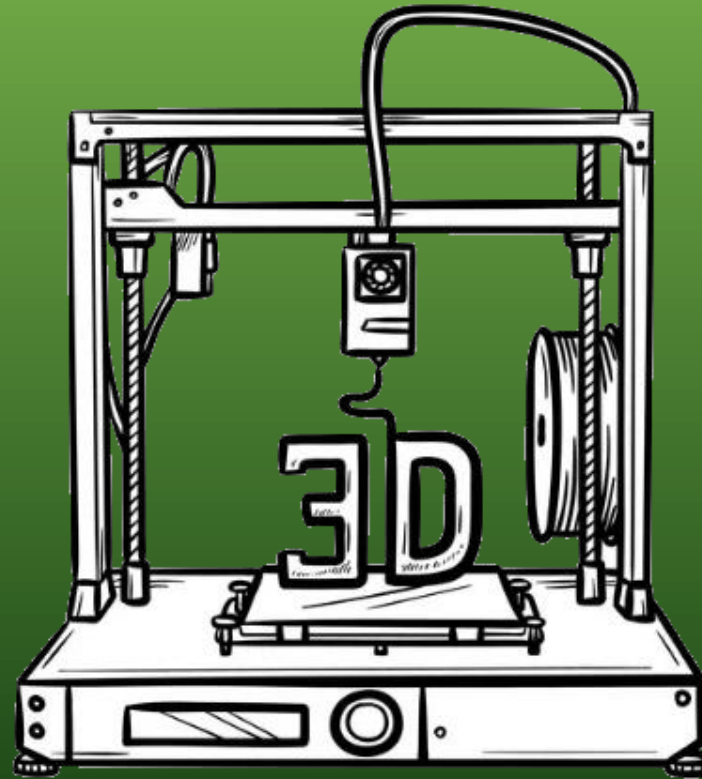
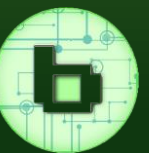


# STAMPA 3D

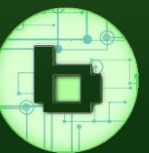


**COSIMO IERACI  
RESP. STAMPA 3D  
LINUX DAY 2022**



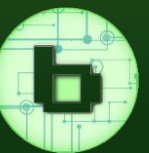
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# CHE COS'È LA STAMPA 3D



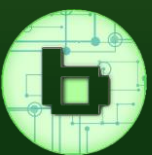
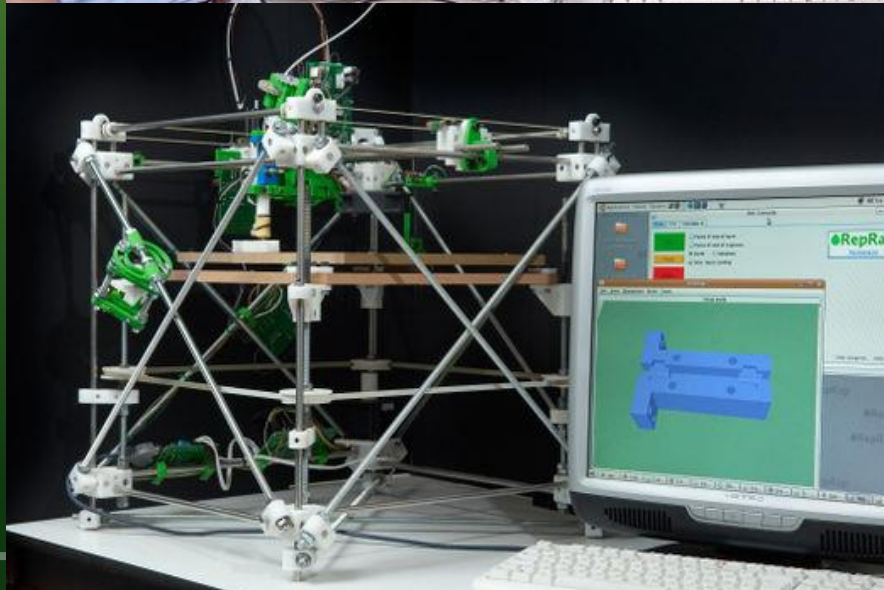
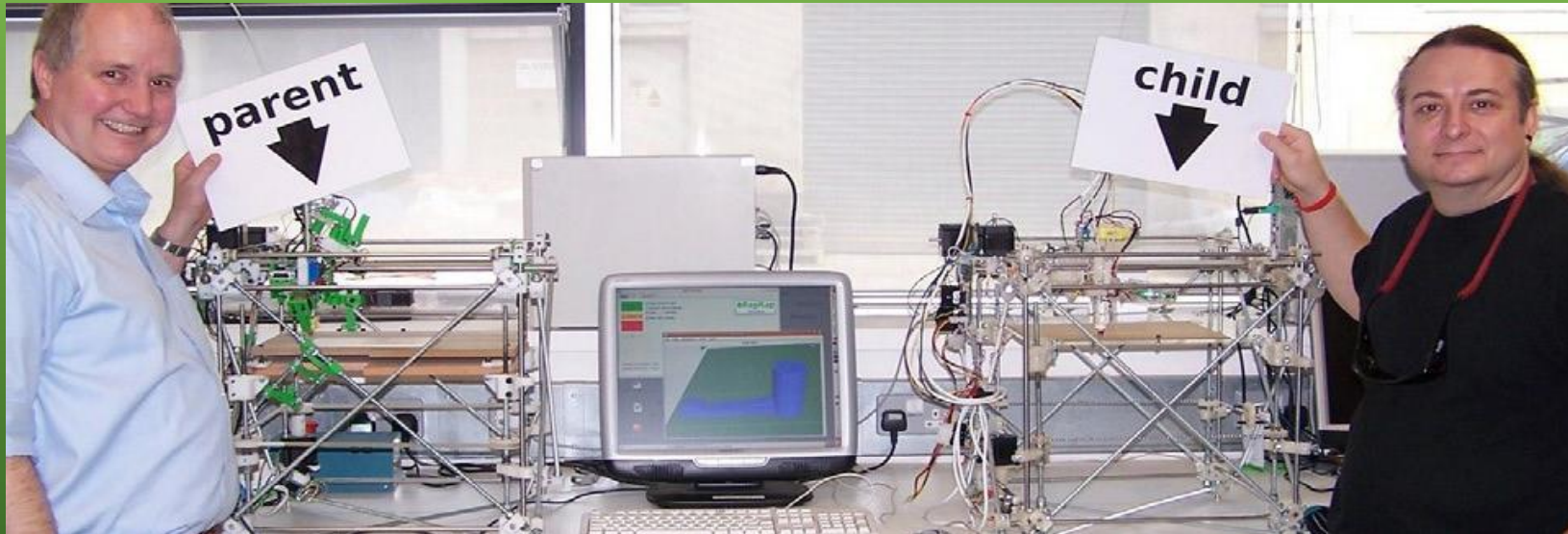
## CHE COS'È LA STAMPA 3D

- La stampa 3D è una tecnologia che sfrutta il processo di produzione additiva per creare oggetti tridimensionali partendo da un modello digitale.
- In un processo di produzione additiva strati di materiale vengono depositati uno sull'altro fino a creare un oggetto solido completo.



# CHE COS'È LA STAMPA 3D

## Storia della stampa 3D







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# CHE COS'È LA STAMPA 3D

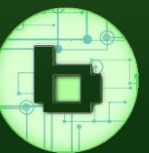
## Usi della stampa 3D

- Industria automobilistica e aeronautica
- Industria sanitaria
- Architettura
- Piccole produzioni in serie
- Modellismo
- Parti di ricambio
- Giocattoli e figure
- Cosplay



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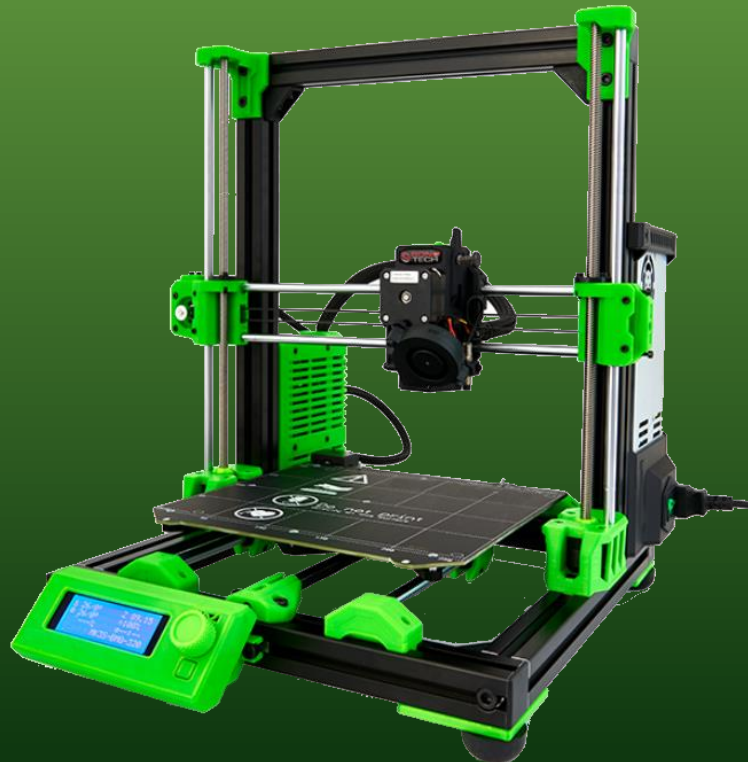
# TECNOLOGIE DI STAMPA 3D



## TECNOLOGIE DI STAMPA 3D

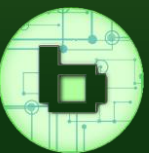
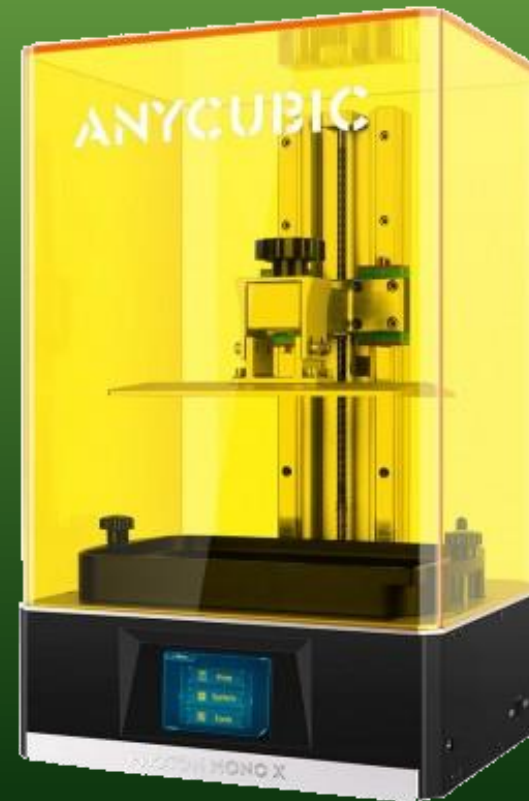
### FDM - FFF

Fused Deposition Modeling



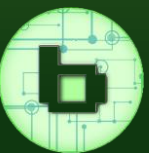
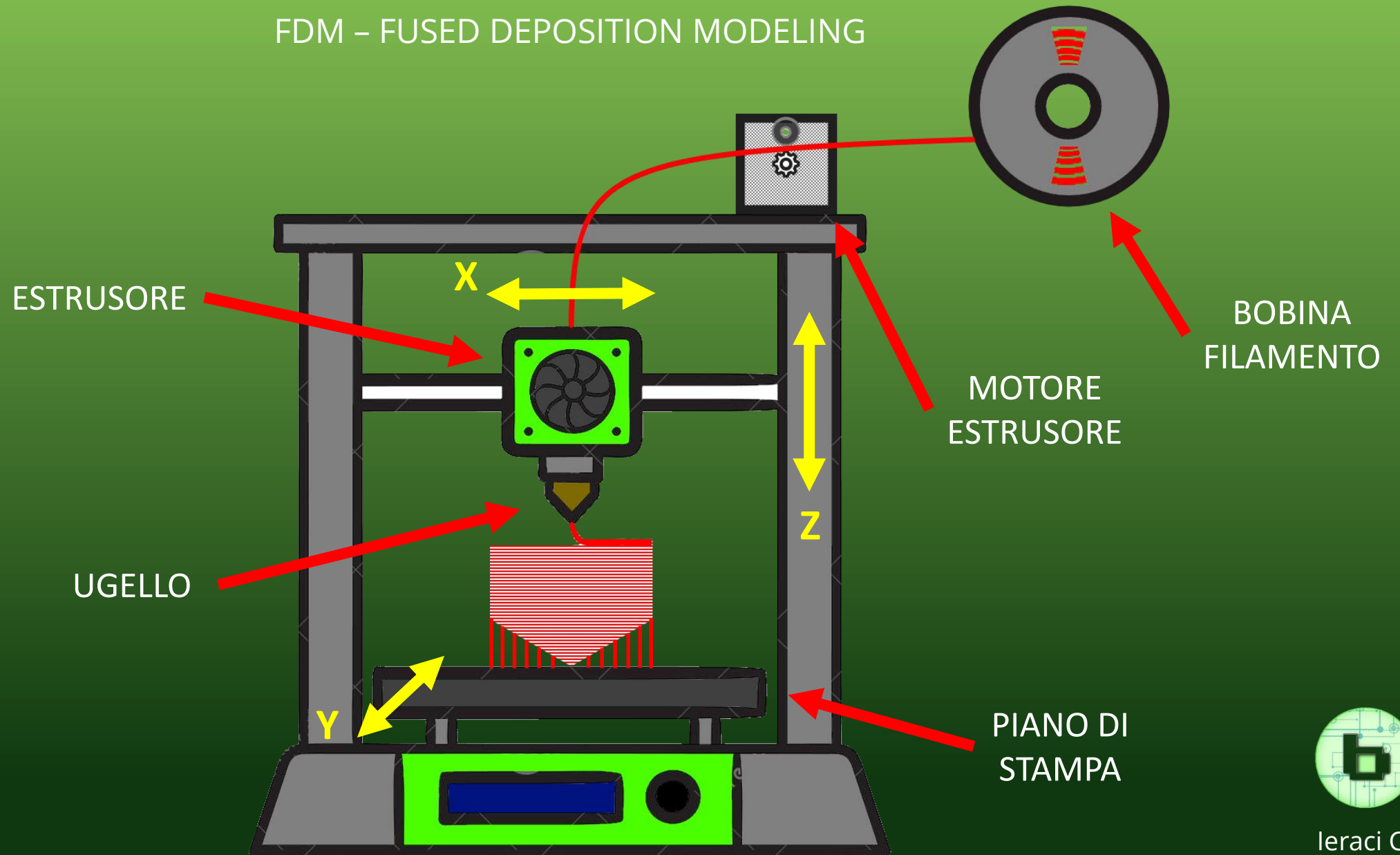
### SLA - DLP

Stereolitografia



# TECNOLOGIE DI STAMPA 3D

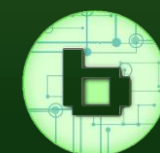
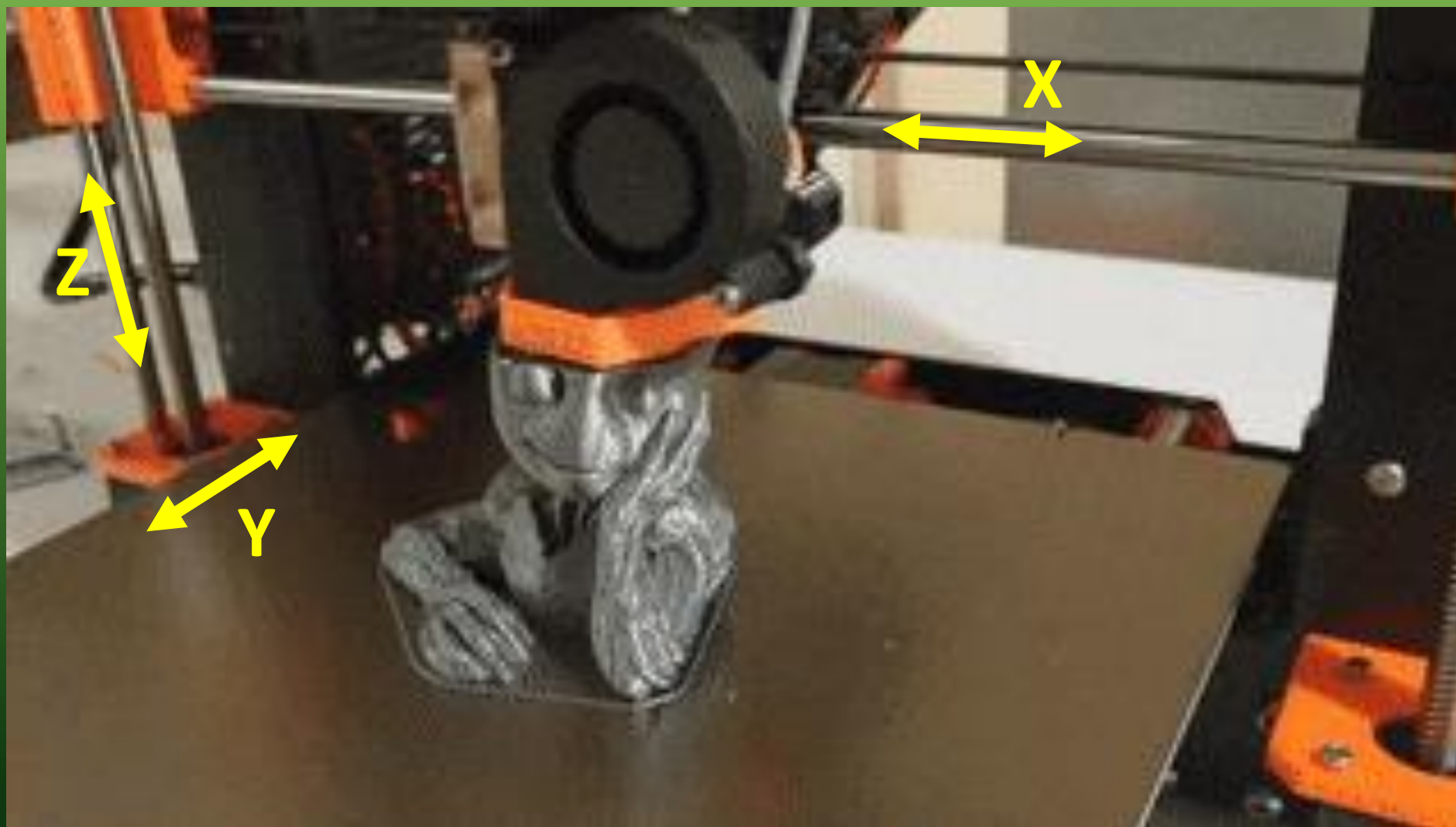
## FDM – FUSED DEPOSITION MODELING





# TECNOLOGIE DI STAMPA 3D

## FDM – FUSED DEPOSITION MODELING





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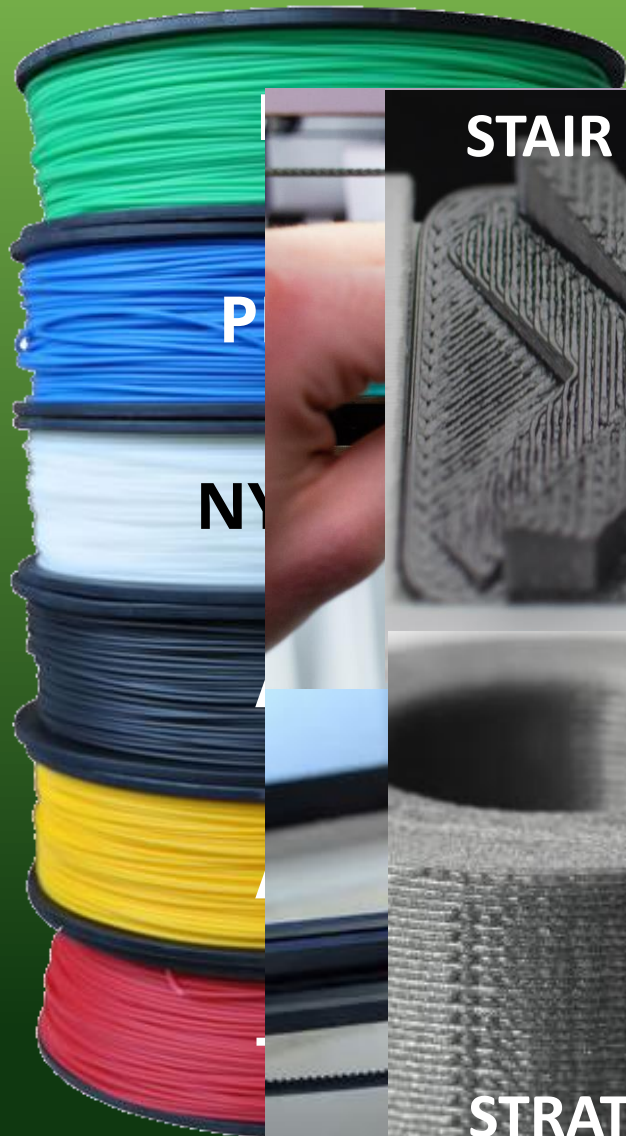
# TECNOLOGIE DI STAMPA 3D

## FDM – FUSED DEPOSITION MODELING

Macchine a disposizione



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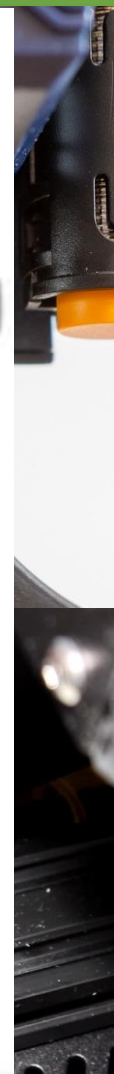
STAIR STEPPING



STRATI VISIBILI

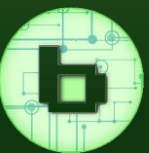
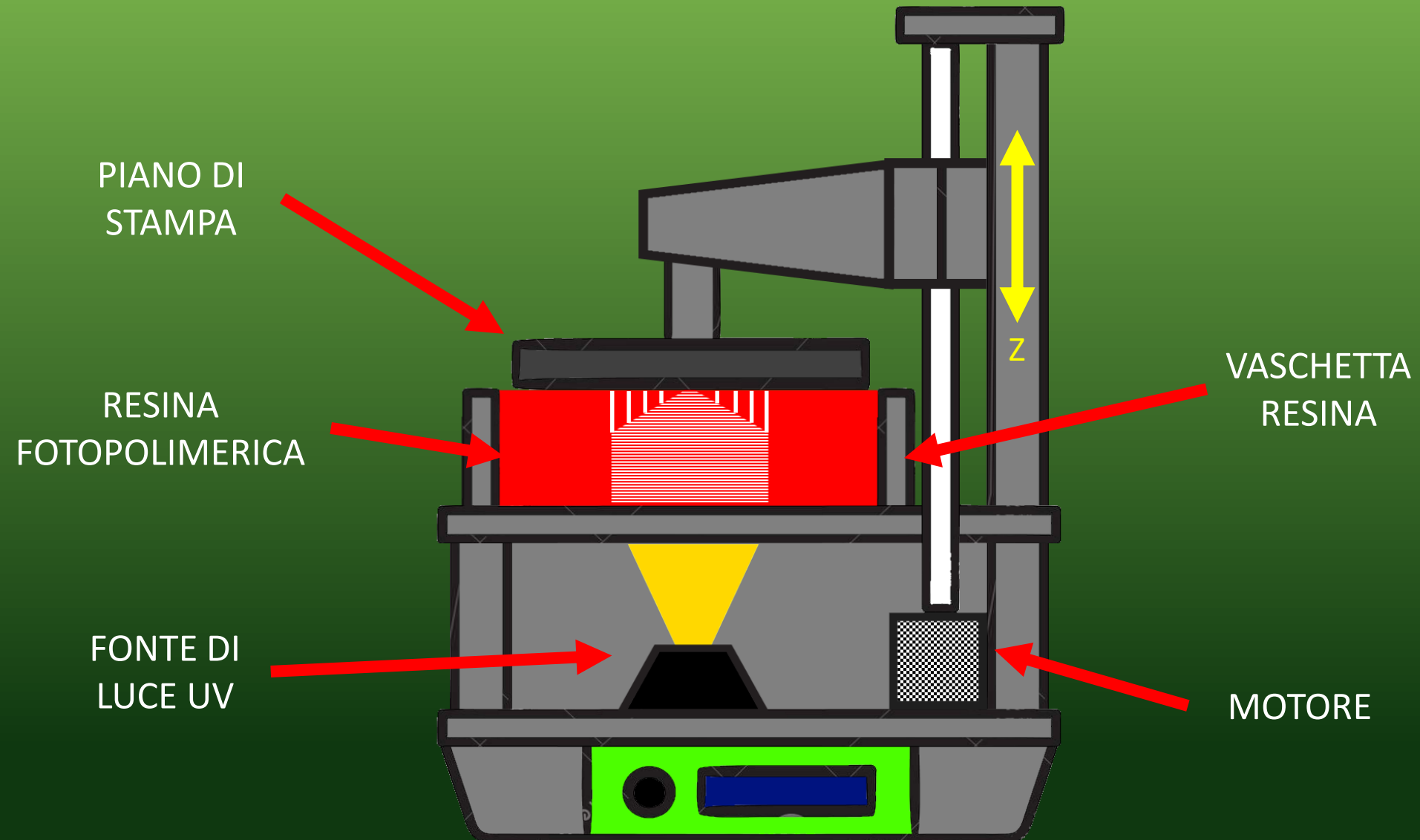


STRINGING



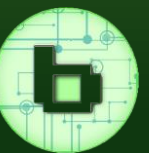
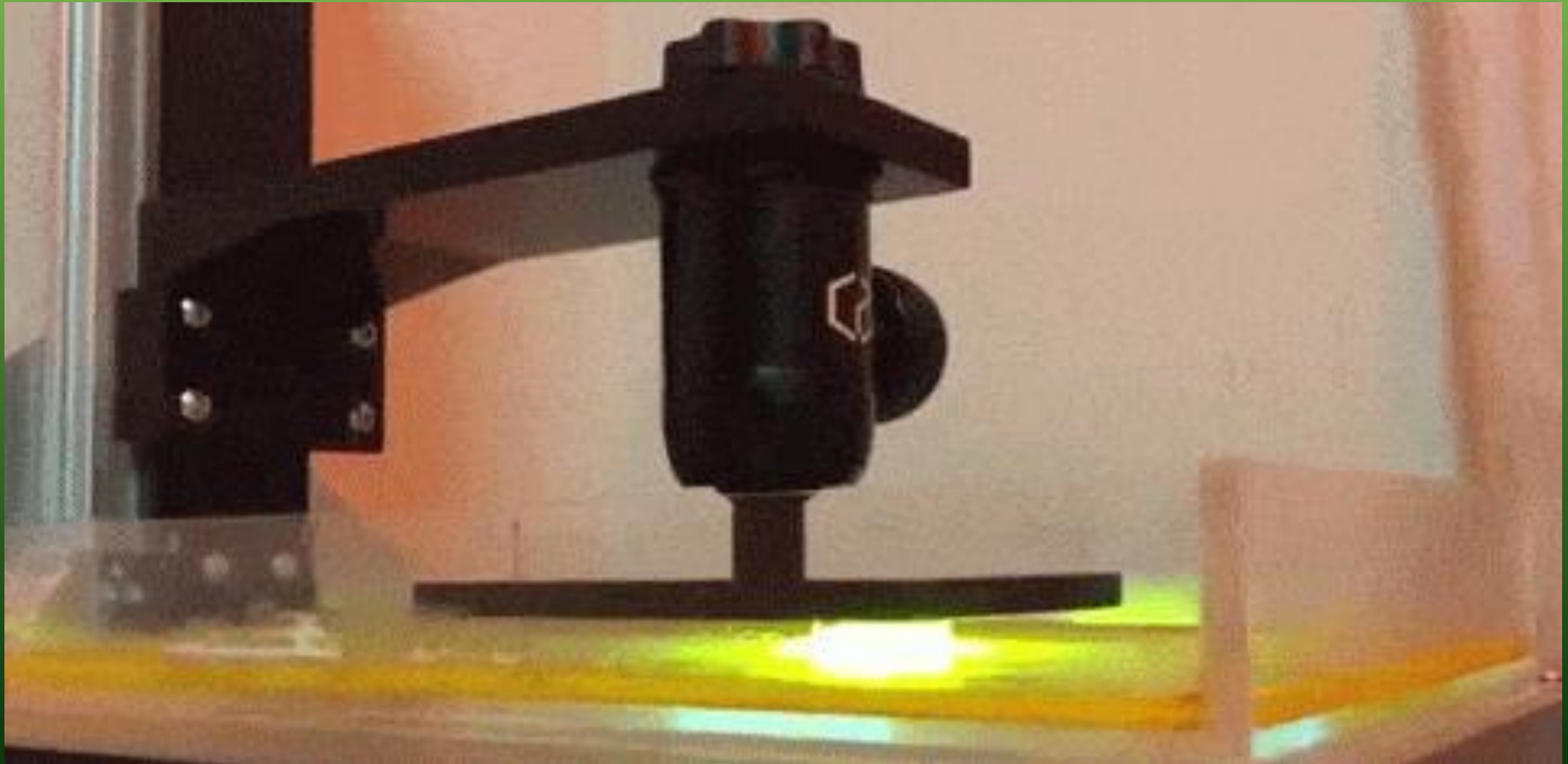
# TECNOLOGIE DI STAMPA 3D

## SLA - STEREOLITOGRAFIA





SLA - STEREOLITOGRAFIA



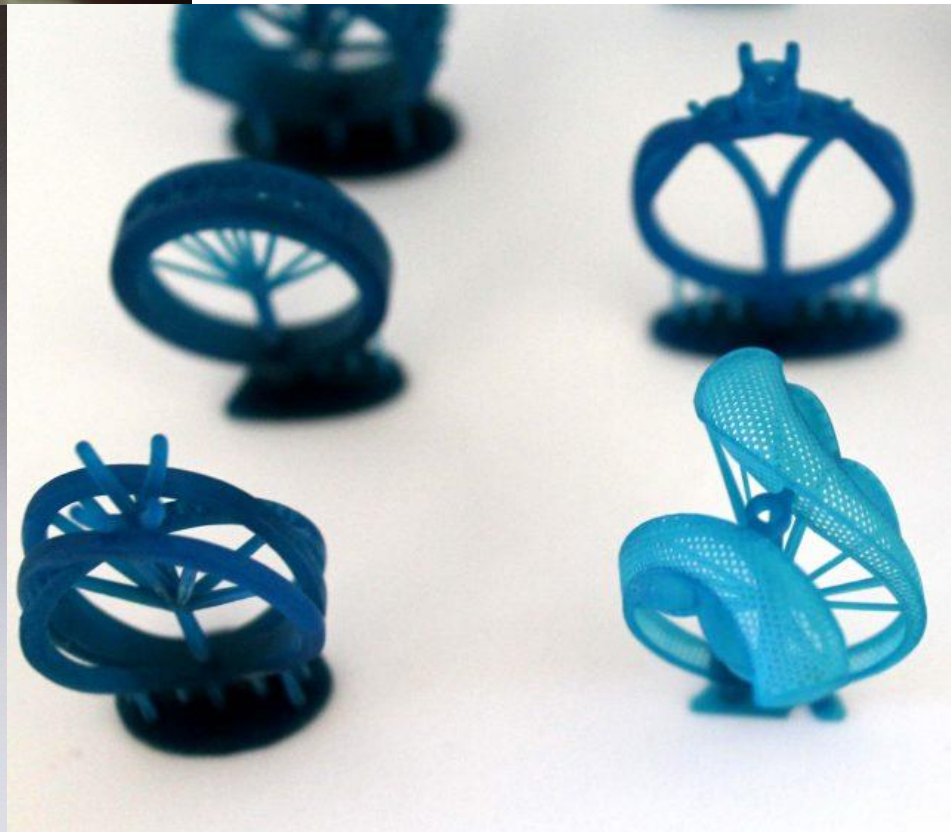
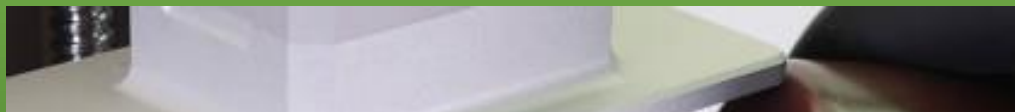


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## TECNOLOGIE DI STAMPA 3D

SLA - STEREOLITOGRAFIA

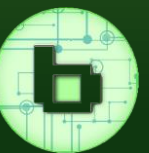
Materiali stampabili





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# PROCESSO DI STAMPA 3D





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## PROCESSO DI STAMPA 3D

Modello 3D

Slicer

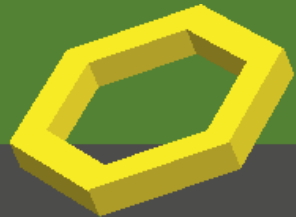
Percorso Strumento



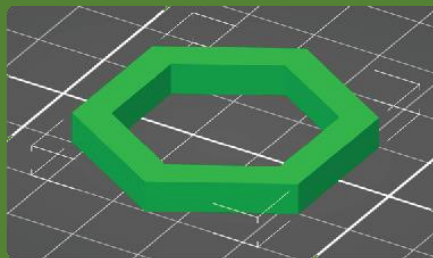
Modello su misura



Modello scaricato da internet



STL - OBJ - 3MF



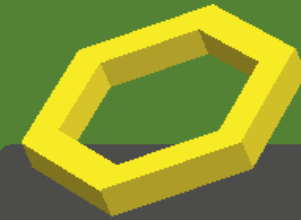
Parametri e configurazione

Tipo di filamento  
Densità riempimento  
Temperature  
Supporti  
Altezza strati  
Numero di perimetri  
...

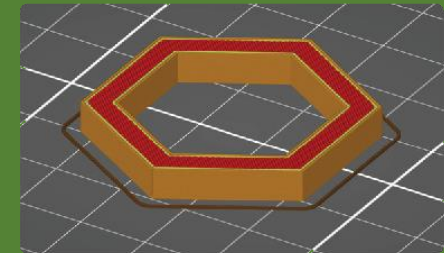


Manipolazione oggetti

Posizionamento  
Numero di copie  
Scala  
Rotazione  
...



File G-code

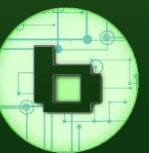


Stampante 3D



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# DIMOSTRAZIONE

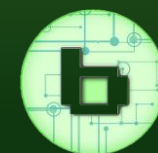




[www.associazionebit01.it/stampa3d.html](http://www.associazionebit01.it/stampa3d.html)



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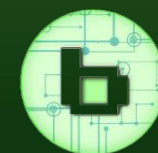


# GRAZIE PER L'ATTENZIONE

[ieraci.cosimo@associazionebit01.it](mailto:ieraci.cosimo@associazionebit01.it)



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