

Partlist

Desktop Filament Extruder E1.5 by ARTME 3D

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Number	Quantity	Name deutsch	Name english	Spects	parcel
Screws					
SC01	39	Holzschraube	wood screw	2,5x12 mm	1
SC02	9	Holzschraube	wood screw	3x25 mm	1
SC03	4	Zylinderschraube	cylinder head screw	M3x6	1
SC04	16	Zylinderschraube	cylinder screw	M4x10 mm	1
SC05	2	Zylinderschraube	cylinder head screw	M5x14	1
SC06	4	Senkkopfschraube	countersunk screw	M5x15	1
SC07	1	Zylinderschraube	cylinder head screw	M5x30	1
SC08	1	Sechskantschraube	hexagon screw	M5x40 mm	1
SC09	1	Flügelmutter	wing nut	M5	1
SC10	12	Hammermutter	hammer nut	M4, Slot 8	1
SC11	17	Mutter	nut	M5	1
SC12	1	Unterlegscheibe	washer	M3	1
SC13	4	Unterlegscheibe	washer	M4	1
SC14	2	Unterlegscheibe	washer	M5	1
SC15	1	Madenschraube	grub screw	M4x10 mm	1
SC16	1	Madenschraube	grub screw	M5x10 mm	1
SC17	1	Holzschraube	wood screw	4x60 mm	1
SC18	2	Holzschraube	wood screw	5x60 mm	1
SC19	2	Flügelschraube	wing screw	M6x35	1
Spare Parts					
SP01	1	Abdeckkappe	cap	30x30 mm	2
SP02	1	Abdeckkappe	cap	60X30 mm	2
SP03	1	Passfeder	parallel key	4x4x20 mm	2
SP04	4	Gewindestange	threaded rod	M5x117 mm	2
SP05	1	Rundstab	rod	8x95mm Aluminium	2
SP06	1	Verbinder für Profil	connector for profile	90°	2
SP07	4	Filzgleiter	felt pads	22 x 5 mm	2
SP08.1	1	PTFE Schlauch 1,75mm	ptfe tubing 1,75mm	4x2x230 mm	2

SP08.2	1	PTFE Schlauch 2,85 mm	ptfe tubing 2,85mm	6x4x300 mm	2
SP09	1	Draht für Sensor Arm	wire	0,6 x 110mm, V2A	2
SP10	1	Kugellager	ball bearing	12x4x4 C3	2
SP11	12	Kabelbinder	cable tie	95mm	2
SP12	2	Montagewinkel	mounting bracket	for Nema 23 with M6 thread	2
SP13	1	Axiallager	thrust bearing	47x30x11mm	2
SP14	1	Montagewinkel	mounting bracket	for Nema 17	2
SP15	1	Nagel	nail	4,6x130mm	2
SP16	2	Schlauchselle	hose clamp	40mm diameter	2
Motors					
MO01	1	Schrittmotor	stepper motor	Nema23, 15:1	0
MO02	4	Adernendhülsen	ferrule	0,5mm²	0
MO03	1	Schrittmotor	stepper motor	Nema17, 14:1	0
MO04	4	Dupont Pressbuchse	dupont crimp socket	2.54mm 1Pin Single Row	0
MO05	1	Dupont Stecker female	crimp housing	4 pins, 2,54mm	0
MO06	1	Schrittmototreiber Extruder	stepperdriver extruder	Leadshine DMT332T	0
Custom Metal Parts					
CM01.1	1	Extruder Rohr	extruder barrel	16x2x160 (12,15h7 innen)	0
CM01.2	1	Extruder Rohr mit Rillen	extruder barrel with grooves	16x2x160 (12,15h7 innen)	
CM02.1	1	Extruderschnecke roh	extruder screw raw	12,0h9 x 215 mm	
CM02.2	1	Extruderschnecke geschliffen	extruder screw grinded	12,0h9 x 215 mm	0
CM03.1	1	Aluminium Heizelement	Aluminium heating element	6mm drilling	0
CM03.2	1	Aluminium Heizelement	Aluminium heating element	3+6mm drilling	0
Frame					
FR01	1	Bodenplatte	plate	280x300x15 mm	0
FR02	1	Aluminiumprofil	aluminium profile	30x60x500 mm	0
FR03	1	Aluminiumprofil	aluminium profile	30x30x160 mm	0
Extruder Barrel					
EB01	1	Adapterscheibe	adapter disk	55x20x3	3
EB02	1	Wellenhalter	shaft holder	SHF16 with M4 thread	3
EB03	2	Heizpatrone	heating cartridge	6x20mm 50W/12V, 53cm Kabel	3
EB04	2	Aderendhülse	ferrule	0,5mm²	3
EB05	1	Thermistor	thermistor	3x15 mm, NTC 100K	3
EB06.1	1	Düse blanco	nozzle blanco	Verschlussschraube M14x1,5 DIN 910	3
EB06.2	1	Düse 1,75mm PLA/PETG	nozzle 1,75mm PLA/PETG	1,7mm drill	3

EB06.3	1	Düse 1,75mm ABS	nozzle 1,75mm ABS	1,5mm drill	3
EB06.4	1	Düse 2,85mm PLA / ABS	nozzle 2,85mm PLA/ABS	2,5mm drill	3
EB07	1	Schmelzefilter	melt filter	16x100mm, Mesh 50 (0,3mm)	3
EB08	1	Teflonband	teflon tape	130mm	3
EB09	1	Biegehilfe Schmelzefilter	bending aid filter	stl	
EB10	1	Zeichenschablone	sign template	stl	
EB11	2	Klemme Schraubstock (Option)	clamp vice (option)	stl	
Extruder Drive					
ED01	1	Kupplung Lagerfläche	coupling bearing surface	stl	
ED02	1	Kupplung	coupling	stl	
ED03	1	Biegeschablone Gewindestange	bending template threaded rods	stl	
ED04	1	Einzugszone	feed zone	stl (in ABS od ASA if possible)	
ED05	1	Trichter Teil1	hopper part1	stl	
ED06	1	Montagehilfe	mounting tool	stl	
ED07	1	Trichter Teil 2	hopper part2	stl	
ED08	1	Trichter Teil 3	hopper part3	stl	
Winder					
WI01	1	Passschine	rail	stl	
WI02.1	1	Spulenhalter 750g	spool holder 750g	stl	
WI03.1	1	Spulenhalter Deckel 1	spool holder top 1	stl	
WI04.1	1	Spulenhalter Deckel 2	spool holder top 2	stl	
WI05.1	1	Filamentspule	filament spool	750g	0
Filament Guide					
FG01	1	Rahmenfuß links	frame socket left	stl	
FG02	1	Rahmenfuß rechts	frame socket right	stl	
FG03.1	2	Rahmenführung 750g	frameguide 750g	stl	
FG04.1	1	Schraubenrolle 750g	screw roller 750g	stl	
FG05	1	Schlitten	carriage	stl	
FG06	1	Pflug	plow	stl	
FG07.1	1	Filamentbremse Teil1 1,75mm	filament brake part1 1,75mm	stl	
FG07.2	1	Filamentbremse Teil1 2,85mm	filament brake part1 2,85mm	stl	
FG08.1	1	Hebelführung 1,75mm	lever guide 1,75mm	stl	
FG08.2	1	Hebelführung 2,85mm	lever guide 2,85mm	stl	
FG09	1	Filamentbremse Teil2	filament brake part2	stl	
FG10	1	U Scheibe	washer	stl	

FG11	1	Zahnrad	gear	stl	
FG12.1	1	Schieber 1,75mm/750g	pusher 1,75mm/750g	stl	
FG12.2	1	Schieber 2,85mm/750g	pusher 2,85mm/750g	stl	
Electronics					
EL01	1	Arduino	arduino	mega 2560 R3	4
EL02	1	Ramps Board	ramps Board	ramps 1.5	4
EL03	3	Jumper	jumper	2,54mm	4
EL04	1	Schrittmototreiber Wickler	stepperdriver winder	tmc 2208	4
EL05	1	Optischer Endschalter + Kabel	optical endstop + cable	regrap, 3 Pin	4
EL06	1	Arduino Gehäuse	arduino case	stl	
EL07	1	LCD Adapter	LCD adapter	for LCD 2004	4
EL08	2	LCD Kabel	LCD cable	300mm	4
EL09	2	Klemme	terminal block	Wago 221-415 5pol	4
EL10	1	Halterung Klemme	terminal block holder	stl	
EL11	1	Sensor Halter	sensor holder	stl	
EL12	1	Sensor Arm	sensor arm	stl	
EL13	1	Sensor blende	sensor shutter	stl	
EL14	1	Treiber Befestigung	driver mount	stl	
EL15	3	Verbindung Ramps/DMT322T	Connector Ramps/DMT322T	Dupont Jumperwire male-male	4
EL16	2	Leitung Ramps	wire ramps	1,0mm² black, 150mm	4
EL17	2	Leitung Ramps	wire ramps	1,0mm² red, 150mm	4
EL18	1	Leitung DMT322T	wire DMT322T	1,0mm² black, 260mm	4
EL19	1	Leitung DMT322T	wire DMT322T	1,0mm² red, 260mm	4
EL20	6	Adernendhülsen	ferrule	1,0mm²	4
EL21	1	Arduino Deckel	Arduino top	stl	
EL22	1	Lüfter	fan	24V= or 12V=, 50x50x15mm	4
(EL23)	1	Netzteil (Nicht im Lieferumfang)	power supply (not included)	12VDC 10A closed design	
EL24	1	Zugentlastung	strain relief	stl	
EL25	1	LCD Display Halter	LCD cover	stl	
EL26	1	LCD 2004 Display	LCD 2004 Display	Smart Display Controller	4
EL27	2	Halter Flachbandkabel	holder ribbon cable	stl	
EL28	1	Lüfterhalterung	fan holder	stl	
EL29	1	Lüfter	fan	12V=, 50x50x15mm	4
EL30	2	Aderendhülse	ferrule	0,25mm²	4
EL31	1	USB Kabel	usb cable	200mm	4

Insulation					
IN01	1	Abdeckung	cover body	stl	
IN02	1	Steinwolle	rock wool	135x230x40 mm	0
IN03	1	Deckel für Abdeckung links	cover top left	stl	
IN04	1	Deckel für Abdeckung rechts	cover top right	stl	