

LUTUM®4M

2021

clay printer

The LUTUM® 4M clay printer, the most affordable LUTUM® clay manipulation tool for **ceramists, researchers** and **educators**. It is built for general usage and has an easy access interior for custom adjustments.

The LUTUM® 3D clay printer brand is the current standard for 3D clay production and is well tested by the industry. This economical variant is the perfect machine for intermediate use and general production in a small potters studio setting.

The printer is also 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 from durable Aluminium alloy containing strong PolyCarbinate clay sleeves.

NOTE:

This machine is available for PRE-ORDER from February 2021. Delivery will start in June according to order sequence. Only 50 units will be built in 2021.



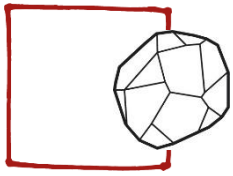
LUTUM® 4M SPECIFICS

- HIGH PRECISION STAINLESS STEEL AUGER SCREW INSIDE A DURABLE NYLON EXTRUDER
- ROBUST METAL & POLYCARBONATE CARTRIDGE CLAY DELIVERY SYSTEM
- MANUAL AIR REGULATOR TO SET PRESSURE
- 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
- THE SUPPLY VOLTAGE RANGE IS 115V TO 230V AND RUNS INTERNALLY ON A 350w 24V DOUBLE FUSED SYSTEM
- THE LUTUM® CAN PRINT A VARIETY OF GROGGED CLAYS UP TO 25% AT 0.2MM
- HAS A BUILD ENVELOPE SIZE 25X25X40 - XYZ
- FAST PRINTING USING ON THE FLY ADJUSTABLE EXTRUSION, PRINTSPEED AND ACCELERATION

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS		current version	v4M
Technology:	LDM	Extruders:	18/10 Stainless Steel Screw and Nylon barrel
Printing volume:	250x250x400mm LWH	Standard:	nozzle diameter 3mm
Nozzle diameter:	3mm standard	In package:	1.4mm, 3mm, 5mm
Layer resolution:	min 0.5mm - max 3mm	Operating systems:	Arduino
Max speed:	150mm / s with accelerated velocity printing.	Slicing:	Prusa SLicer (recommended)
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:	58x51x87 cm
Subsequent layers:	0.1mm / 250mm	Printer weight:	60kg
Extrusion output:	depending on clay, needs manual intervention	Air compressor:	Not included





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INCLUDED WITH THE LUTUM® 4M 3D CLAY PRINTER

- eco extruder
- metal cartridge sleeve size S
- 1 extra PET sleeve sets size S
- 1 year warranty minimum
- spare seals for Auger and Motor
- all necessary tools
- power cable
- plaster printbed
- SD card with instruction manual

