LUTUM® PRO   2020

clay printer

A **Professional version of the LUTUM®** is now available. It is equipped with a Stainless Steel worktop, an easy access interior for custom adjustments, heavy duty drivers and motor for the lateral Y-axis movement and upgraded Firmware.

This printer is intended for a professional or laboratory environment. There are more adjustable system options and a Stainless Steel worktop provides a durabe surface for extended use.

In DUAL mode it has a built in option to have both extruders run at the same time providing higher clay output or combining different materials in one extrusion.
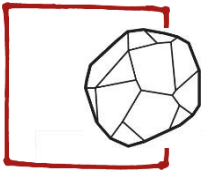
LUTUM® PRO SPECIFICS

- 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 ANNODIZED AND POWDER COATED FOR EASY CLEANING

- RUNS ON AN 8BIT, 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 AND FULL STAINLESS STEEL WORK AREA

- FASTER PRINTING USING ADJUSTABLE ACCELERATION WITH HEAVY DUTY Y-AXIS DRIVER AND MOTOR

TECHNICAL SPECIFICATIONS   current version   4.5

Technology:	LDM, 8 bit electronics, 24v	Extruders:	18/10 Stainless Steel Extruder
Printing volume:	430x450x500mm LWH	Standard:	nozzle diameter 3mm
Nozzle diameter:	variable	In package:	0.6mm, 1.2mm, 1.6mm, 5mm, 7mm
Layer resolution:	min 0.5mm - max 4mm	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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2020

→ standard nozzle pack

→ control box + SD card

→ cartridge set S (700cc)

→ cartridge set L (1400cc)

→ 1 year / 1000h limited warrenty

→ metal cartridge sleeve S

→ 2 extra PET sleeve sets S

→ spare seals for Auger and Motor

→ USB cable, power cable

→ plaster printbed

→ all necessary tools

→ instruction manual