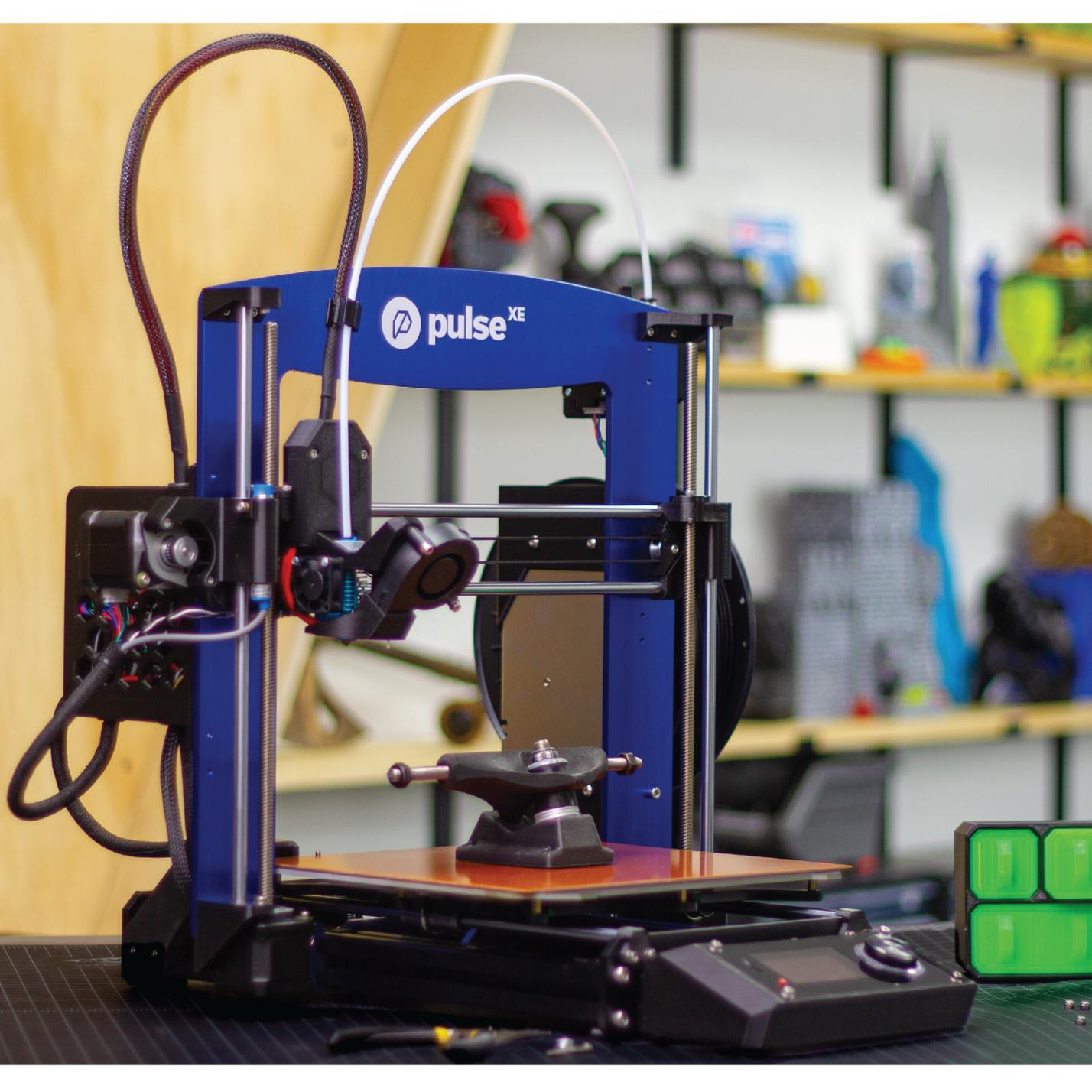


pulse

— BY MATTERHACKERS —

GETTING STARTED GUIDE



 pulse^{XE}



WELCOME TO THE

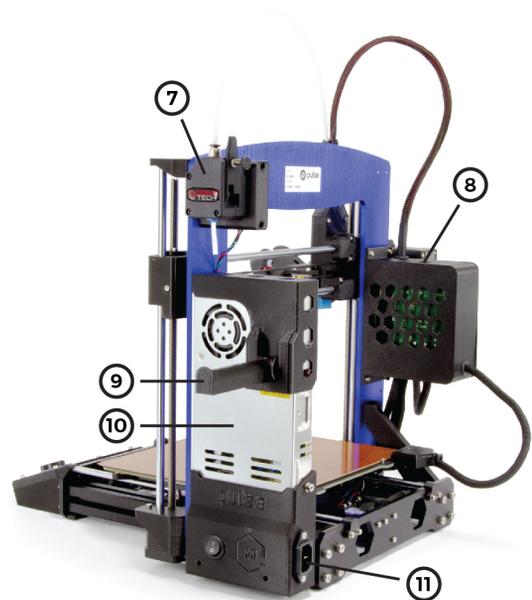
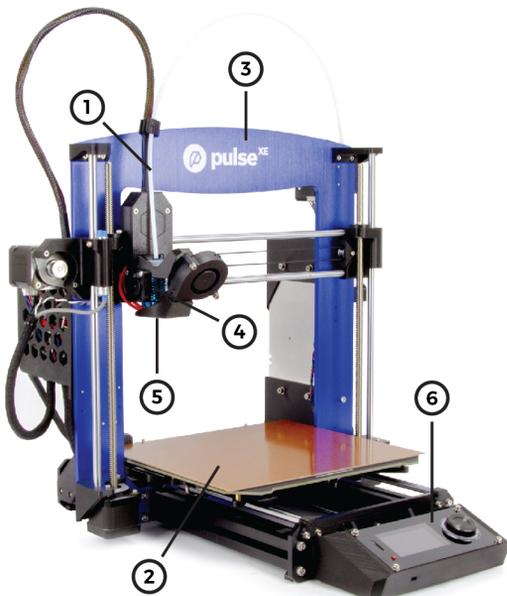
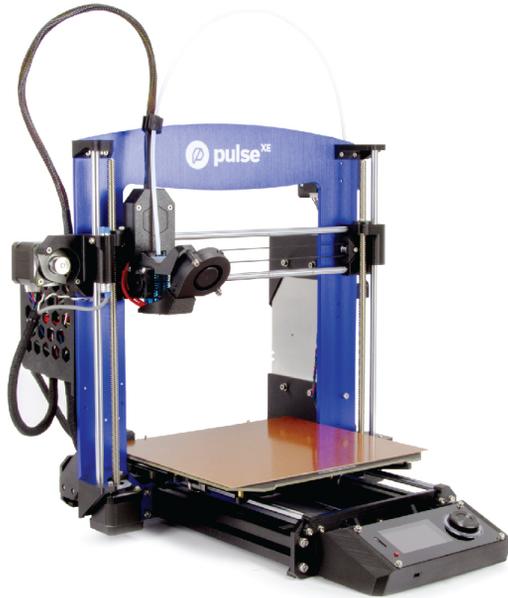


pulse

FAMILY

matterhackers.com/pulse

Getting Started Guide V#125



STEP 1

UNBOXING

| Remove printer and accessories from the packaging.

PULSE - AT A GLANCE

1. Bowden Tube
2. Build Plate
3. Frame
4. Hotend
5. Nozzle
6. LCD Control Panel Interface
7. Extruder
8. USB Port
9. Spool Holder
10. Power Supply
11. Power Socket

STEP 2

REMOVE **RED** ZIP TIES

| Cut and remove **RED** zip ties. These help protect your printer during shipping. (A)

STEP 3 (OPTIONAL UPGRADE - SKIP TO STEP 4)

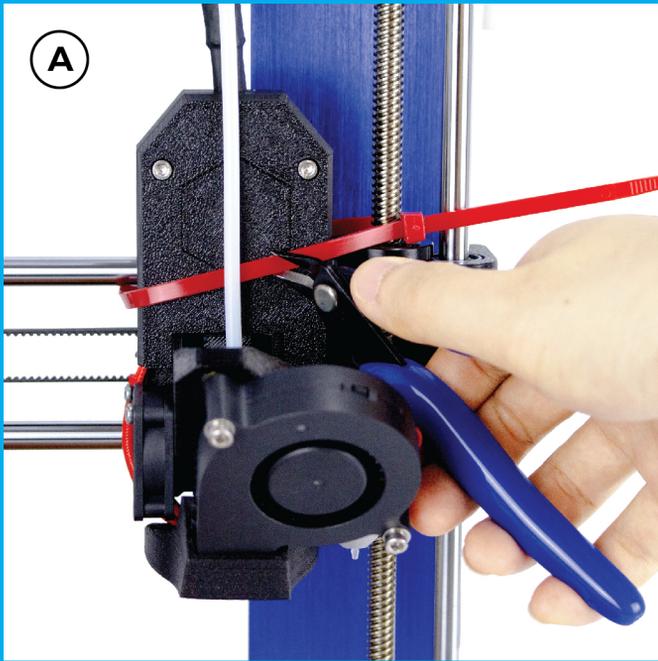
MOUNT SCREEN

| Slide the screen into place as shown. (B)

STEP 4

ATTACH SPOOL HOLDER ROD

| Slide the spool holder rod into place as shown. (C)



STEP 5

CONNECT POWER SUPPLY

| Connect the power cord to the power supply on your Pulse. (A)

| Turn the power switch on. (B)

STEP 6

PLUG USB CABLE INTO PULSE

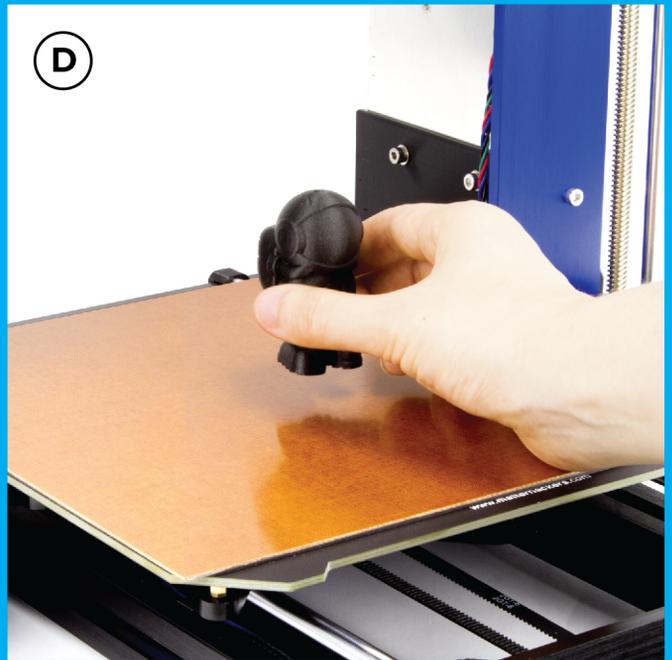
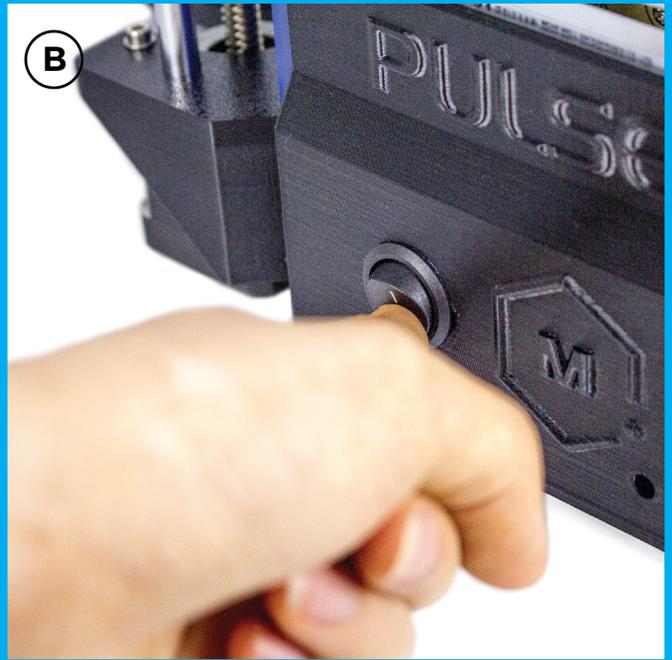
| Locate the USB input on the back of your Pulse 3D printer and plug USB cable in. (C)

| Don't plug the USB cable into your computer yet.

STEP 7

CLEAR THE BED

| Every Pulse printer is tested before it is shipped out. Remove the test print from the bed. (D)



STEP 8

INSTALL PRINTER SOFTWARE

Download and install the latest version of MatterControl 3D Printer Software from matterhackers.com/pulse

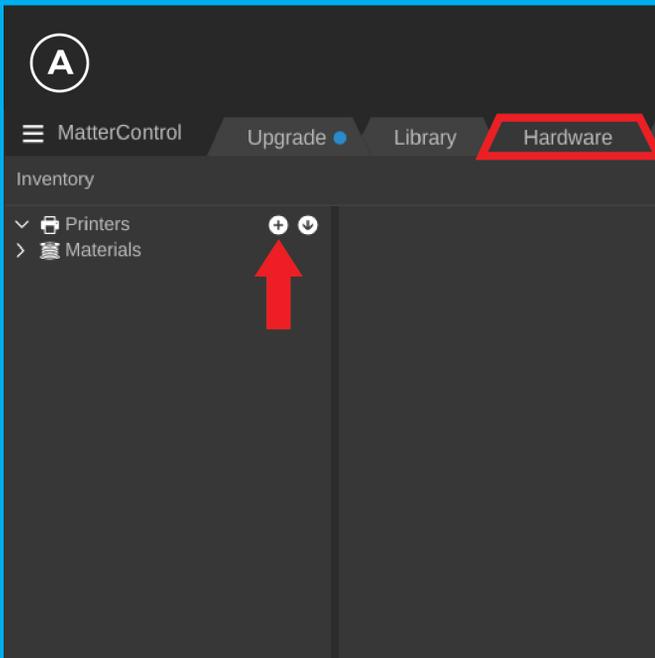
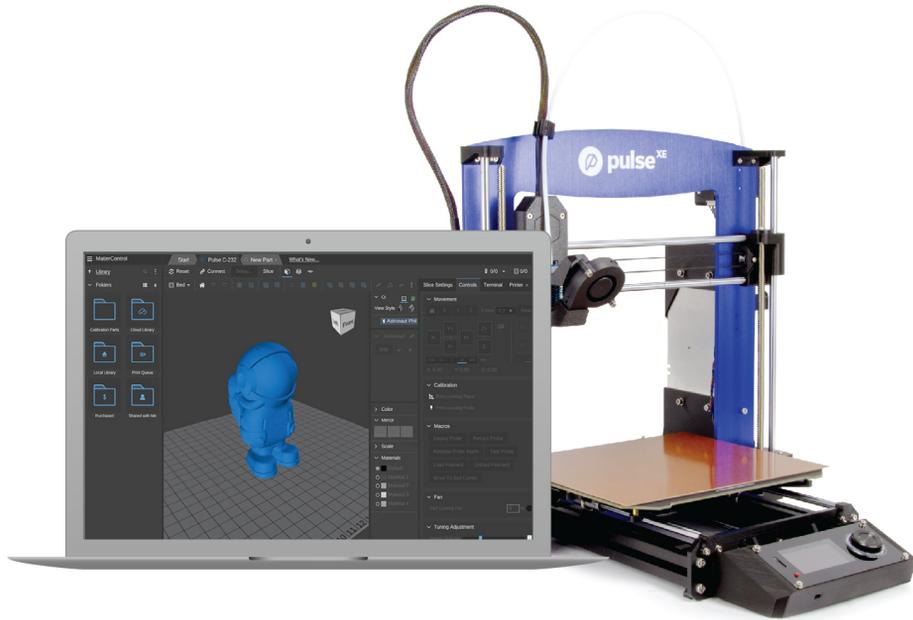
STEP 9

SETUP WIZARD

Open MatterControl. Click the 'Hardware' tab at the top and the '+' button on the left sidebar to create a printer. (A)

Choose the Pulse model you have. The model number is on the sticker located on the back of the blue aluminum frame. (B)

MATTERCONTROL'S SETUP WIZARD WILL GUIDE YOU THROUGH CONNECTING THE 3D PRINTER.



Slice Settings Controls x

A

Movement

X Y Z Z Offset: 0 Release

X- Y+ X+ Y- Z+ Z-

E- Retract E+ Extrude

0.02 0.1 1 10 100 mm

X: 0.00 Y: 0.00 Z: 0.00

Calibration

Printer Calibration 

Temperature

Hotend 28/0

Phil A. Ment 28/0

C

Hotend

Extruder Temperature 210 °C

Material - none - Shop

Filament Load Unload

Extrude Retract

Distance 1 10 100 mm

X: 0.00 Y: 0.00 Z: 0.00

Calibration

Printer Calibration 

Temperature

B

Printer Calibration

1. Z Calibration 

2. Print Leveling 

3. Load Filament 

Printer Setup & Calibration

Select the calibration task on the left to continue

Z Calibration
Setup Required

Print Leveling
Setup Required

Load Filament
Setup Required

STEP 10

CALIBRATION & FILAMENT

Select 'Printer Calibration' located on the right sidebar under the 'Controls' tab. (A)

Follow the instructions presented by MatterControl for 'Printer Setup & Calibration'. It will guide you through the Z Calibration, Bed Leveling, and Loading Filament processes. (B)

If the 'Load Filament' process does not show up under 'Printer Calibration', 'Load Filament' can also be accessed through the Current Hotend Temperature menu. (C)

For more information on Materials and Bed Surface compatibility please visit the Guides section on www.matterhackers.com/pulse

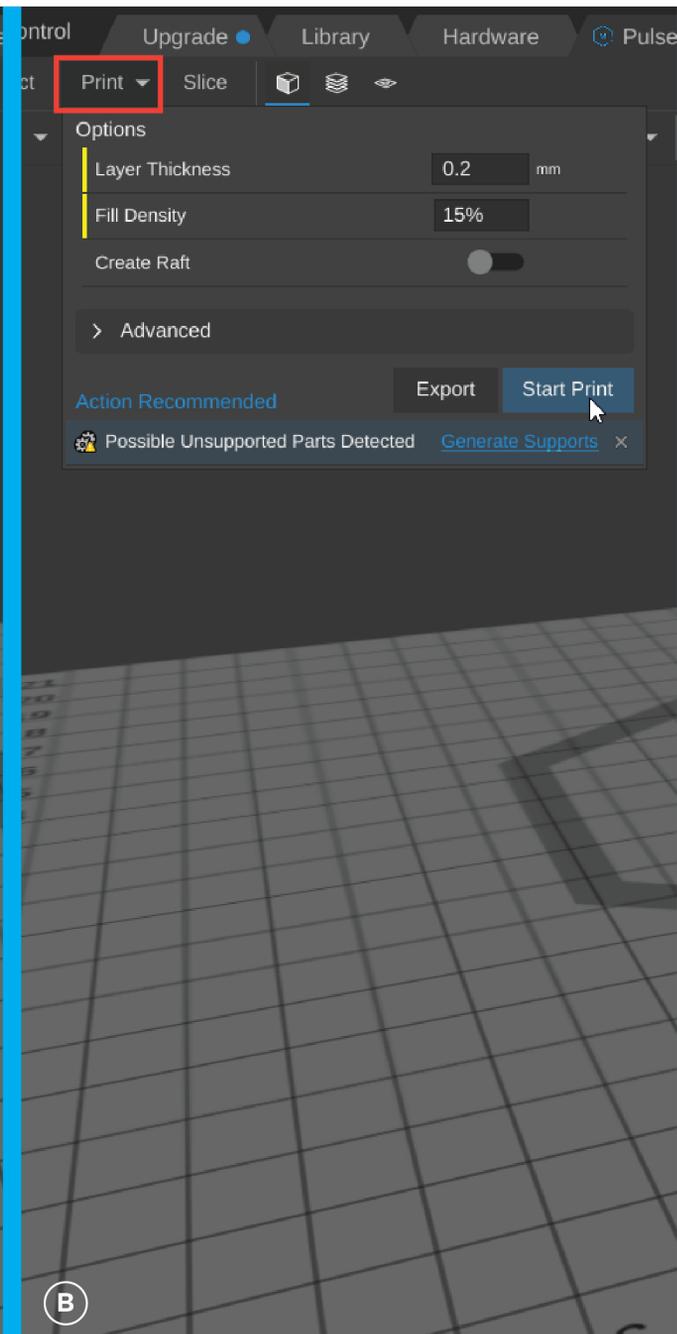
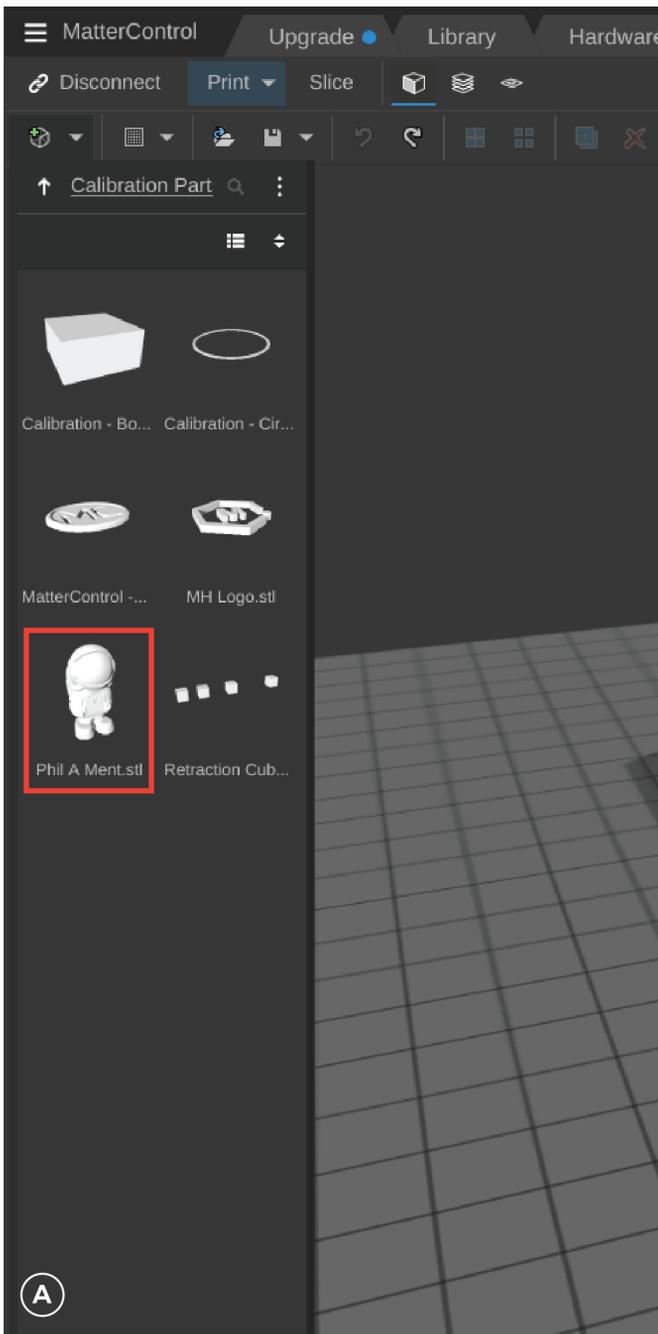
STEP 11

START YOUR FIRST PRINT

For specific guides for succeeding with a bunch of different materials - visit the Pulse User Guide at matterhackers.com/pulse

Locate the 'Phil A Ment' design under the folders - Library - Calibration Parts. Select the Design and drag it onto the bed. (A)

Select 'Print' then 'Start Print.' (B)



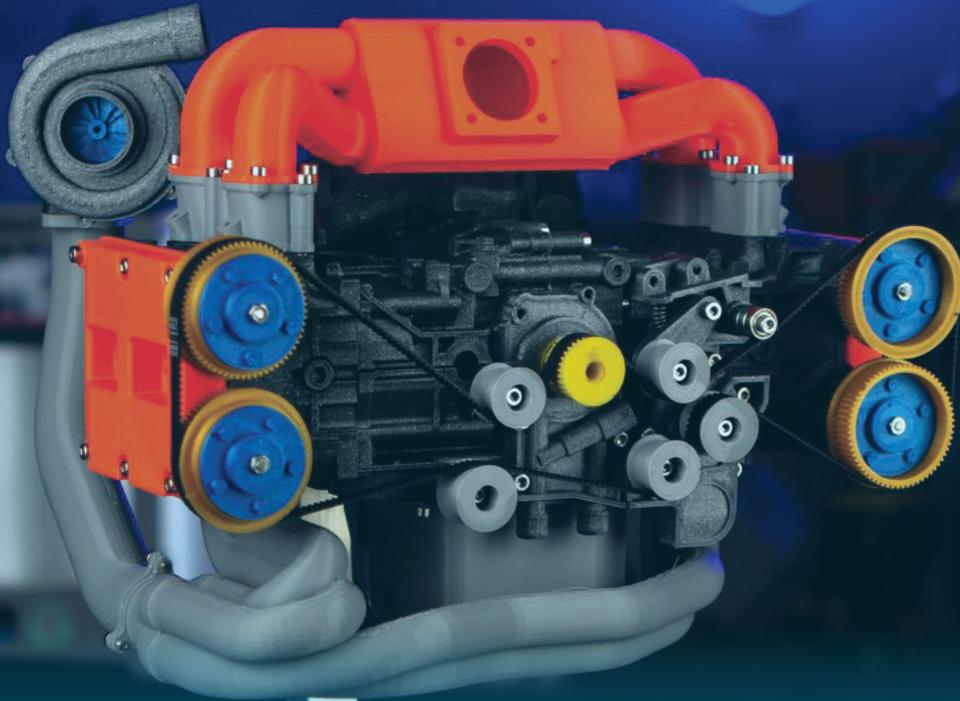
BECOME AN EXPERT

To learn more about your Pulse 3D printer visit
www.matterhackers.com/pulse

- Getting Started Guide
- How to Succeed with...
 - PLA
 - RYNO
 - NylonX
 - And more!
- Pulse User Manual
- Maintenance Instructions



SCAN ME



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|MH| **BUILD**

MH Build Series 3D Printing Filament is designed and priced for every maker. This affordable series comes in PLA, ABS, PETG, and TPU.

PROSERIES

MatterHackers PRO Series Filaments are engineered to highlight the strengths of each type of 3D printer filament. Experience quality and reliable color consistency in every vibrant color available. Manufactured to the tightest tolerances on the market and made in the USA, PRO Series Filaments include PLA, ABS, PETG, Nylon, Flex, Ryno and more.

NYLON^x

NylonX is an engineering-grade nylon filament which is blended with chopped carbon fibers (approximately 20% by weight), creating a high-strength filament capable of printing tough, functional parts.



PETG

MatterHackers

MADE IN THE USA

1.75mm

1.75kg

MH BUILD

MADE YOUR WAY

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