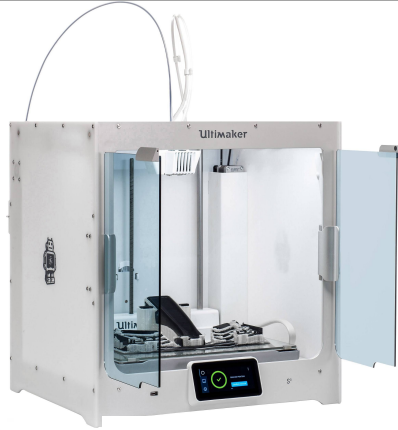
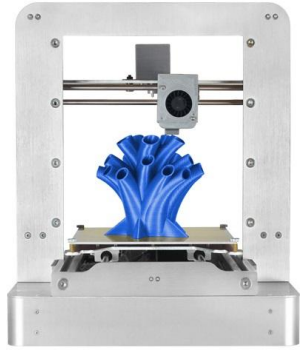


What is 3D Printer ?



What is 3D Printer ?



zortrax M300



formlabs
Form Cure



XYZprint
da Vinci 1.0 Pro



XYZprint

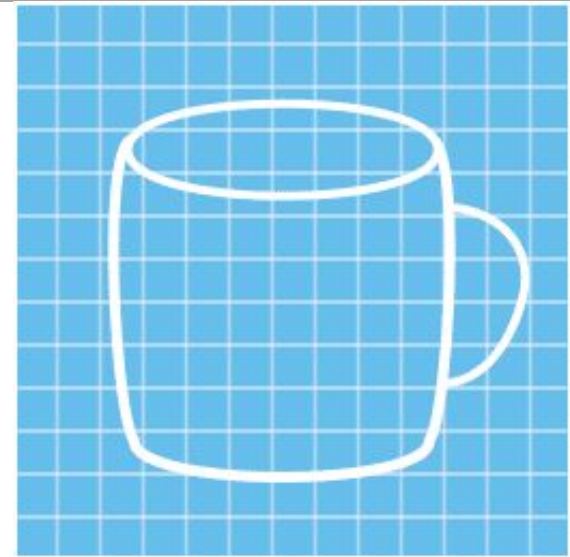
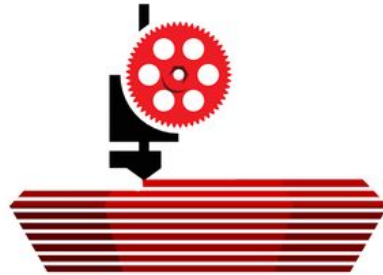
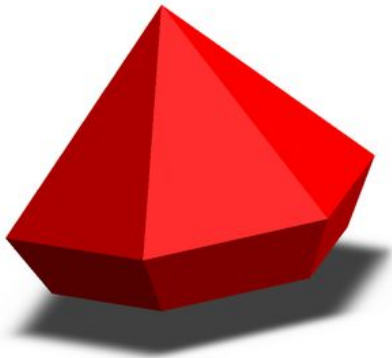


All3DP
BEST
3D PRINTER
FOR BEGINNERS
Tosim
UP MINI2
2017

UP MINI2



ขั้นตอนการทำงานของ 3D Printer



Start with a 3D CAD file either by creating the 3D model or scanned with a 3D scanner

ขั้นตอนการทำงานของ 3D Printer

3D Printing Process



3D Cad
Model



.STL
File



Slicing
Software



Layer Slices &
Tool Path



3D
Printer



3D
Object

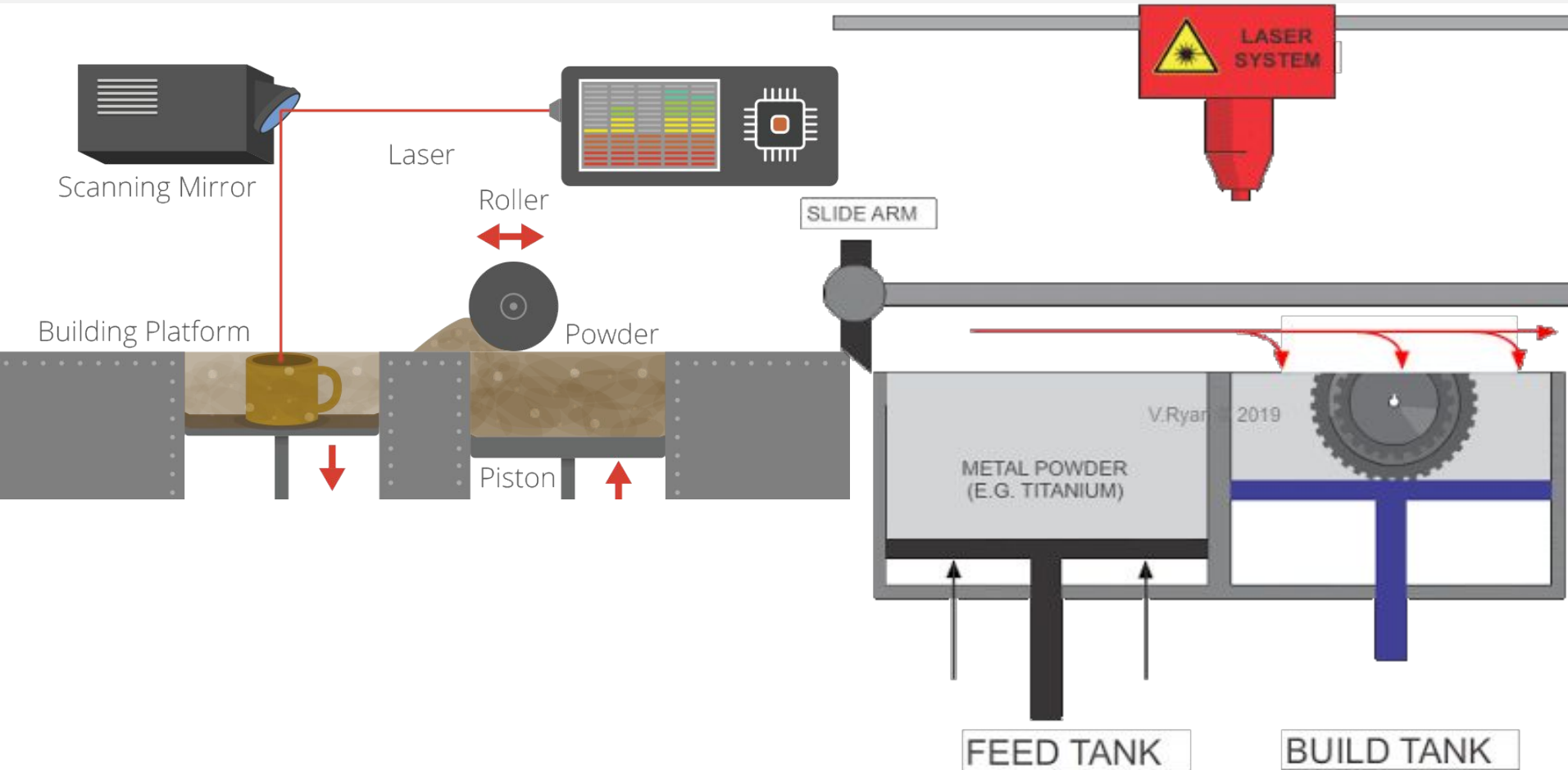
เทคโนโลยี 3D Printer

Selective Laser Sintering (SLS)

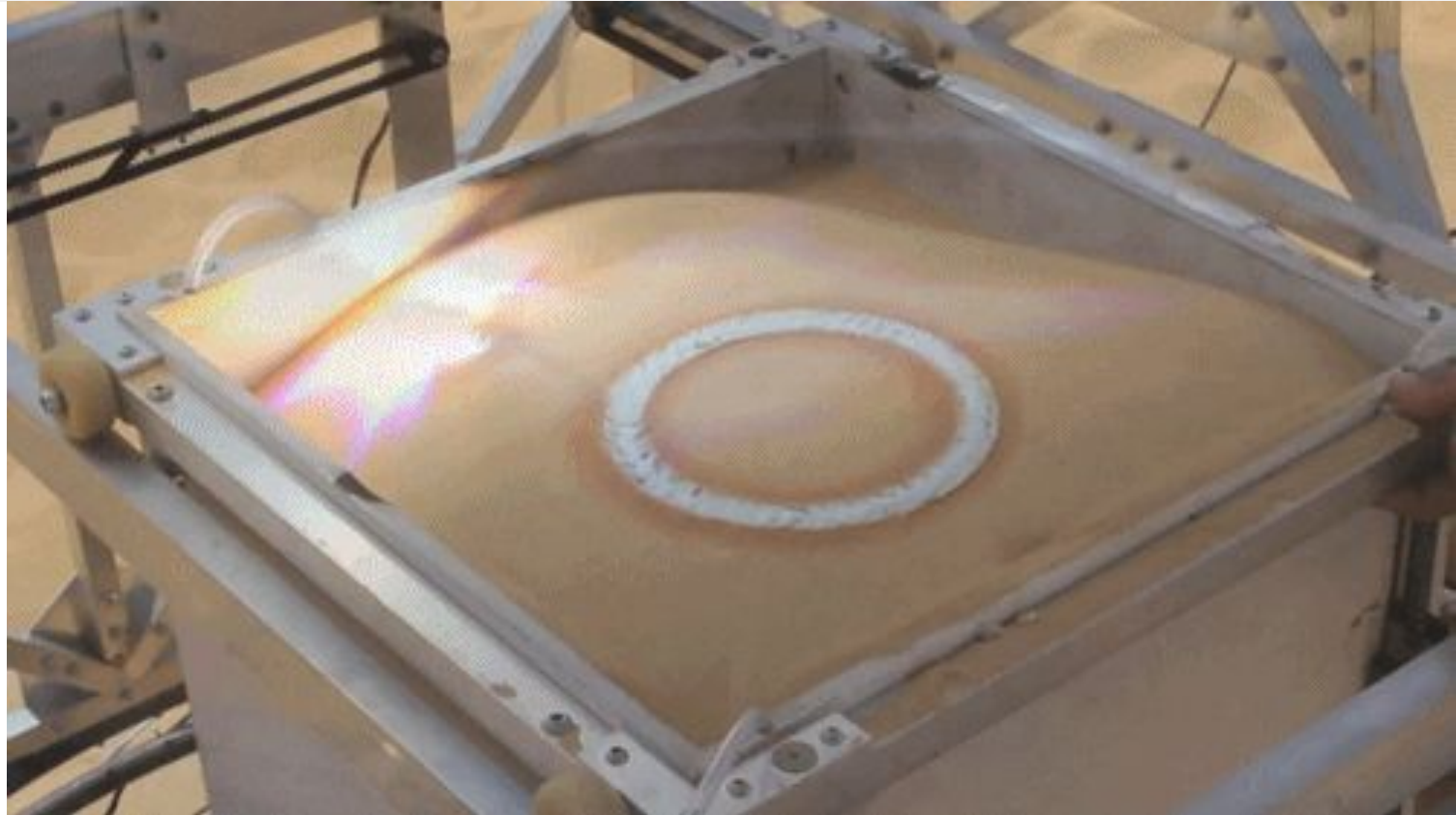
Stereolithography (SLA) & Digital Light Processing (DLP)

Fused Deposition Modeling (FDM)

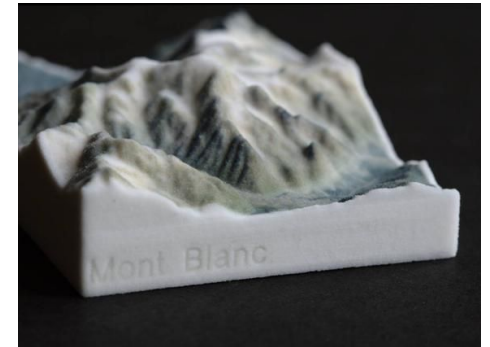
Selective Laser Sintering (SLS)



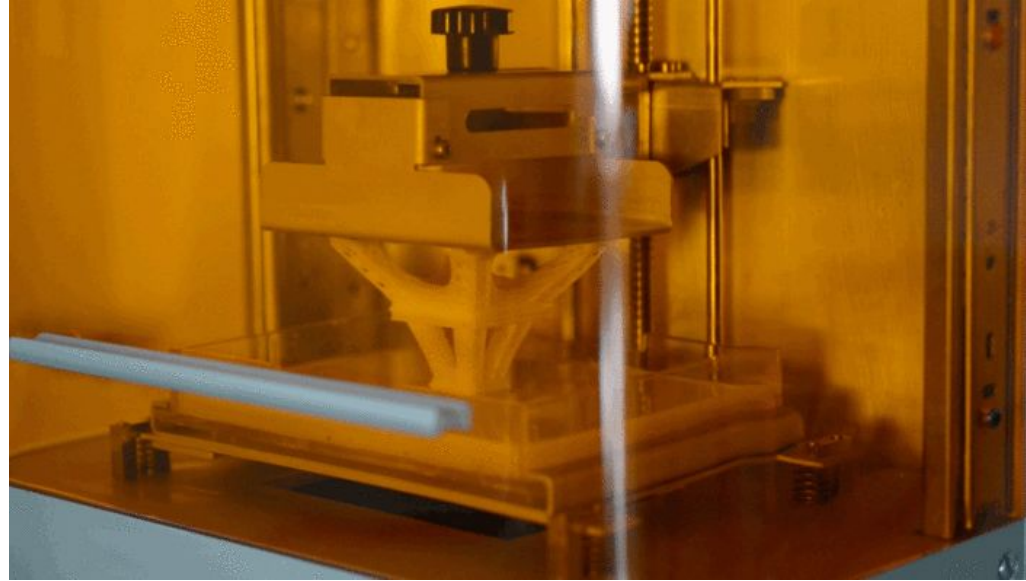
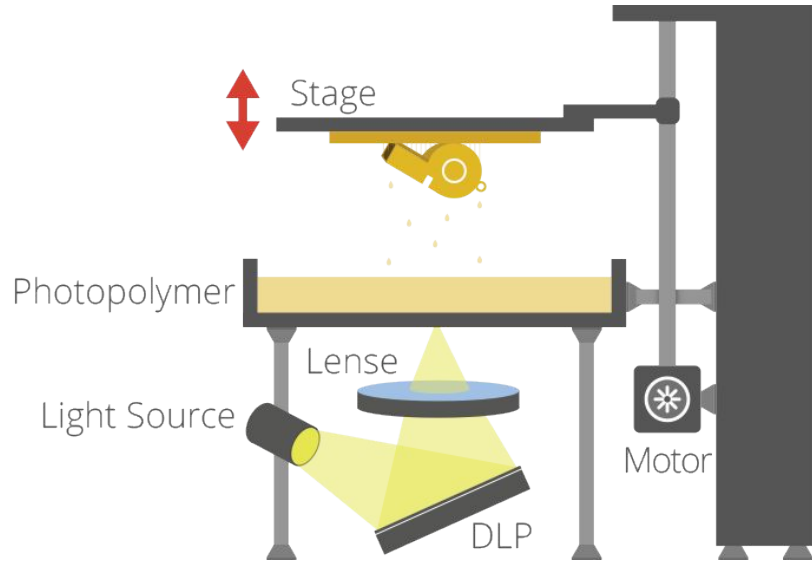
Selective Laser Sintering (SLS)



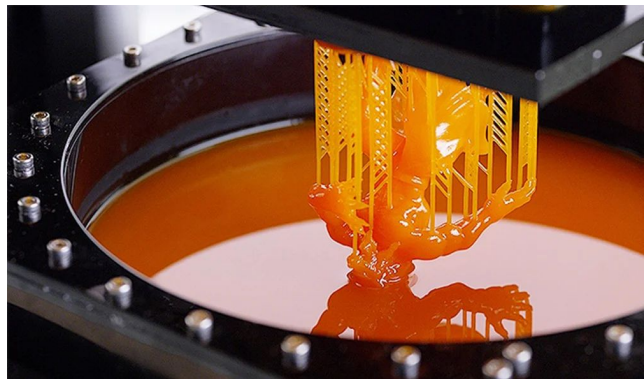
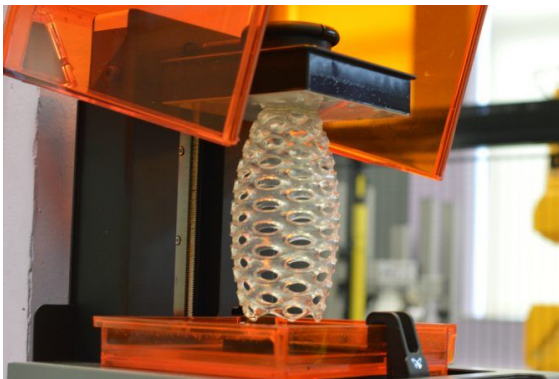
Selective Laser Sintering (SLS)



Digital Light Processing (DLP) & Stereolithography (SLA)



Digital Light Processing (DLP) & Stereolithography (SLA)



เรซินที่ใช้ในระบบ SLA หรือ DLP

Standard Resins

Engineering Resins

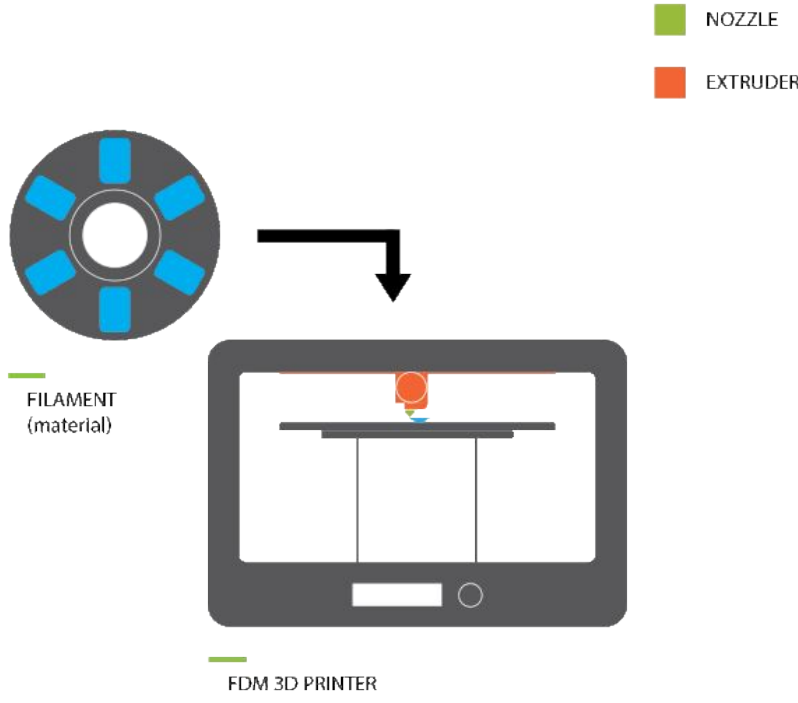
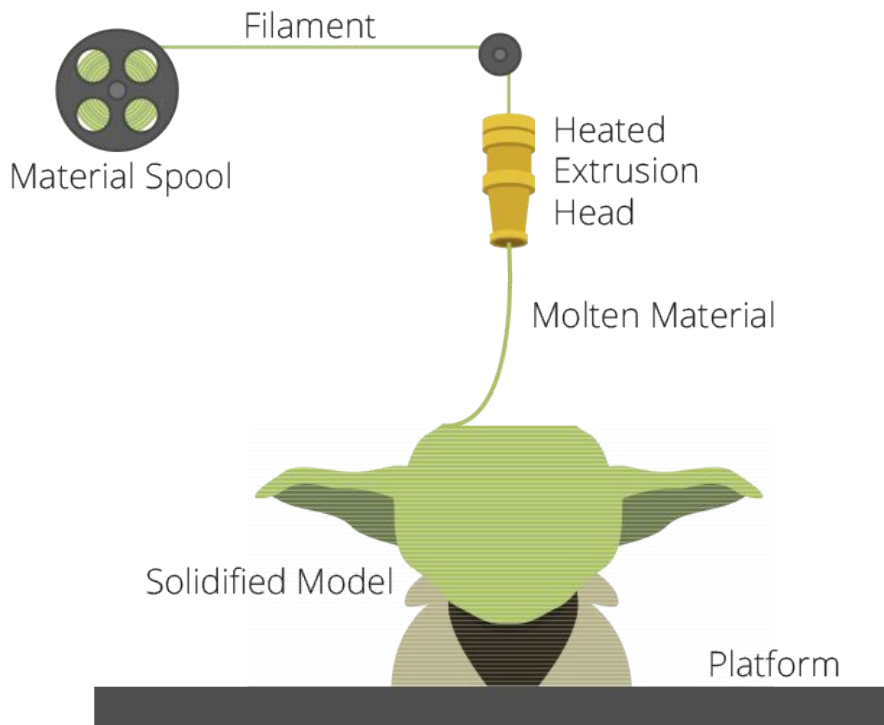
Jewelry Resins

Ceramic Resin

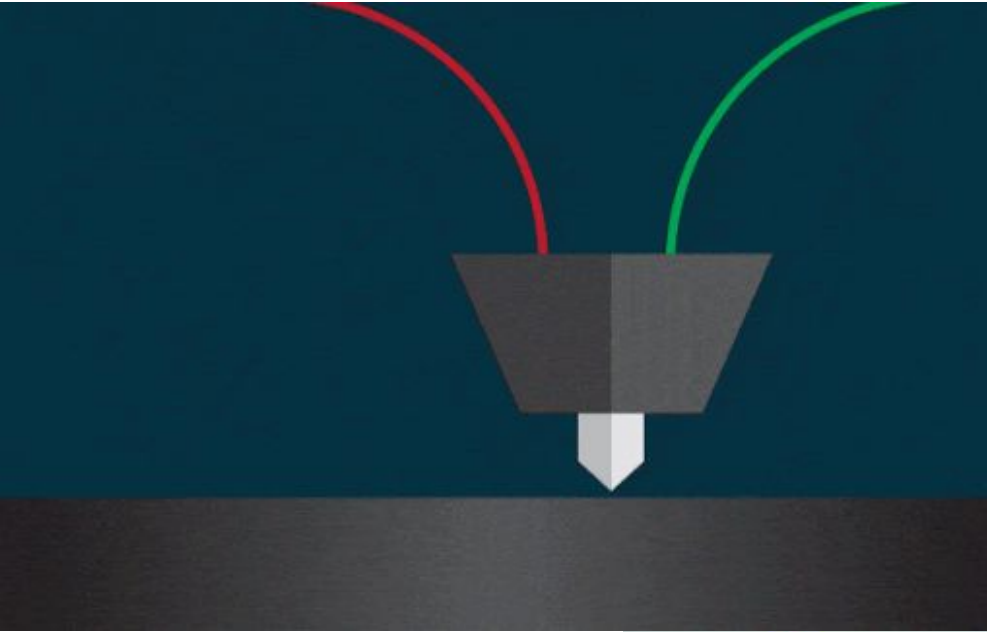
Dental Resins



Fused Deposition Modeling (FDM)



Fused Deposition Modeling (FDM)



เส้นพลาสติกที่ใช้กับระบบ FDM



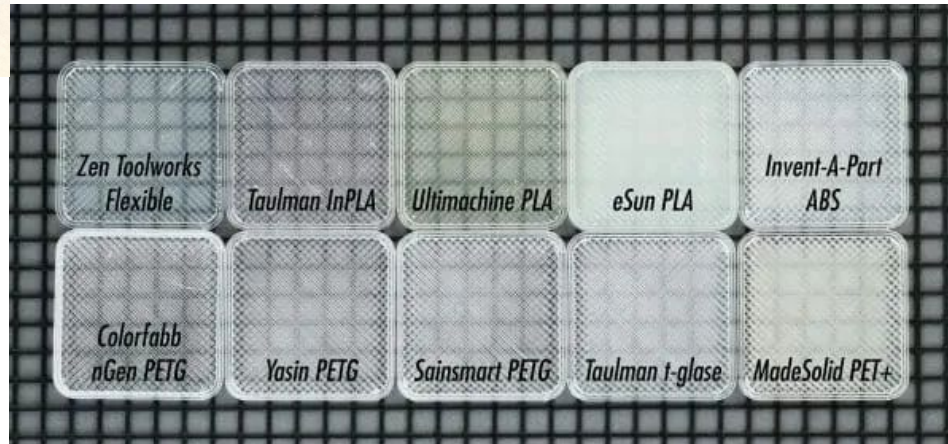
เส้นพลาสติกที่ใช้กับระบบ FDM

Filament

PLA

ABS

PETG



เส้นพลาสติกที่ใช้กับระบบ FDM

Flexible Filament

TPE
TPU



Special Filament

Wood
Carbon Fiber
Metal



เปรียบเทียบชิ้นงานของแต่ละระบบ



FDM

SLA

SLS