ProJet™ 5000
3-D Printer

Quick Reference Guide

WHEN **OPERATING THE PRINTER, ADHERE TO ALL PERSONAL AND SAFE HANDLING OF MATERIALS DESCRIBED IN THE SAFETY SECTIONS OF THE USER GUIDE. THIS SYSTEM IS INTENDED TO BE INSTALLED BY A 3D SYSTEMS' AUTHORIZED SERVICE TECHNICIAN OR WARRANTY WILL BE VOIDED.**
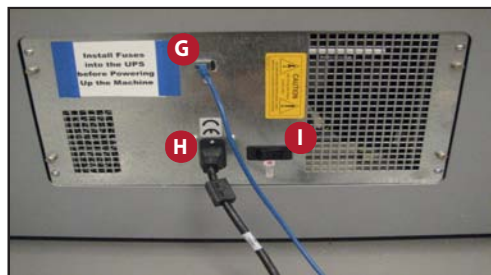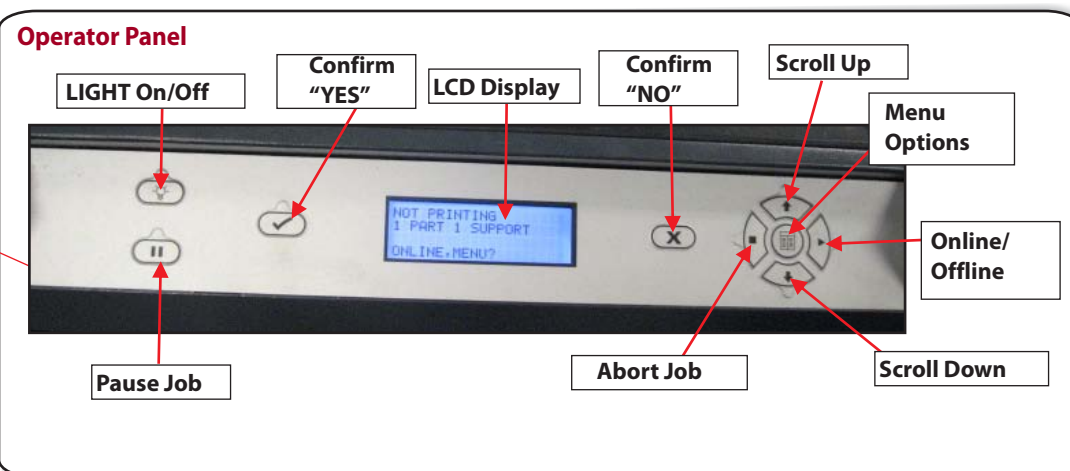
It will be necessary to register your ProJet™ 3-D Production System to access the ProJet™ 5000 Online User Guide. To register, type in " projet.3dsystems.com" in the web browser. Once registered, an email confirmation will be sent to you with a link to 3D Systems' 3dpedia. (http://3dpedia.3dsystems.com). Once you are at the login page, enter the assigned user name **pj5k-01** and password **pj5k-01**. Please keep the user name and password in a accessible area for future use.

FAMILIARIZATION

Operator Panel

- LIGHT On/Off
- Confirm "YES"
- LCD Display
- Confirm "NO"
- Scroll Up
- Menu Options
- Online/Offline
- Pause Job
- Abort Job
- Scroll Down

LCD Display:
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NOT PRINTING
1 PART 1 SUPPORT
ONLINE,MENU?
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A	Build Chamber / Build Platform (Located in Build Chamber)
B	Support Material Delivery Module Compartment
C	Part Material Delivery Module Compartment
D	Waste Drawer
E	Material Bottle (Support Material)
F	Material Bottle (Part Material)
G	Shielded Ethernet Cable (Not Supplied)
H	Power Cord
I	Power Switch

WHEN OPERATING THE PRINTER, ADHERE TO ALL PERSONAL AND SAFE HANDLING OF MATERIALS DESCRIBED IN THE SAFETY SECTIONS OF THE USER GUIDE.

POWER SUPPLY

The AC voltage and current requirements for the ProJet™ Production Modeling System are:

- 100 VAC, 50/60 Hz (Dedicated 30 amp. Circuit Breaker)
- 115 VAC, 50/60 Hz (Dedicated 30 amp. Circuit Breaker)
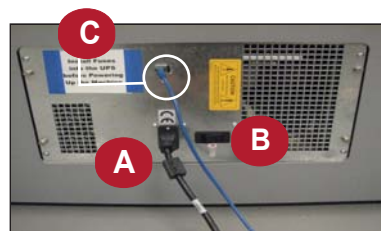- 230 VAC, 50/60 Hz (Dedicated 20 amp. Circuit Breaker)

Note: The installation of The ProJet™ Production Printing System shall comply with the National Standards and Local Electrical Codes of the location in which it is installed.

See ProJet™ Facility Requirement Guide for detailed information for electrical power supply and other facility information.
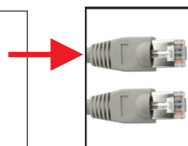
- Before plugging in the power cord, confirm the specifications of electrical service and breaker.
- Make sure that the red shipping restraints and braces have been removed from the printer.

Plug power cord (A) into power outlet on back side of printer and into facility's power outlet. **Switch power on (B). Plug RJ-45 shielded Ethernet cable (not supplied) into jack (C).**

NOTE:
A shielded Ethernet cable (C) is required when connecting from the printer to the end user's computer.
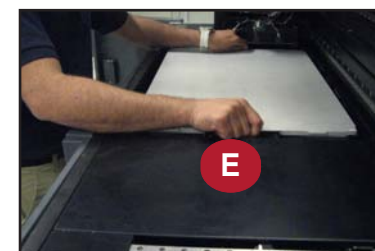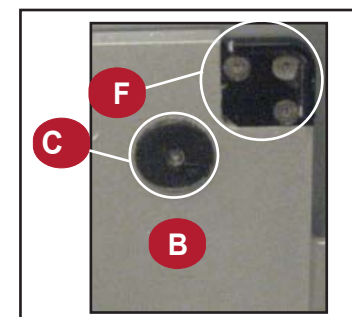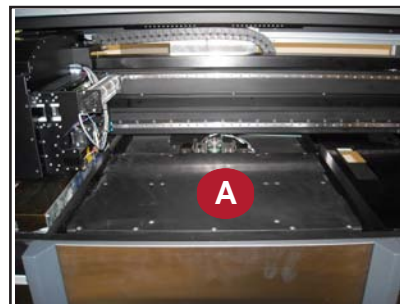

PLATFORM INSTALLATION

NOTE: Clean platform elevator (A) and platform (B) using Isopropyl Alcohol. When cleaning platform, clean the front and back sides.
Ensure that the corner guides (C) on the backside of platform are clean and free of debris. If debris exists when installing, the platform guides will not lock into the platform elevator.

Lift build chamber door. (See "Familiarization (A)" for build chamber door location.)

Place platform (E) with corner guides (F) and pads (C) facing down onto the platform elevator and seat onto elevator (D). The magnetic guides will affix the platform to the elevator and if properly installed, platform will not move. It should sit squarely on the elevator and be firmly located by the corner guides. Use caution not to drop the platform or hit the printhead.

To remove platform, lift from the sides and pull up and out from the platform elevator (E).

Close the build chamber door and press ONLINE (G).

WHEN OPERATING THE PRINTER, ADHERE TO ALL PERSONAL AND SAFE HANDLING OF MATERIALS DESCRIBED IN THE SAFETY SECTIONS OF THE USER GUIDE.

SUPPORT & BUILD MATERIAL BOTTLE INSTALLATIONS

A Support Material Delivery Module

B Part Material Delivery Module

C Release Latch

Unpack bottles and MSDS/SDS Sheet from carton and read the MSDS/SDS before handling the materials.

Loosen bottle cap (D) ½ turn counterclockwise to allow air to vent.

Open doors to the material delivery modules (A & B). Open left and/or right material delivery modules by pushing handle down and pulling out the compartment (E).

Install bottle into compartment and press bottle down until a click sounds. **NOTE: Do not place support material into build delivery modules and visa versa. Doing so can cause damage to the printer.**

NOTE: Be sure that the bottle is locked in place. If bottle is loose, press bottle down to ensure it is latched. Close compartment.

NOTE: The illustration in this step depicts removing the support material module. This step also applies to the build material module. To remove bottle, open delivery module; press and hold release latch (C) down. Grip bottle handle and lift bottle out of module.

NOTE: See ProJet™ 5000 User Guide for proper material bottle storage instructions.

Waste Bag Installation & Removal

Wear protective gloves before removing any waste material. Be careful not to spill, drop, or expose others to these materials. Dispose the material according to your local regulatory guidelines.

Open waste drawer and install waste bag onto waste bag holder (E) by pushing the top frame in while inserting the bag over the frame. Drape bag over the sides of holder and close drawer.

Reverse procedure to remove bag. Dispose of the used pan liners into the waste bag. Once bag is removed, seal bag (F) and dispose of it according to your local regulatory guidelines.
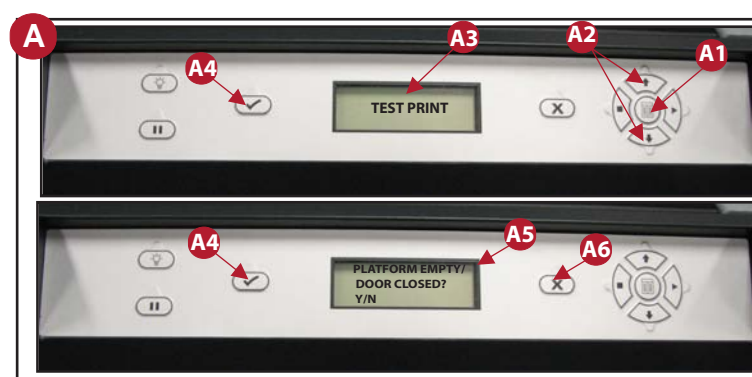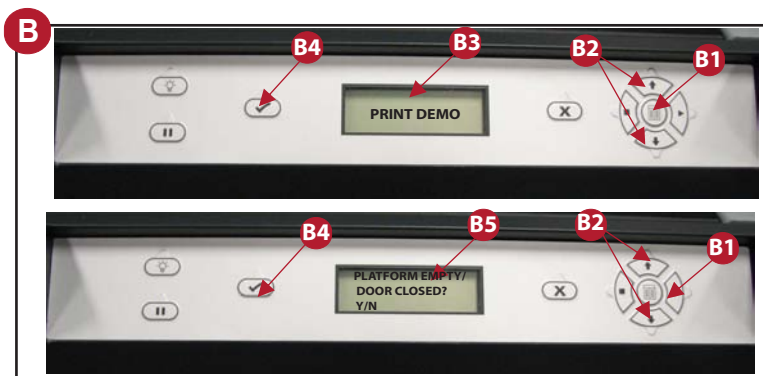

OPERATION

A

Submit Print Build
Press **MENU (A1), Scroll (A2)** to highlight **TEST PRINT (A3)** and press **YES (A4)**. The message **PLATFORM EMPTY? DOOR CLOSED? Y/ N (A5)** scrolls across the display, **Press YES (A4)** if the platform is empty and the door is closed, otherwise press **NO (A6).**
NOTE: It is recommended to submit a Test Build prior to each build job.

OPERATION

B

B4 B3 B2 B1

PRINT DEMO

B4 B5 B2 B1

PLATFORM EMPTY/
DOOR CLOSED?
Y/N

B

Build Demo

Press **MENU (B1)**, **Scroll (B2)** to highlight **PRINT DEMO (B3)** and press **YES (B4)**; the system displays **PLATFORM EMPTY/DOOR CLOSED? Y/N (B5).**

When the platform is empty, press **YES (B4)**. The modeler will start the demo build job.

NOTE: Refer to ProJet ™ 5000 User Guide, under the operation section for the build process, how to remove parts from the modeler and cleaning parts procedure.
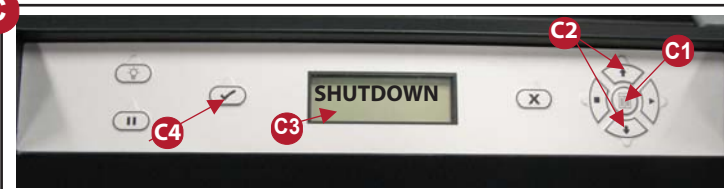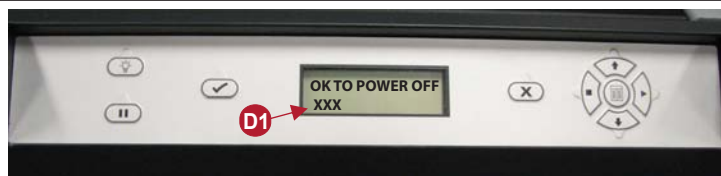
Shutting Down Printer

C

NOTE: Verify that printer is not building; if job is running, abort the current job.

Press MENU **(C1)**, scroll **(C2)** to SHUTDOWN **(C3)**, press YES **(C4)** twice.

C

C2 C1

SHUTDOWN

C4 C3

D

OK TO POWER OFF
XXX

D1

ONLINE

D3

D2

D

When the display shows **OK TO POWER OFF XXX (D1)**, press the power switch on the rear panel **(D2)**.

To halt shutdown, press ONLINE **(D3)** before pressing power switch.