

LUTUM®4

clay printer

2020

The **LUTUM®** clay printer, the most versitail clay manipulation tool for **ceramists, researchers** and **educators**. It is built for general usage and has an easy access interior for custom adjustments.

This printer is the current standard for 3D clay production and is well tested by the industry. It is the perfect machine for intermediate use and general production in a potters studio setting.

The printer is safe to use in a school environment as the mechanical movements are not powerfull enough to inflict injury. There is also no heat production and the cartridges are made of durable Aluminium containing strong PET clay cartridges.



LUTUM® SPECIFICS

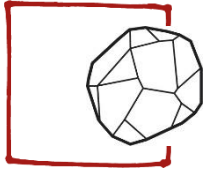
- HIGH PRECISION STAINLESS STEEL AUGER SCREW & EXTRUDER
- ROBUST METAL & P.E.T. CARTRIDGE CLAY DELIVERY SYSTEM
- PRE-INSTALLED SECOND AIR VALVE FOR OPTIONAL SECOND EXTRUDER
- ROBUST MECHANICS WITH ALL MOVING PARTS PROTECTED AND INCLUDING AN EMERGENCY STOP BUTTON, AIR SAFETY AND CUT-OUT VALVE
- ALL METAL PARTS ARE CUSTOM CNC MILLED, FULLY ANNOXIDIZED AND POWDER COATED FOR EASY CLEANING
- RUNS ON A 24v SYSTEM AND HAS A CONVENIENT EXTERNAL CONTROL BOX FOR MANUAL INTERVENTION
- CAN PRINT A VARIETY OF GROGGED CLAYS UP TO 25% 0.2MM
- HAS A BUILD ENVELOPE SIZE 43X45X50 - XYZ
- FAST PRINTING USING ADJUSTABLE ACCELERATION

TECHNICAL SPECIFICATIONS

current version 4.5

Technology:	LDM	Extruders:	18/10 Stainless Steel Extruder
Printing volume:	430x450x500mm LWH	Standard:	nozzle diameter 3mm
Nozzle diameter:	1.2mm standard	In package:	0.6mm, 1.2mm, 1.6mm, 5mm, 7mm
Layer resolution:	min 0.5mm - max 3mm	Operating systems:	Arduino
Max speed:	150mm / s with accelerated velocity printing.	Slicing:	SLic3r (recommended) - Simplify 3d - Cura
Materials:	earthenware, stoneware, refractory, clays etc.	File type:	.gcode
Tolerance:	print bed deviation 1 mm over max distance	Interface:	SD card - LCD screen - USB
First layer:	0.3mm / 100mm	Physical dimensions:	75x75x105 cm
Subsequent layers:	0.1mm / 400mm	Printer weight:	85kg
Extrusion output:	depending on clay, needs manual intervention	Air compressor:	Not included





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INC

- standard nozzle pack
- control box + SD card
- cartridge set S (700cc)
- cartridge set L (1400cc)
- 1 year / 1000h limited warranty
- metal cartridge sleeve size S
- 2 extra PET sleeve sets size S
- spare seals for Auger and Motor
- USB cable, power cable
- plaster printbed
- all necessary tools
- instruction manual

