

Specifications of 3D printer

مواصفات الطابعة ثلاثية الابعاد

1. Working principle : Fused Deposition Modeling (FMD)
2. Printing volume: 500mm x 500mm x 500mm.
3. Layer resolution: 100 micron.
4. X-Y plane positioning resolution: not more than 15 micron.
5. Z- axis positioning resolution: not more than 3 micron.
6. Printing different materials: PLA, ABS, TBU, ..., etc.
7. Power supply: 220V and 50Hz.
8. Computer connection: USB and Wi-Fi.
9. Software : easy to use and compatible with Windows 7 or greater and CAD software's such as AutoCAD ,Pro Engineer (Creo), Ansys Space claim ,Solid work ,Fusion 360.
10. The printer software must have the following features:
 - a) Pause and restart.
 - b) Mass reduction optimization (up to 50%).
 - c) Add supports to the model.
11. The machine must include all safety features.
12. All the tools required for operating the machine and finishing the pieces must be included.
13. Camera: the machine must include internal camera for recording processes.