

LUTUM® 5

clay printer

2020

An **Industrial version of the LUTUM® 5** 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 Z-axis and Y-axis movement, all axis have high precision HIWIN rails and the machine is equipped with a **32 bit electronics** board with **wifi access** and a **7" touch screen**.

All options of the standard PRO are incorporated. This printer is intended for Laboratory or higher precision clay production.

It also suits a more demanding printing environment where many printers are used for mass production of ceramics.



LUTUM® 4 SPECIFICS

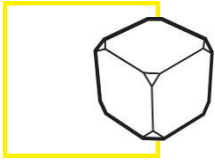
- HIGH PRECISION STAINLESS STEEL AUGER SCREW & EXTRUDER
- ROBUST METAL & P.E.T. CARTRIDGE CLAY DELIVERY SYSTEM
- PREINSTALLED SECOND AIR VALVE FOR OPTIONAL SECOND EXTRUDER
- ROBUST MECHANICS WITH ALL MOVING PARTS PROTECTED AND INCLUDING AN EMERGENCY STOP BUTTON, AIR SAFETY AND CUT-OUT VALVE
- ALL METAL PARTS ARE CUSTOM CNC MILLED, FULLY ANNOXIDIZED AND POWDER COATED FOR EASY CLEANING
- RUNS ON A 32BIT, 24v SYSTEM AND HAS A CONVENIENT 7" EXTERNAL TOUCH SCREEN 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 AND EXTRUSION WITH HEAVY DUTY Y-AXIS & Z-AXIS DRIVERS AND MOTORS
- E94GHIWIN LINEAR GUIDES AND 9MM BELTS ON ALL AXIS, BRONZE PULLEYS FOR X BELT.

TECHNICAL SPECIFICATIONS

current version 5.0

Technology:	LDM, 32 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 system:	DUET wifi v2
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:	Wifi, 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





LUTUM® 15

clay printer

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INCLUDED WITH THE LUTUM® 5 3D CLAY PRINTER

- standard nozzle pack
- 7" touch screen + wifi access
- 2 metal cartridge sets S (700cc)
- 1 metal cartridge set L (1400cc)
- 1 year / 1000h limited warranty
- 5 extra PET sleeve sets size L
- 5 extra PET sleeve sets size S
- 3 sets of spare seals for Auger and Motor (9pcs total)
- USB cable, power cable
- plaster printbed
- all necessary tools
- instruction manual

