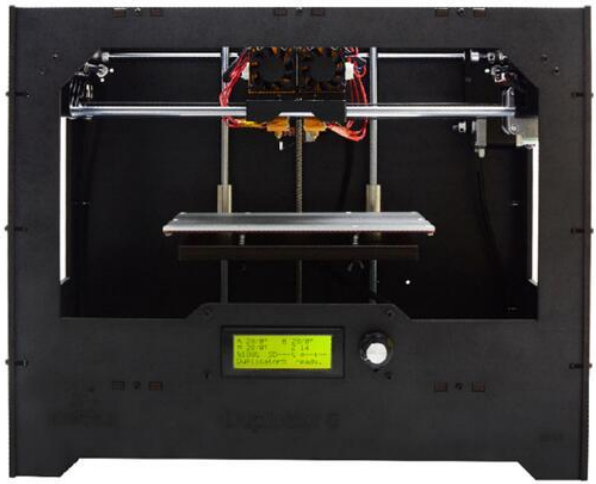
Geeetech Duplicator 5

DIY 3D Printer



Copyright Declaration

Technical Support

If you are interested in the technology of 3 D printing, flight control and U-home, welcome to Geeetech, we have series of made-up products, main boards, modules and a variety of peripherals for you. Or if you are looking for relevant information or technical support, please log in our Forum where you can find anything you want about open source. To know more about our new products, please visit www.geeetech.com, we will serve you wholeheartedly.

SAFETY INSTRUCTIONS

Building the printer will require a certain amount of physical dexterity, common sense and a thorough understanding of what you are doing. We have provided detailed instructions to help you assemble it easily, please download at geeetech.com.

However, ultimately we cannot be responsible for your health and safety whilst building or operating the printer, with that in mind be sure you are confident with what you are doing prior to commencing with building or buying. Read the entire manual to enable you to make an informed decision.

Building and operating involves electricity, so all necessary precautions should be taken and adhered to, the printer runs on 24V supplied by a certified power supply, so you shouldn't ever have to get involved with anything over 24V but bear in mind there can still be high currents involved and even at 24V they shouldn't be taken lightly.

High temperatures are involved with 3D Printing, the Extrusion nozzle of the hot end can run about 230℃, the heated bed runs 110℃

and the molten plastic extruded will initially be at around 200℃, so special care and attention should be made when handling these parts of the printer during operation.

We wouldn’t recommend leaving your printer running unattended, or at least until you are confident to do so. We cannot be held responsible for any loss, damage, threat, hurt or other negligent result from either building or using the printer.

INTRODUCTION:

Duplicator 5 3D printer is designed and manufactured by Shenzhen Getech Co., Ltd. Its DIY design gives you unlimited joys when you are seeing a complete machine coming out of a pile of components.

Hiding behind its gentility appearance is a slew of excellent features, making it outstanding among its competing products. High printing accuracy and speed, incredibly thin layer height, stable frame, customized 3D printing software---EasyPrint 3D, easy-to-manage LCD screen and open filament system. The most attractive one is its agile dual extruders, allowing you to print in multi-colors and unleashing your unique creativity.

With an extra Wi-Fi module, you can upgrade Duplicator 5 to enjoy the convenience brought by our cloud 3D printing solution. After you configure your Duplicator 5 with Wi-Fi hotspot, the cloud 3D printing solution enables you to enjoy a plenty of free 3D models, direct control over the whole printing process and share your printing experience via App anywhere and anytime.

PACKAGE LIST:

This list includes all the parts required to assemble your Duplicator 5. After you received your package, please check if all the parts listed are included. Also make sure all the components are in good condition and not damaged during shipping. If anything is missing please contact with our customer service straight away, provide us the NO. , Name, and Qty.

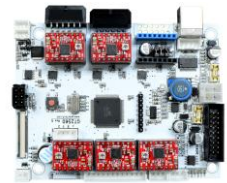
NO.	Name	Specifications	Qty.	Pic.
1	Smooth Rod	ψ 8*L308mm	2	
2	Smooth Rod	ψ 8*L423mm X axis	2	
3	Smooth Rod	ψ 8*L463mm Y axis	2	
4	Smooth Rod	ψ 10*L300mm Z-axis	2	
5	Washer	M3	58	

6	Locking ring	D8	6	
7	Locking ring	D10	2	
8	Wing nut	M3	4	
9	Hex nut	M2.5	2	
10	Square nut	M3	47	
11	Hex nut	M3	46	
12	Z-axis nut	Φ8（tin-bronze）（screwed on Z axis motor NO.52）	1	

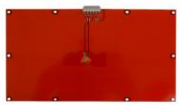
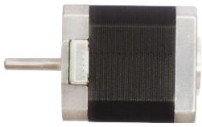
13	Screw	M2.5*12mm	2	
14	Screw	M3*6mm	4	
15	Screw	M3*8mm	4	
16	Screw	M3*12mm	8	
17	Screw	M3*16mm	67	
18	Screw	M3*20mm	20	
19	Screw	M3*25mm	2	
20	Screw	M4*10mm	6	

21	Screw	M3*8mm Countersunk screw	4	
22	Screw	M3*30mm Countersunk screw	4	
23	Belt Spring	Length 10mm	2	
24	Hotbed Spring	Length 12mm	4	
25	Linear bearing	LMK10LUU	2	
26	Linear bearing	LM8SUU	8	

27	Linear bearing	MR84ZZ	2	
28	Ball bearing	F688ZZ	4	
29	Ball bearing	F685ZZ	1	
30	Driven wheel shaft	D5-L26mm	1	
31	Pulley	diameter=5mm	3	
32	Pulley	diameter=8mm	5	
33	Belt	2.3m 2GT	1	
34	Belt loop	2GT	1	

35	Spacer	D7-D3-H3	4	
36	Spacer	D7-D3-H12	2	
37	Spacer	With Aircraft type end	4	
38	Motor gasket	42*42*2mm	1	
39	Timing belt plate	Aluminium 45*5.5*1.0	1	
40	Endstop	For X/Y/Z axis	3	
41	Control board	GT2560 VB+5 A4988	1	
42	Heat sink	9*10*5mm	5	

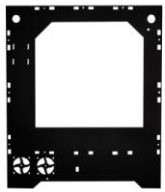
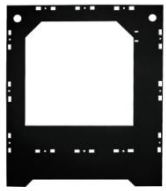
43	3M8810 sticker	25*25mm	2	
44	Power supply Unit	24V,15A	1	
45	LCD 2004	LCD2004	1	
46	knob	For LCD	1	
47	Building platform	≈228*149*3mm	1	
48	Tape	≈228*149mm	1	

49	Hotbed	≈ 228*149* 1.6mm	1	
50	Stepper motor	X axis	1	
51	Stepper motor	Y axis	1	
52	Stepper Motor	Z axis	1	
53	Fan	4010A-DC24V	2	

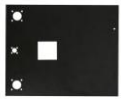
54	MK8 Dual extruder	Specially designed for Duplicator 5	1	
55	Extension board	EXTRUDER CON V1.0	2	
56	Hex copper spacer	12mm (L)	4	
57	Extension board cover	Metal plate	2	
58	Extruder wire	3.0mm, 2*6pin	2	

59	USB cable	1.5M, A-B	1	
60	Motor wire 3-1	X/Y/Z-1000/350/200	1	
61	Extruder motor wire	6-4pin, 80mm (L)	1	
62	Extruder Motor wire	6-4pin, 130mm	1	
63	Power Cable	With plug	1	 

64	Hotbed wire	600mm (L)	1	
65	Endstop wire	X/Y/Z-1000/350/200	1	
Plastic parts				
P1	Driving wheel carriage	plastic mould	1	
P2	Driven wheel carriage	plastic mould	1	
P3	Extruder carriage	plastic mould	1	
Wooden parts				

D1	Front panel	D5-01	1	
D2	Right side panel	D5-02	1	
D3	Rear panel	D5-03	1	
D4	Left side panel	D5-04	1	

D5	Upper panel	D5-05	1	
D6	Lower panel	D5-06	1	
D7	Z axis bearing fixed panel	D5-07	1	
D8	Z axis rod fixed panel	D5-08	2	
D9	Z axis rod holder	D5-09	2	

D10	Y axis rod fixed panel	D5-10	2	
D11	Holder for control board fender	D5-11	1	
D12	Control board fender	D5-12	1	
D13	Building plate holder	D5-13	2	
D14	Filament holder set	Black	1	
Free add-ons				

F1	Ejector pin	L110mm, stainless	1	
F2	File		1	
F3	Screw driver		1	
F4	Cable clips	Plastic	8	
F5	Starter filament	3 meters Random color	1	

F6	Ballpoint pen	White	1	
F7	Zip ties		15	

GENERAL CARE AND MAINTENANCE

As with all the electronic equipment, it is important to keep your printer clean to extend its life. Regularly remove dust and debris with a microfiber cloth or compressed air. Dredge the tube and the nozzle after use every time to ensure fluent performance.

- Don’t leave the heaters on the printer turned on for a long periods of time when not used.
- Don’t leave your printer in shady and moist places, which may exacerbate the problems associated with erosion.
- The three axes of the GEEETECH Duplicator 5are lubricated with grease for smooth operation and can last for a long time. Grease may need to be re-applied to your printer to maintain smooth performance.
- Avoid positioning your power supply unit in such a way that the brick is hanging, pulling, or putting any unnecessary stress in the electrical wires and components.

SUPPORT

Thanks for choosing Geeetech, we strive to provide a satisfied and pleasant shopping experience for you, but we do understand there may be some questions you may encounter in using our product. If so, you can contact us directly or post on our forum, our technique staff will help you resolve it. For more detailed information, you can also visit Geeetech wiki from our home page. (https://www.geeetech.com)

For detail building instructions, please download at:

https://www.geeetech.com/geeetech-duplicator-5-diy-dual-extruder-3d-printer-p-1016.html

For detailed building videos, please check at YouTube:

https://www.youtube.com/playlist?list=PLODCkot3GriggeiHt4KxRsgxX2igi8jQ-

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