LUTUM®5M 2021

clay printer

The **LUTUM® 5M** clay printer, the smal LUTUM® 5 clay manipulation tool for **ceramists, researchers** and **educators**. It is built for high end usage and has an easy access interior for custom adjustments and runs on 32bit electronics with wifi connection.

The LUTUM® 3D clay printer brand is the current standard for 3D clay production and is well tested by the industry. This smaller variant is the perfect machine for Laboratory use or demanding 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 aloy containing strong PolyCarbinate clay sleeves.

NOTE:

This machine is available for delivery from August 2021. Initially only 10 units will be built in 2021.
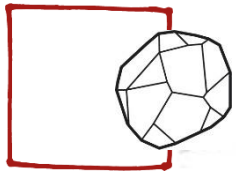
LUTUM® 5M SPECIFICS

- HIGH PRECISION STAINLESS STEEL AUGER SCREW INSIDE OUR DURABLE v10 STAINLESS STEEL EXTRUDER

- ROBUST METAL & POLYCARBONATE CARTRIDGE CLAY DELIVERY SYSTEM

- MANUAL AIR REGULATOR TO SET GENERAL PRINTING 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 ANNODIZED 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 TROUGH THE INTEGRATED TOUCH SCREEN

TECHNICAL SPECIFICATIONS

current version **v4M**

Technology:	LDM	Extruders:	18/10 Stainless Steel v10 extruder
Printing volume:	250x250x400mm LWH	Standard:	nozzle diameter 3mm
Nozzle diameter:	3mm standard	In package:	1.4mm, 3mm, 5mm
Layer resolution:	min 0.5mm - max 5mm	Operating systems:	32 Bit, RepRap, 32GB memory
Max speed:	150mm / s with accelerated velocity printing.	Slicing:	Prusa SLicer (recommended)
Materials:	earthenware, stoneware, refractory clays etc.	File type:	.gcode
Tolerance:	0.1mm deviation compensation sensor	Interface:	wifi - 4" touchscreen - USB
First layer:	0.1mm / 250mm	Physical dimensions:	58x51x87 cm
Subsequent layers:	0.1mm / 250mm	Printer weight:	60kg
Extrusion output:	depending on clay, needs manual intervention	Air compressor:	Not included

2021

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INCLUDED WITH THE LUTUM® 4M 3D CLAY PRINTER

→ v10 extruder

→ 2 metal cartridge Set size S + 5 clay sleeces

→ 1 metal cartridge Set size L + 5 clay sleeves

→ 1 year warranty minimum

→ spare seals for Auger and Motor

→ full tool and nozzle set

→ power cable

→ 2x plaster printbed

→ SD card with instruction manual