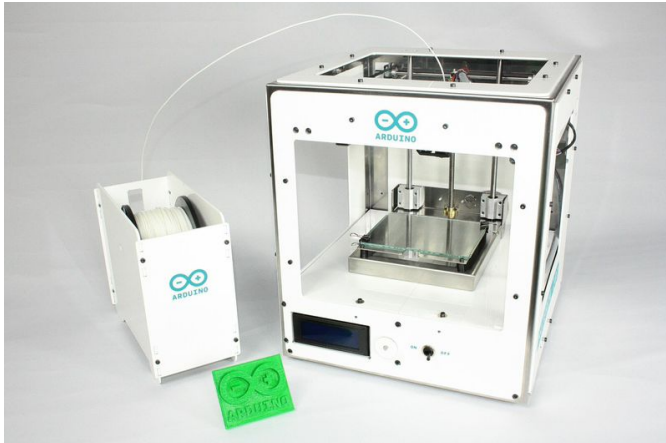# Arduino Takes on 3D Printers

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02 October 2014

Arduino is the next company to take on consumer 3D printing with the Materia 101, a collaboration with Sharebot designed for use by beginners, makers and educators.

It features a 140 x 100 x 100mm print bed, allowing for the printing of items around the size of a large tea mug. Printing comes through Fused Filament Fabrication (FFF) via PLA filament, although Arduino says Crystal Flex, PLA Thermosense, TPU, PET, PLA Sand and PLA Flex filaments are also usable, if unsupported.

The one factor making the Materia 101 different from similar consumer 3D printers is the Arduino Mega 2560 board at is heart-- being open source, users with the required know-how can modify it and its software software to their hearts' desire.

The Materia 101 makes a first appearance at the Maker Faire Rome before it hits the market in kit and pre-assembled form later this year.

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