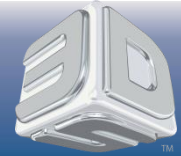# ProJet™ 3500

It will be necessary to register your ProJet 3-D Production System, to access the ProJet Online User Guide. To register, type in " projet.3dsystems.com" in the web browser. You will be asked to supply a "User ID" which should be something that is easily remembered; and the password. Your password is your printer's serial number that is located on the back side of the machine. Once registered, an email confirmation will be sent to you with a link to 3D Systems' 3DS Central login page. (http://3dscentral.3dsystems.com). Please log in using the user name and password as in the confirmation email to access the user guide.

1 PROJET 3500 USER GUIDE

This quick reference guide will give you basic instructions on how to get your printer ready to successfully build your first part.
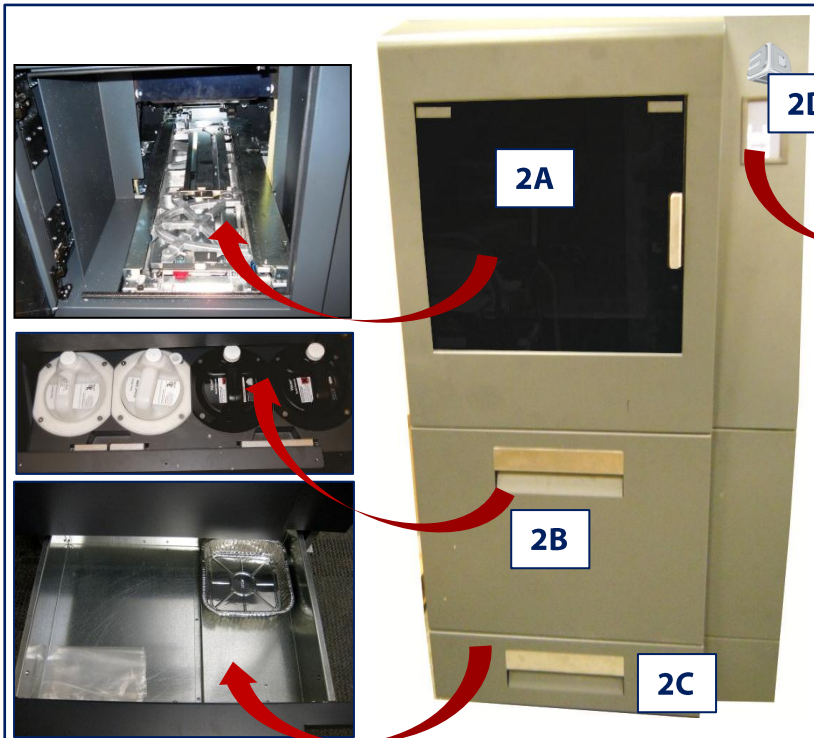For more detailed instructions, please access the ProJet™ 3500 User Guide by logging into http://3dscentral.3dsystems.com.
A.   Enter your email address and the password that was sent in the confirmation email.
B.   Once in 3DS Central, click on "Product" located at the top menu bar.
C.   Next, click on ProJet 3500 Series located on the side bar; your user guides and other valuable printer documents are located here. Click on the document to open or download a copy to save.
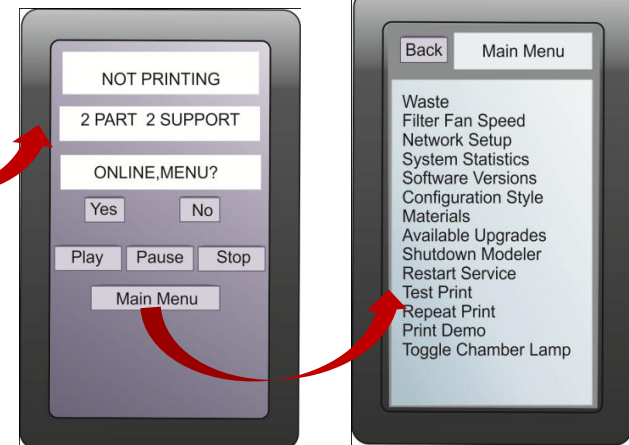
2 FAMILIARIZATION

ProJet™ Accelerator Software has been installed on your computer system by 3D Systems' authorized ProJet™ Service Technician or reseller during the installation of your printer. Please read "TIPS for Our Customer" to get the best possible experience with the material delivery system on your new ProJet® 3500 system

2A Build chamber   **2B** Support and part material module
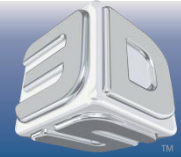**2C** Waste drawer and waste pan   **2D** Operator Panel

Support materials (white cartridges) are installed into the two modules on the left side of drawer. The part material s (black cartridges) are install into the two modules on the right side of drawer.

Touchscreen Operator Panel

- Status of Printer
- Status of Material
- Yes / No to confirm an operation or cancel the operation
- Play to start a build; Pause to momentarily stop the build and Stop to abort a build.
- Press Main Menu to view the Touchscreen operations.

The operator panel provide s printer status, and printer operation functions that are controlled by the operator. Press the "Main Menu" to view the touch screen of other systems operations. To select a operation, use your finger and tap on the function that you want the printer to perform.

3 POWER SUPPLY

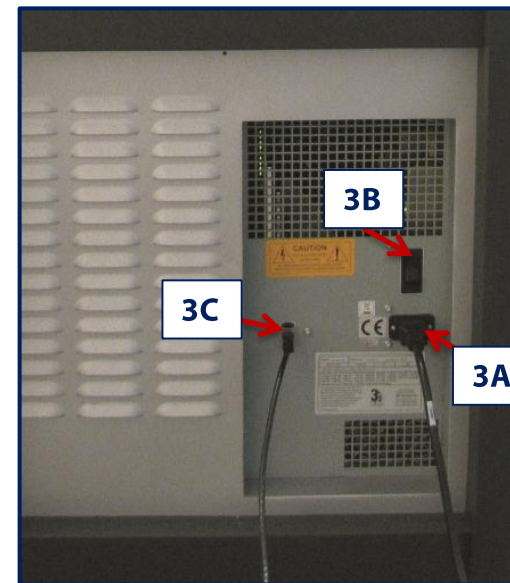Verify facility's electrical service rating before connecting power to the printer.
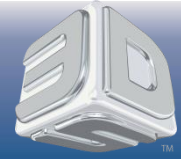**Facility electrical requirement:**
Grounded, 1-phase electrical circuit
Service rating: 100–127 VAC, 50/60 Hz, 15A (max.)

- Plug power cord (**3A**) into power outlet (located at the backside of printer) and into facility's power outlet.
- Switch power on (**3B**).
- Plug RJ-4C cable (**3C**) into terminal (located at the backside of printer) and into computer's USB terminal.

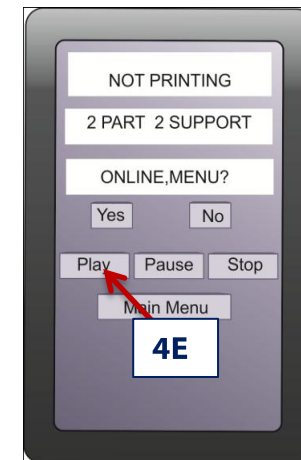**NOTE: A shielded Ethernet cable is required when connecting from the printer to the end user's computer.**
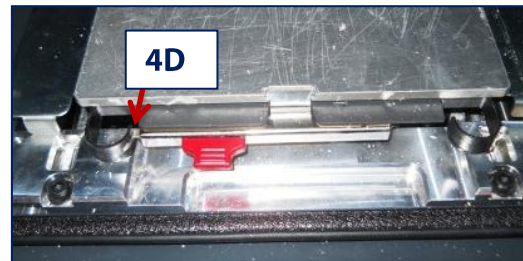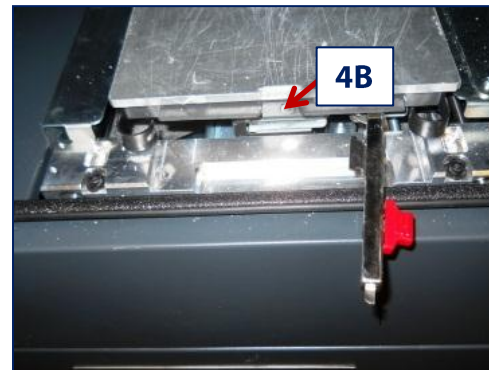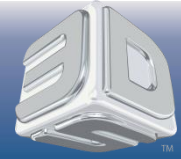
4 PRINT PLATFORM INSTALLATION

NOTE: Clean platform using Isopropyl Alcohol before installing into printer.

- Open the chamber door.
- Align platform's rear notch into x-carriage's locating tab at the back of carriage (**4A**).
- Align platform's front notch (**4B**) front locating tab.
- Slide the red latch release back and insert latch's tab into the build plate front notch (**4C**).

- Insert latch into the x-carriage's front loop bracket (**4D**). Release latch to secure print platform.
- Close the front door and press "Play" on operator's panel to bring the printer ONLINE (**4E**).
- **To remove the platform**, push latch back and lift platform from x-carriage.
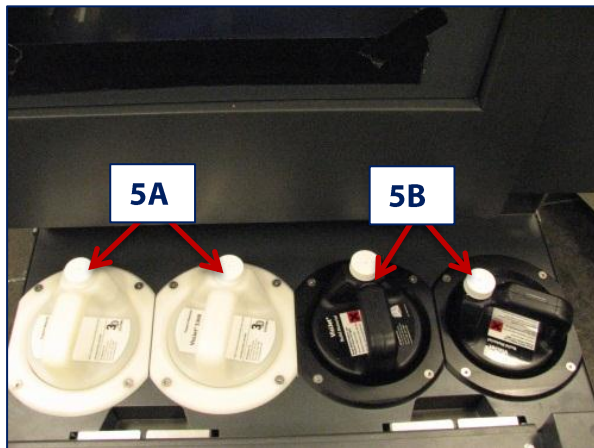

4A

4B

4C

4D

NOT PRINTING

2 PART 2 SUPPORT

ONLINE,MENU?

Yes   No

Play   Pause   Stop

Main Menu

4E

3D Systems • 333 Three D Systems Circle • Rock Hill, SC 29730 USA •Telephone (803) 326-4080 •Toll Free (800) 889-2964   **4**
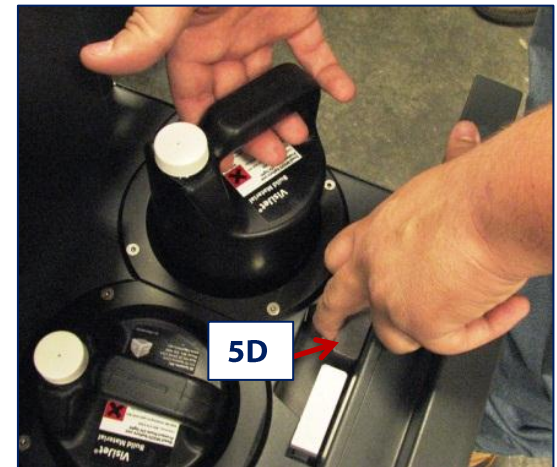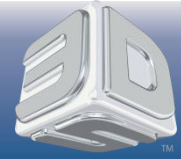
5   MATERIAL cartridge INSTALLATION

- After powering on the printer, there is a 15 minute warmup period before the material cartridges can be installed. The user touchscreen operator's panel will instruct when the printer is warm enough to install material cartridges.
- After the printer warms up, open the material drawer to install support and part material cartridges.
- Install two white support material cartridges into the two left material modules (**5A**) and install the two black part material cartridges into the two right material modules (**5B**).
- Press down on cartridge handles to ensure they are fully seated into modules (**5C**).

To remove material cartridge, lift up the lever (**5D**) in front of material module to release cartridge; pull cartridge out.

⚠️ **CAUTION:** Adhere to all personal, and safe handling of materials described in the Material Safety section in the ProJet 3500 User Guide. Always follow MSDS / SDS guidelines and local regulations regarding handling and disposal of regulated materials. Keep disposal records if local law requires.

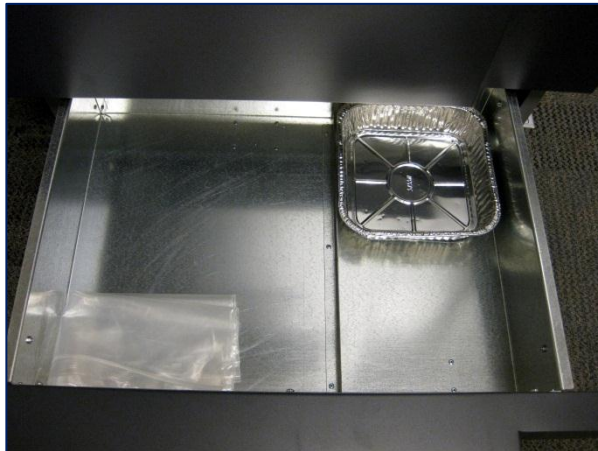## 6 — WASTE DRAWER PAN INSTALLION AND PAN REMOVAL

⚠️ **CAUTION:** Before removing waste materials from the waste drawer, adhere to all personal, and safe handling of materials described in the ProJet 3500 User Guide under "Material Safety." Keep disposal records if local law requires.

🧤 **Wear gloves when removing and disposing of waste pan.**
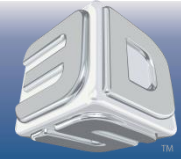
To install waste pan:
- Open the waste drawer and place the waste pan in the right side, back of drawer. Close waste drawer.

To remove waste pan:
- If the printer is idle, open the waste drawer. If the printer is operating, press "Pause" on the operator's panel. When pause is completed, open waste drawer.
- Remove waste pan and place it in the plastic bag.
- Dispose of waste material according to your local law.
- Replace the waste pan in the right side' back of drawer.
- Close drawer and press "Play" to resume build.

NOT PRINTING

2 PART 2 SUPPORT

ONLINE,MENU?

Yes   No
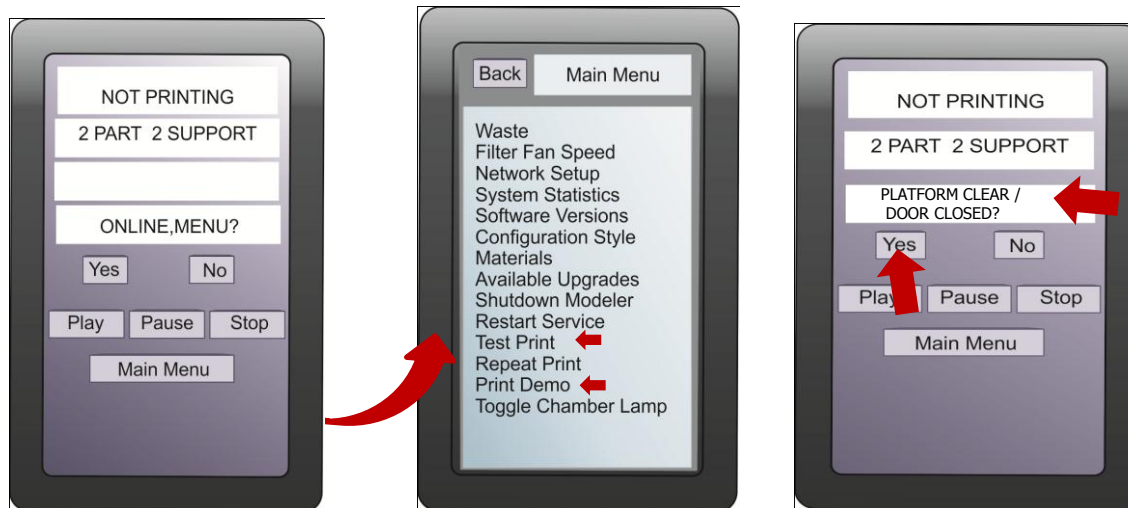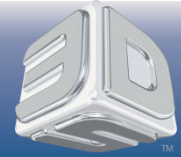
Play   Pause   Stop

Main Menu

7 OPERATION

To ensure that the printer is functioning properly, a test print is recommended. The test build is provided on the ProJet 3500 hard drive. The test print file consist of 1 layer strips of materials, one strip for support material and one strip for part material.

The Demo Print is an actual part file that you can use as a test build. Please follow the operation procedure described below.

To Start a Test Print or Print Demo:

- Press Main Menu and tap on Test Print or Print Demo on the touch screen; once selected, it will high-light and then return to the operator's panel.
- In the operator's panel , the message "PLATFORM CLEAR / DOOR CLOSED? " or a message to check the waste drawer will display.
- Press Yes if the platform is clear and door is closed, otherwise press No and ensure that platform is installed and the door is closed.
- If Yes is selected, the printer will begin printing.
- After the print is completed, the message "Remove Print" will display. Open the printer door, and remove the print platform as described in Step 4, "**Print Platform Installation.**" To remove part removal and post processing instructions, refer to VisiJet® Part Processing User Guide located in 3DS Central.

8 SHUTTING DOWN SYSTEM

- Verify that printer is not building.
- Press Main Menu, and tap on "Shutdown Modeler " on the touchscreen panel. Once selected, it will high-light and then return to the operator's panel.
- Press "Yes" twice on the operator's panel. The display shows OK TO POWER OFF XXX, press the power switch on the rear panel.