

ENDER ALUMNI WORKFLOW

Two Color Prints Revisited- Cura

April 2023

*** CODE PREPARATION**

*** MACHINE OPERATION**



SLICE PART, NOTE TOTAL LAYERS





PULL GCODE INTO TEXT EDITOR

1	;FLAVOR:Marlin						
2	;TIME:10472						
з	;Filament used: 6.2357m						
4	;Layer height: 0.2						
5	;MINX:84.086						
6	;MINY:100.585						
7	;MINZ:0.2						
8	:MAXX:150.914						
9	:MAXY:134.415						
10	:MAX2:16						
11	;Generated with Cura_SteamEngine main						
12	M140 S60						
13	M105						
14	M190 S60			P. de la construcción de la constru	× ×		
15	M104 S210			Print settings		×	
16	MI05						
17	M109 S210			Profile Standard Quality - 0	2mm	* ~	
18	M82 ;absolute extrusion mode			0		_	
19	; Ender 3 Custom Start G-code			Search settings		=	
20	G92 L0 ; Reset Extruder						
22	620; nome all axes			Quality		~	
23	GI 22.0 1 200 70 3 F5000 0 . Move to start province schatching of heat bea			Layer Height	C 0.2	mm	
24	GI X0.1 Y20.0 70.3 F1500.0 F15 : Draw the first line			Total Laura Halaba	2 03		
25	GI X0.4 Y200.0 Z0.3 F5000.0 :: ove to side a little		510 1 1 1 1	Initial Layer Height	C ² 0.2	mm	
26	G1 X0.4 Y20 Z0.3 F1500.0 E3 Draw the second line			Line Width	0.4	mm	
27	G92 E0 ; Reset Extruder			Wall Line Width	0.4	0000	
28	G1 Z2.0 F3000 ; Move Z little to prevent scratching of Heat Bed	- Andrew College		From Line Friday	0.4		
29	G1 X5 Y20 Z0.3 F5000,			Outer Wall Line Width	0.4	mm	
30				Inner Wall(s) Line Width	0.4	mm	
31				To a result of the second			A
32	G1 F2700 E-5			lop/Bottom Line width	0.4	mm	
33	LAYER COUNTY STADTS COUNTING	A second s		Infill Line Width	4	mm	
34	JAYER:0 STAKTS COUNTING						
35	MIO/						
37	A FROM VAL SAR LAVERS at 0				ртс		
38				ME CUIA SIA	KIS I		
39	GI F2700 E0	18 All All					
40	G1 F1156.6 X94.943 Y114 01188				/EDC		
41	G1 F1140.1 X94.525 Y114.3 02732				LIVD		•
42	G1 F1179.4 X94.174 Y114.101 04147						1
43	G1 F1200 X93.84 Y113.769 E0.0 13			at 1			
44	G1 X93.582 Y113.24 E0.07671						
45	G1 X93.52 Y112.817 E0.09093				7		
46	G1 X93.522 Y105.613 E0.33053						
47	G1 X93.602 Y105.196 E0.34465						
48	G1 X93.801 Y104.793 E0.3596						
49	G1 F1179.4 X94.138 Y104.412 E0.37682						
50	G1 F1151.1 X94.37 Y104.274 E0.38618				,		
51	G1 F1129.4 X94.60Z Y104.136 E0.39572						
52	G1 F1071.4 X94.796 Y104.049 E0.40364						
53	GI X94.575 Y104.03 E0.4119						
54	GI F1200 V07 E16 V104 015 E0 64210						
55	GI V97 516 VIIA 494 FO 60536						
57	G1 X89.877 Y114.484 F1.07392						



Locate Layer to make filament change





Locate Layer to make filament change





Marlin Reference for M600

(Marlin 🥑 M428: Home Offsets Here M430: Power Monitor M486: Cancel Objects M500: Save Settings M501: Restore Settings M502: Factory Reset M503: Report Settings M504: Validate EEPROM contents M510: Lock Machine M511: Unlock Machine M512: Set Passcode M524: Abort SD print M540: Endstops Abort SD M569: Set TMC stepping mode M575: Serial baud rate M593: Input Shaping M600: Filament Change M603: Configure Filament Change M605: Multi Nozzle Mode M665: Delta Configuration M665: SCARA Configuration M666: Set Delta endstop adjustments M666: Set dual endstop offsets M672: Duet Smart Effector sensitivity M701: Load filament M702: Unload filament M710: Controller Fan settings M808: Repeat Marker M810-M819: G-code macros M851: XYZ Probe Offset M852: Bed Skew Compensation M860-M869: I2C Position Encoders M871: Probe temperature config M876: Handle Prompt Response M900: Linear Advance Factor M906: Stepper Motor Current M907: Set Motor Current M908: Set Trimpot Pins M909: DAC Print Values M910: Commit DAC to EEPROM M911: TMC OT Pre-Warn Condition M912: Clear TMC OT Pre-Warn M913: Set Hybrid Threshold Speed M914: TMC Bump Sensitivity M915: TMC Z axis calibration MO16-1 6474 Thormal Warning Tort

M600 - Filament Change

4 1.1.0 Silament Automatically change filament ADVANCED_PAUSE_FEATURE

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Description

The M600 command initiates the filament change procedure. The basic procedure will move the print head away from the print, eject the filament, wait for new filament to be inserted and the user to confirm, load and prime the filament, and continue with the print. M600 may be initiated automatically if a filament runout sensor is installed.

Notes

About Marlin Download Configure Install Tools -

Requires ADVANCED_PAUSE_FEATURE

The settings for this command can be found in Configuration_adv.h. At this time M600 requires an LCD controller.

Usage

M600 [B<beeps>] [E<pos>] [L<pos>] [R<temp>] [T<index>] [U<pos>] [X<pos>] [Y<pos>] [Z<pos>]

Parameters	Parameters	
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[B <beeps>]</beeps>	Number of beeps to alert user of filament change (default FILAMENT_CHANGE_ALERT_BEEPS)
[E <pos>]</pos>	Retract before moving to change position (negative, default PAUSE_PARK_RETRACT_LENGTH)
[L <pos>]</pos>	Load length, longer for bowden (negative)
[R <temp>]</temp>	Resume temperature. (AUTOTEMP: the min auto-temperature.)
[T <index>]</index>	Target extruder
[U <pos>]</pos>	Amount of retraction for unload (negative)
[X <pos>]</pos>	X position for filament change
[Y <pos>]</pos>	Y position for filament change
[Z <pos>]</pos>	Z relative lift for filament change position



Once M600 is executed...waits



Marlin Reference for M600

Keep purging if needed, then resume

TWO COLOR WORKFLOW 2023 CE3E3V2_Fidget Cubept5 - Ultimaker Cura <u>File Edit View Settings Extensions</u> P<u>r</u>eferences <u>H</u>elp Ultimaker Cura PREPARE PREVIEW MONITOR Generic PLA Creality Ender-3 V 0.4mm Nozzle S Post Processing Plugin Х Post Processing Scripts Settings Add a script ÷ 2 5 Þ 0 Close

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 CE3E3V2_Fidget Cubept5 - Ultimaker Cura

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Ult	Ultimaker Cura PREPARE PREVIEW MONITOR						
		Creality Ender-3	~ ()	Generic PLA 0.4mm Nozzle		*	
				S Post Processing Plugin		×	
				ChangeAtZ 5.3.0(Experimental) ColorMix 2-1 V1.2.1 Create Thumbnail Display Filename And Layer On LCD	Settings		
0				Display Progress On LCD Filament Change			
7				Insert at layer change Pause at height			
0				Retract Continue Search and Replace Post stretch script	>		
Þİ∢				Time Lapse	Γ		
				Use Previous Probe Measurement			
Q.N							
						Close	

