# MELTIO

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**Medium-size industrial FFF 3D printer**

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## Medium-size industrial FFF 3D printer

**Large size and high definition.** Take a leap forward from traditional desktop 3D printers with Meltio F600, the entry level solution for large format industrial FFF 3D printing. From small and fast models with well refined details to large pieces, with a build envelope of 580x400x500 mm and interchangeable nozzles from 0.2 to 0.8 mm, for different quality and finishing choices.

### Dual Extrusion

Double extruder to work with two materials in a stable and reliable way. The printer is available in two versions: F600 (dual extrusion with 2 extruders up to 245ºC) and F600 PRO (2 extruders and 2 High Temp extruders up to 500ºC for more complex materials).

### Variety of materials

Guaranteed printing experience with tested printing profiles for both standard technical materials: PC, ABS, Nylon, CFR Nylon, ABS medical, ABS HI, Flex, JCR Print, PVA, PLA…

The built-in material chamber allows keeping constant temperature and humidity levels, for preserving physical and mechanical properties of the filament, for ultimately getting better printing results.

### Smart software

Meltio F600 software controls several parameters for making the most of your 3D printing experience, including detection of end of filament, under extrusion, obstruction of filament, detection of collision or bad positioning of axes during the printing and automatic calibration of extruders.

Improve your efficiency with Meltio's smart 3D printing software, which will automatically correct files and verify the printing configuration, in order to reduce time and production cost.

## Technical features

| Printing technology | FFF |
| --- | --- |
| Printing volume | 580 x 400 x 500 mm (520 x 400 x 500 mm in dual extrusion mode) |
| Minimum layer height | 0.1 mm |
| Heads | 2 |
| Weight | 160 kg |
| Dimensions | 1050 x 800 x 1430 mm |
| Nozzle diameters | Commodity and High Temp Extruders: 0.4, 0.6, 0.8 mm. High Production Extruder: 0.6, 0.8, 1, 1.2 mm |
| Filament diameter | 1.75 mm |
| Environment | Closed chamber with temperature and humidity control |

| X/Y Precision | 15 microns | |
| --- | --- | --- |
| Z Precision | 15 microns | |
| | **F600** | **F600 Pro** |
| Extrusion system | Dual extruder with 2 commodity extruders (up to 230ºC) | Dual extruder with 2 commodity extruders (up to 245ºC) and two high temp extruders (up to 500ºC) |
| Max. extruder temperature | 230ºC | 500ºC |
| Max. plate temperature | 55ºC | 130ºC |
| Max. cabin temperature | 45ºC | 70ºC |
| Build materials | PLA, PLA3D850, FLEX-TPU | PLA, PLA3D850, FLEX-TPU, ABS, ABS FP, ABS Medical, PC, Nylon, CFR Nylon |
| Support materials | PVA | PVA |