BOX

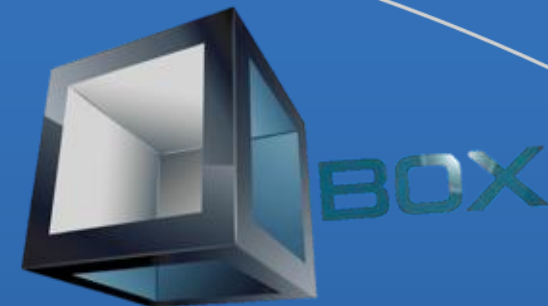**Think from inside to outside the BOX!**

BOX is a new 3D Printing double head machine developed, produced and assembled by **AMcubed**, Lda (Advanced Manufacturing Cubed).

AMcubed developed a wide range of advanced manufacturing machines based on additive and subtractive manufacturing.

Customized features could be implemented in order to fit your needs.

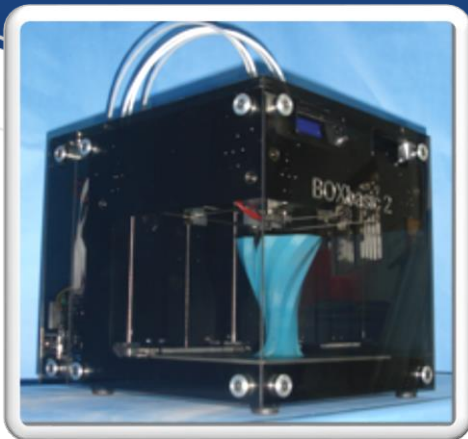The additive fabrication process is based on thermoplastic Fused Deposition.

All machines have a double head for deposition of two materials:
- ✓ two thermoplastic materials
- ✓ two colors
- ✓ Soluble support material and part material.

Extrusion head:
- ✓ Wire
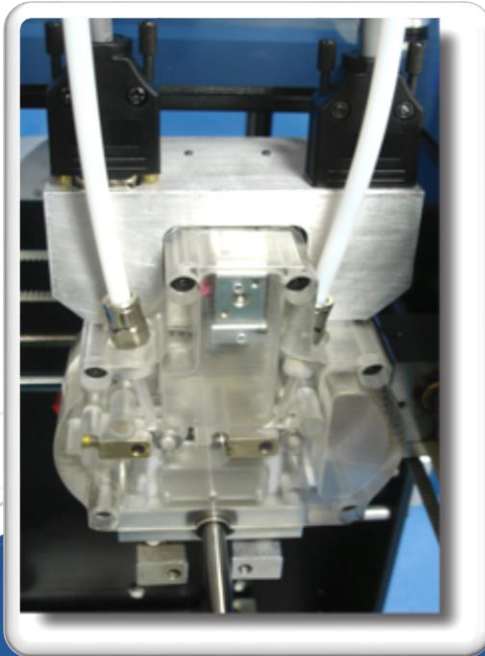- ✓ Granule
- ✓ Powder

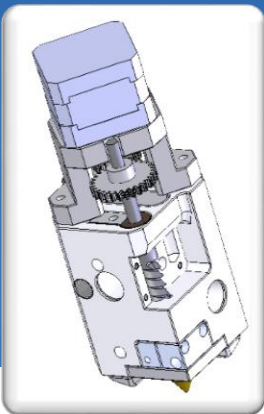## Think from inside to outside the BOX

AMCUBED

BOX versions

AMcubed could provide specific customizations to meet your needs, however the standard family of BOX machines is based on four main versions:

BOXbasic | **BOX**office | **BOX**officeXL | **BOX**officeXXL | **BOX**home

Box basic

Main features

- ✓ Build volume (X,Y,Z) :
  240x230x215 mm
- ✓ Frame size (Width x Depth x Height):
  471x566x472 mm
- ✓ Accuracy: Positioning better than < 0.05 mm
- ✓ Speed: 200 mm/s
- ✓ Materials used: Aluminum, steel, PC, Plastic
- ✓ Weight: 15 Kg
- ✓ Heated platform: YES
- ✓ Remote monitoring: optional
- ✓ Build materials: PLA, ABS, PA, PC, PVA
  Customized mixings – composites
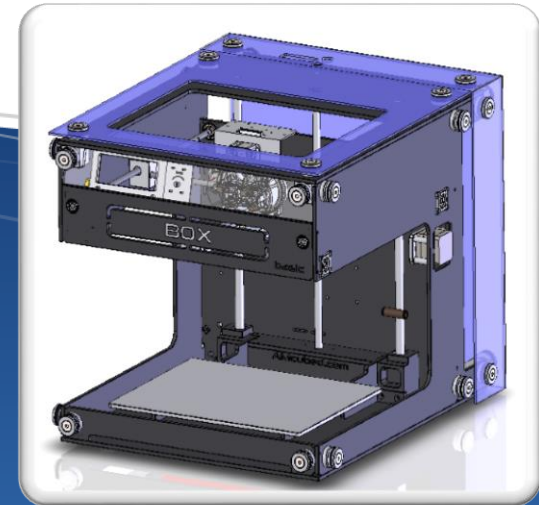- ✓ Energy consumption: 220 V/ 110 v / 200W
  Monophasic

Customization

Based on the standard versions our engineering team could provide a specific solution to process your material

Software

Friendly user printing software based on open source codes;

Or

Customized processing algorithms based on PrintBOX specific software for special needs.