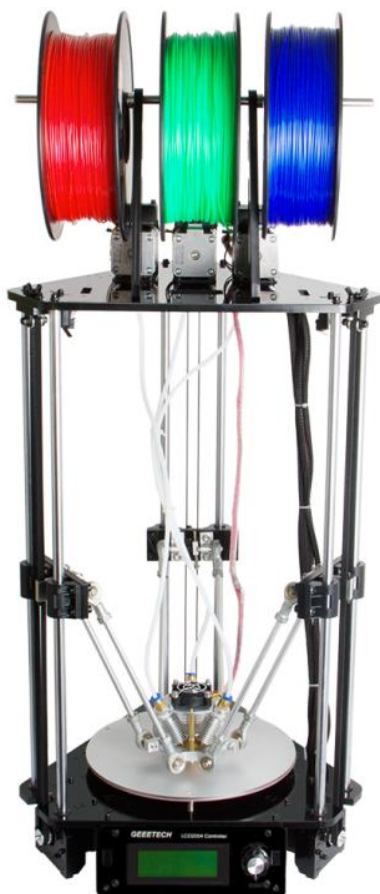


Geeetech Rostock 301 3D printer

Assembly Manual



SUPPROT

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, please visit Geeetech website.

For detailed building videos, please check at YouTube:

<https://goo.gl/adghBa>

Subscribe our YouTube channel for more videos.

<https://www.youtube.com/user/geeetech>

Join our geeetech 3D printer user club.

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Feel free to drop a line at technical@geeetech.com .

INTRODUCTION:




Geeetech Rostock 301 is an affordable desktop 3D printer for tech enthusiasts, serious hobbyists and educators. This printer provides you with excellent printability and triple-color, mix color capability, offering an intuitive 3D printing experience.

Rostock 301 is a perfect combination of the delta type construction and the 3-in-1-out mix color 3D printing hotend. Delta type construction features faster printing speed and high printing accuracy; the 3-in-1-out mix color 3D printing hotend gives a rich mixture of color combination of the printing object.






Rostock 301 maintains DIY property, with which you can unleash your creativity to refit or modify it as you like. This kit is just the beginning; you can get more out of it.

PACKAGE LIST:







This list includes all the parts required to assemble your Rostock 301 3D Printer. 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.

Mechanical parts				
No	Name	Specifications	Qty	Pic
1	Smooth Rod	$\phi 10$ L500mm (± 2 mm)	6	
2	Filament Spool	$\phi 8$ L318mm (± 2 mm)	1	
3	Rod-end bearing holder	$\phi 6.5$ 20mm	12	








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4	Diagonal Rod	With bearing rod-end	6	
5	M3 Washers	M3	125	
6	M4 Washers	M4	30	
7	M8 Washers	M8	15	
8	Nut	M2.5	8	
9	Nut	M3	15	
10	Nut	M5	25	
11	Lock nut	M4	5	

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12	Wing nut	M3	8	
13	Square nut	M3	35	
14	Hex sunk screw	M3x12 mm	5	
15	Hex sunk screw	M3x30 mm	5	
16	Round head screw with pad	M3 x 8 mm	15	
17	Screw	M2.5x16mm	8	
18	Screw	M3x5mm	15	
19	Screw	M3x8mm	20	
20	Screw	M3x12mm	40	
21	Screw	M3x16mm	40	
22	Screw	M3x20mm	10	








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23	Screw	M3x25mm	8	
24	Screw	M3x40mm	5	
25	Screw	M4x8mm	15	
26	Screw	M4x12mm	15	
27	Screw	M4x20mm	5	
28	Screw	M5x16	15	
29	Screw	M5x20	15	
30	Spring	4.0x 20(for heat bed)	5	
31	Spring	3.5*30(for endstop trigger)	5	
32	locking ring	M8 With Jimmy bolt	4	
33	Ball Bearing	MR84zz (Placed in No.34)	6	






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34	Driven wheel		3	
35	Driven wheel holder	Sheet metal part	3	
36	Pulley	20 tooth	3	
37	Linear Bearing	PCS10UU	6	
38	Timing Belts	2GT L=1200mm	3	
39	Spacer	With Aircraft type end	8	




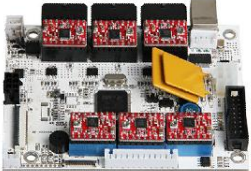

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40	Nylon ties		20	
41	bowden tubes	PTFE L=600mm	3	
42	Spiral Coil	1 meter	1	
43	Sticker		2	
44	Heat sink	9*10*5mm	6	
45	Cable Clip		1	
46	Hex copper spacer		6	





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47	End stop	Blue--1pcs, Red----1pcs Black-1pcs	1	
48	Fan	40x40x10mm	1	
49	Extensio n wire	3Pin Male-3Pin Female	1	
50	3-1 motor wire	For X/Y/Z motors	1	
51	Extruder Motor wire	6-4pin	3	





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52	Extruder wire		3	
53	Knob	For LCD control	1	
54	LCD kit	LCD2004+ FPC Ribbon cable	1	
55	Control board kit	GTM32 pro + 6 A4988	1 set	
56	Heatbed set	with Heating wire + Thermistor wire	1	







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57	Stepper motor	For X/Y/Z axis	3	
58	Extruder		3	
59	Extension board		3	
60	Hotend	3-in-1-out hotend	1	







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61	Power Supply Unit	12V/20A	1	
62	3D printer Power Cable	With plug	1	
63	Power Cable	Connect board to PSU	1	
64	USB cord	A-BA	1	
Acrylic parts				



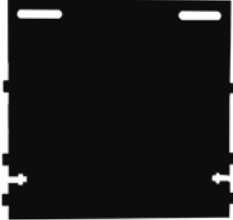


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A1	Top plate	RK-01	1	
A2	Base plate	RK-02	1	
A3	Motor holder	RK-03	3	
A4	Motor holder support	RK-04	6	
A5	Drive wheel mount	RK-05	3	
A6	Endstop mount	RK-06	3	







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A7	Fan mount	RK-07	1	
A8	LCD frame	RK-08	1	
A9	LCD support	RK-09 5mm	2	
A10	Spool holder Side panel	RK-10	1	
A11	Spool holder Side panel	RK-11	1	
A12	Carriage mount	RK-12	3	




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A13	PSU case part1		1	
A14	PSU case part2		2	
A15	PSU case part3		1	
A16	PSU case part4		1	
metal parts				
M1	Spider		1	

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M2	Belt mount		3	
M3	Endstop trigger mount		3	
M4	Diagonal Rod joint		6	
M5	Building platform	Round aluminum plate	1	
M6	Extension board cover		3	
Free add-on				
F1	Ejector pin		1	

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F2	File		1	
F3	Screw-driver		1	
F4	Starter filament	3 meters Random color	1	

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.
- Lubricated the linear bearings on the three axes with grease to avoid oxidation for smooth operation.
- 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.



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