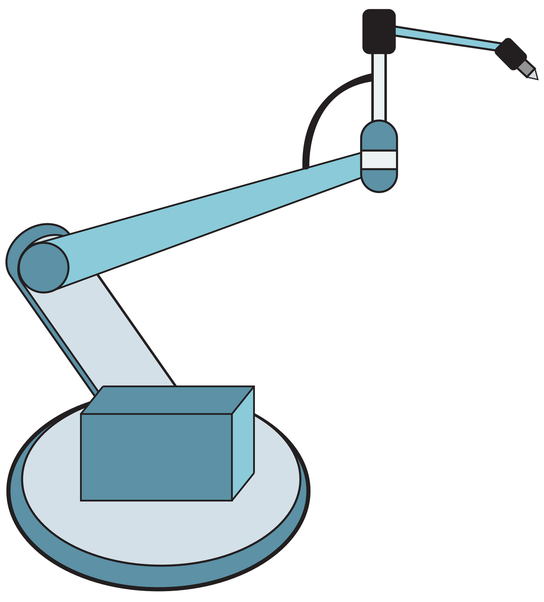


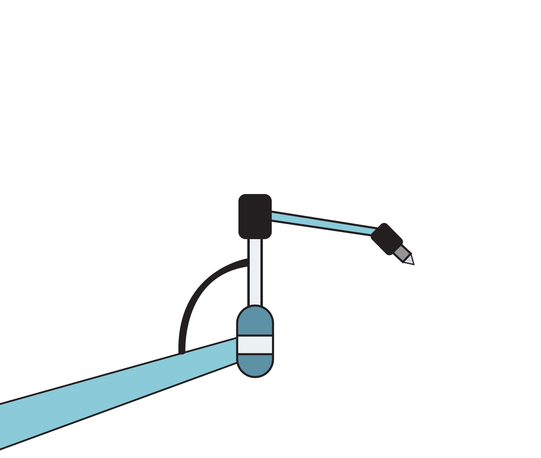
A HISTORY OF 3D PRINT











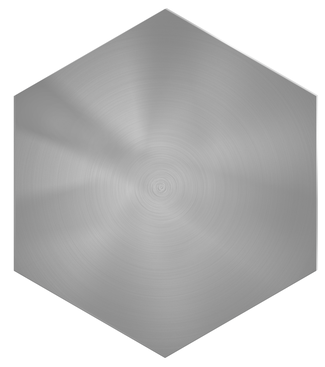
3D Printing

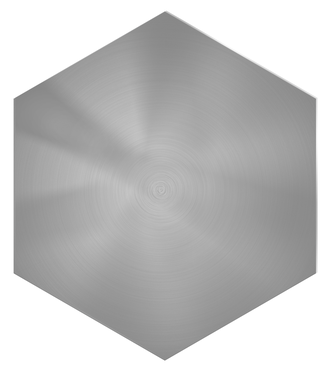
How Long till the Revolution?

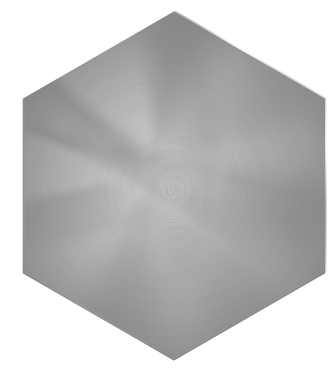
3D Printing (also known as 'Additive Manufacturing') is where a physical object is created from a virtual 3D model by laying down successive layers of material.

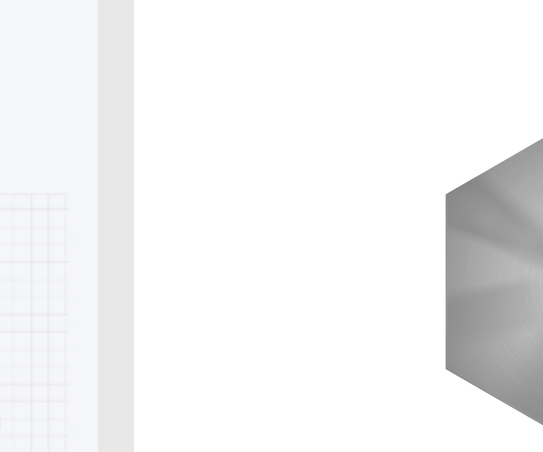
Sounds complicated?

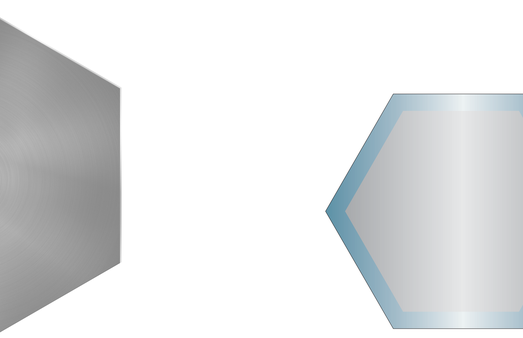
Put simply - if you can design it, a 3D printer can build it.
3D Printers can make anything from:

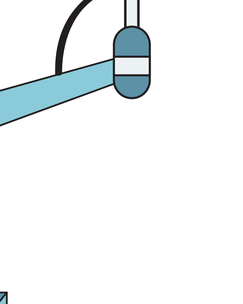


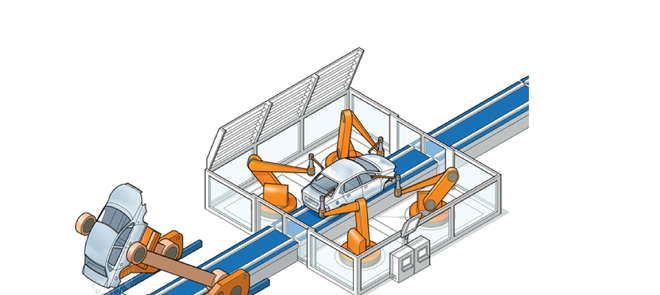


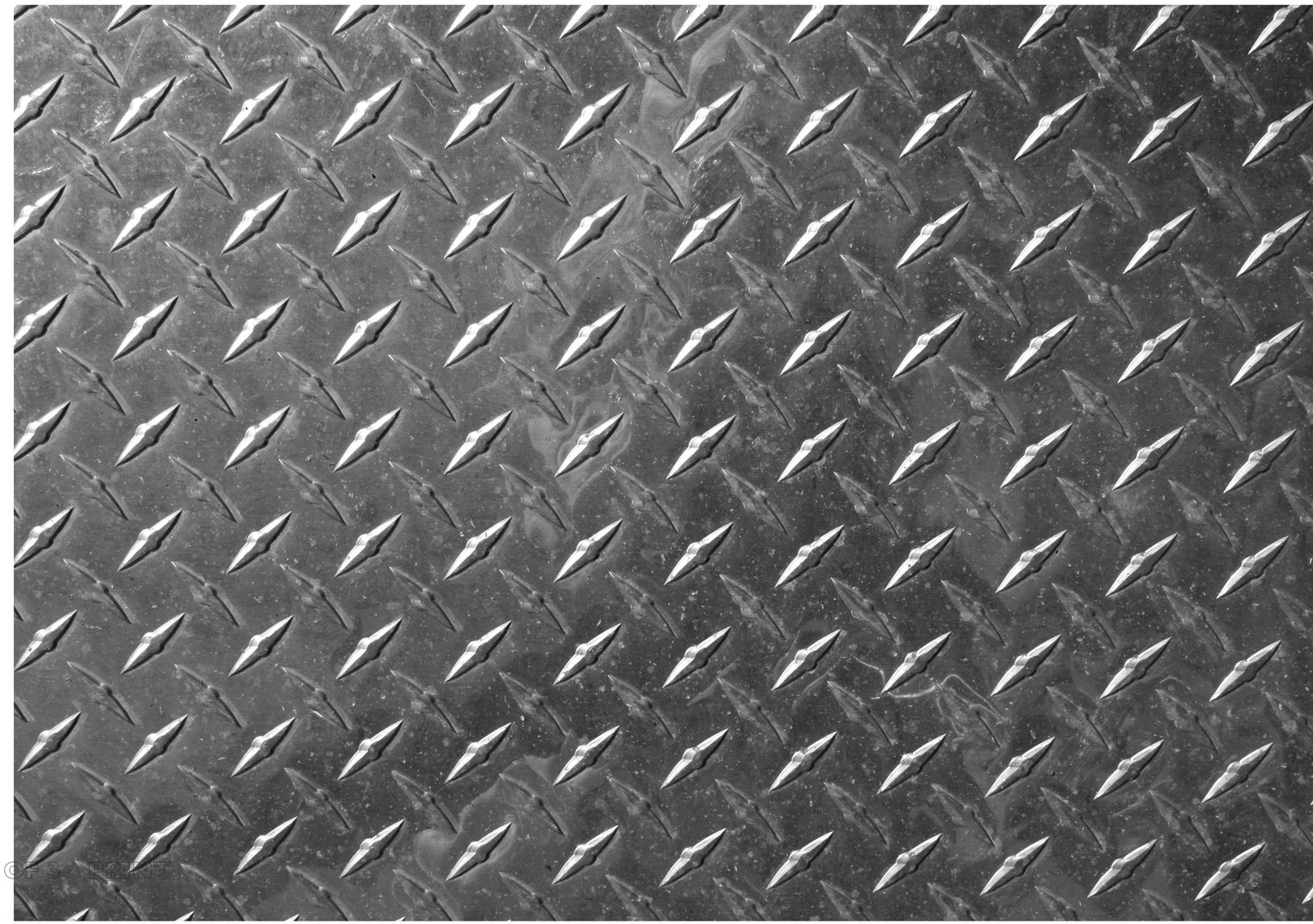


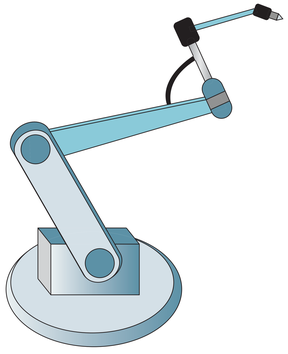


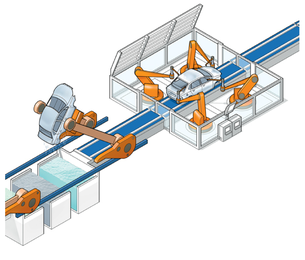


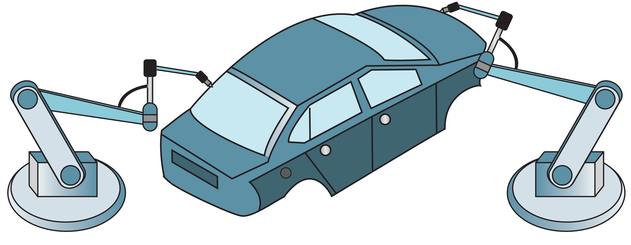


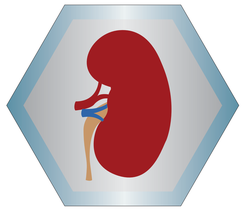


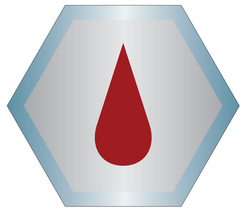


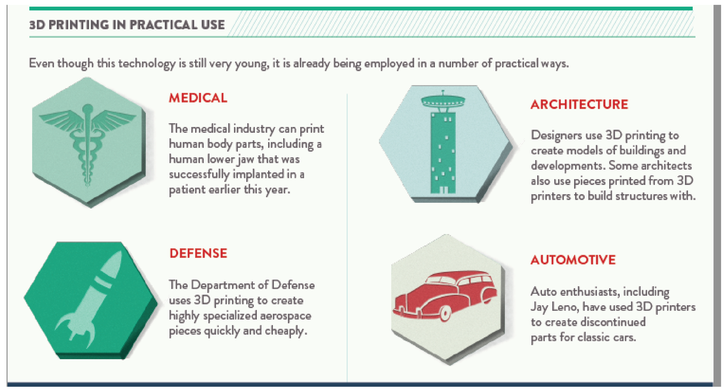


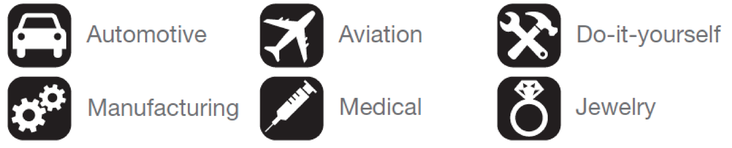
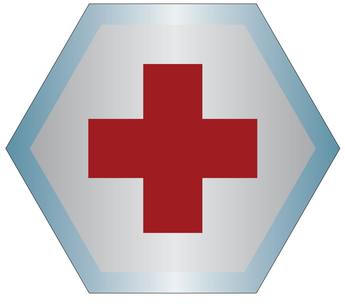
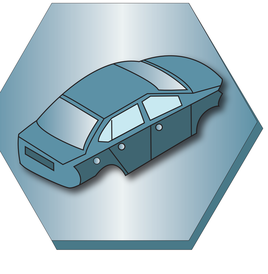
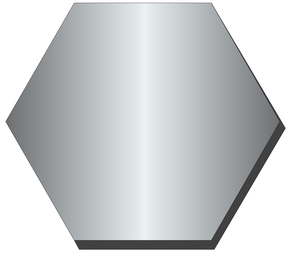
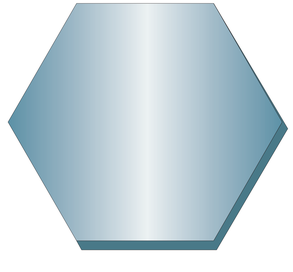
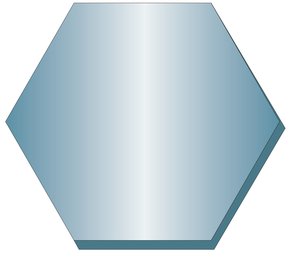









3D PRINTING IN PRACTICAL USE
Even though this technology is still very young, it is already being employed in a number of practical ways.
MEDICAL
The medical industry can print human body parts, including a human lower jaw that was successfully implanted in a patient earlier this year.
ARCHITECTURE
Designers use 3D printing to create models of buildings and developments. Some architects also use pieces printed from 3D printers to build structures with.
DEFENSE
The Department of Defense uses 3D printing to create highly specialized aerospace pieces quickly and cheaply.
AUTOMOTIVE
Auto enthusiasts, including Jay Leno, have used 3D printers to create discontinued parts for classic cars.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Aviation
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Manufacturing
Medical
Jewelry