

3D Printer

-brand:STRING
-model:STRING
-style:STRING
-open_source:BOOLEAN
-x_build_area:INTEGER
-y_build_area:INTEGER
-z_build_area:INTEGER
-x_dimension:FLOAT
-y_dimension:FLOAT
-z_dimension:FLOAT
-max_speed:INTEGER
-max_acceleration:INTEGER
-nozzel_flow:FLOAT
-nozel_type:STRING
-nozel_material:STRING
-nozel_quicksnap:BOOLEAN
-direct_drive:BOOLEAN
-bowden_fed:BOOLEAN
-multi_toolhead:BOOLEAN
-num_of_toolhead:INTEGER
-multi_material:BOOLEAN
-multi_material_method:STRING
-autoleveling:BOOLEAN
-max_e_temp:INTEGER
-max_bed_temp:INTEGER
-enclosure:BOOLEAN
-filtration:BOOLEAN
-bed_type:STRING
-bed_material:STRING
-heated_bed:BOOLEAN
-flex_plate:BOOLEAN
-camera:BOOLEAN
-part_lighting:BOOLEAN
-lcd_screen:BOOLEAN
-touch_screen:BOOLEAN
-standard_filament:BOOLEAN
-high_temp_filament:BOOLEAN
-specialty_filament:BOOLEAN
-filament_exception:LIST<STRING>
-input_shaping:BOOLEAN
-chamber_env_control:BOOLEAN
-wifi:BOOLEAN
-touch_input:BOOLEAN
-power_fail_recover:BOOLEAN
-multi_machine_ctrl:BOOLEAN
-filament_runout:BOOLEAN
-auto_shutdown:BOOLEAN

-firmware_version:STRING
-supported_file_formats:LIST<STRING>
-connectivity_options:LIST<STRING>
-power_consumption:FLOAT
-noise_level:FLOAT
-supported_materials:LIST<STRING>
-safety_certifications:LIST<STRING>
-warranty_period:INTEGER

+move_x()
+move_y()
+move_z()
+move_e0()
+move_e1()
+move_e2()
+move_e3()
+autolevel()
+set_e0()
+set_e1()
+set_e2()
+set_e3()
+set_bed()
+set_chamber()
+read_th0()
+read_th1()
+read_th2()
+read_th3()
+read_th_bed()
+read_th_chamber()
+set_filter_method()
+set_lighting()
+set_fan0()
+set_fan1()
+set_fan2()
+set_fan3()
+set_fan_chamber()
+load_model()
+load_gcode()
+run_gcode()
+check_fw_version_installed()
+check_fw_version_external()
+alert_fw_update()
+load_fw()
+update_fw()
+start_wifi()
+connect_external()
+pc_auth()
+pc_connect()

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+monitor_rx()
+send_tx()
+load_defaults()
+factory_reset()
+init_screen()
+monitor_touch_input()
+monitor_btn_input()
+monitor_endstop_x()
+monitor_endstop_y()
+monitor_endstop_z()
+init_input_shaping()
+pause_print()
+stop_print()
+resume_print()
+recover_print()
+emergency_state_image()
+monitor_pwr_in_state()
+check_e_caps()
+charge_e_caps()
+maintain_e_caps()
+filament_change_manual()
+filament_change_auto()
+ams_tx()
+ams_rx()
+open_profile()
+edit_profile()
+save_profile()
+load_profile()
+new_user()
+login()
+logout()
+forgot_pass()
+take_picture()
+take_timelapse()
+take_video()
+check_if_farm()
+set_machine_multi()
+set_machine_id()
+set_machine_priority()
+start_auto_shutdown_timer()
+shutdown()
+is_filament_sensor()
+monitor_filament_sensor()
+filament_out_routine()
+filament_swap()
+mount_int_storage()
+mount_ext_storage()
+wipe_int_storage()
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+wipe_ext_storage()
+unmount_int_storage()
+unmount_ext_storage()
+copy_int_to_ext()
+copy_ext_to_int()
+init_serial_monitor()
+display_serial_monitor()
+calibrate_extruder()
+perform_maintenance_check()
+monitor_print_progress()
+estimate_print_time()
+calc_material_usage()
+gen_print_report()
+enable_sleep_mode()
+resume_from_sleep()
+export_print_logs()
+config_network()
+auth_user()
+log_activity()
+schedule_job()
+cancel_job()
+monitor_chamber()
+adj_feed_rate_manual()
+perform_self_test()
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