



stratasys

Mojo[®]

SITE PREPARATION GUIDE

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REVISION LOG

Revision	Date	Description of Changes
400735-0001, Rev. A	January 2016	Initial release.
400735-0001, Rev. A	February 2016	Removed the LAN Requirements section.

SAFETY

The following basic safety tips are given to ensure safe installation, operation, and maintenance of Stratasys equipment and are not to be considered as comprehensive on matters of safety. Although the Mojo system is designed to be a safe and reliable printer, access to areas of the printer are potentially dangerous.

SAFE ENVIRONMENT

- Connect equipment to a grounded facility power source. Do not defeat or bypass the ground lead.
- Know the location of equipment branch circuit interrupters or circuit breakers and how to turn them on and off in case of emergency.
- Know the location of fire extinguishers and how to use them. Use only ABC type extinguishers on electrical fires.
- Know local procedures for first aid and emergency assistance at the customer facility.
- Use adequate lighting at the equipment.
- Maintain the recommended range of temperature and humidity in equipment area.
- Do not use this product in an environment containing volatile or flammable compounds.

ABOUT THE MOJO

The Mojo printer incorporates the latest in innovative technologies to provide you with precise prototypes from a CAD design. The Mojo printer builds models from CAD STL files that are sent to the system using a USB cable from a dedicated host computer. The printer builds three-dimensional parts by extruding *ABSplus* model material and SR-30 support material through two computer-controlled print heads, producing high quality parts that are ready to use immediately after completion.

COMPONENTS

- The Mojo Printer
- Print Wizard Software Package

HIGHLIGHTS

- Maximum build area of 5 x 5 x 5 inch (127 x 127 x 127 mm)
- 2 Consumable QuickPack Print Engines: 1 *ABSplus* model, 1 SR-30 support

HOW TO USE THIS GUIDE

This guide provides information for selecting an appropriate location for the Mojo printer. Information of particular importance is presented in one of three formats:



Warning: A WARNING indicates a procedure that may cause injury to an operator if the procedure is not followed. A WARNING will precede the paragraph of instruction to which it relates.



Caution: A CAUTION indicates a procedure that may cause damage to equipment if the procedure is not followed. A CAUTION will precede the paragraph of instruction to which it relates.



Note: A NOTE is used to highlight a specific point or to provide an operational tip. While useful, a NOTE does not indicate a procedure that can cause injury or damage if it is not followed. A NOTE will follow the paragraph of instruction to which it relates.

SITE PREP TASKS

SELECTING THE SITE

Decide where to install the printer based on the following:

1. Space Requirements
2. Workstation Requirements
3. Environmental Requirements
4. Electrical Requirements

SPACE REQUIREMENTS

UNCRATED DIMENSIONS AND WEIGHTS

Make sure that the installation location can accommodate the printer's weight and dimensions, plus required clearances. The installation location must be a stable flat surface capable of holding 75 pounds (34.1 kg).

Height	18.5 inches (47 cm)
Width	25 inches (63 cm)
Depth	20.5 inches (52.1 cm)
Weight	62 pounds (28.2 kg)

MINIMUM CLEARANCES

Sufficient rear and side clearances allow for proper air circulation. Sufficient overhead clearance allows enough room for the top cover to be opened. Sufficient front clearance allows enough room for the oven door to be opened.

Side Clearance	Minimum 2 inches (5.08 cm) on each side
Rear Clearance	Minimum 6.5 inches (16.5 cm)
Front Clearance	Minimum 12 inches (30.5 cm)
Overhead Clearance	Minimum 24 inches (61.0 cm)

ENVIRONMENTAL REQUIREMENTS

- The Mojo printer is for indoor use only.
- Air quality conditions with excessive solid particulates (conductive or non-conductive) may result in system damage.
- Air quality conditions in which airborne oils are allowed to accumulate on or within the printer can damage the plastic components.
- Operating temperature shall be in the range of 59°F to 86°F (15°C to 30°C), with relative humidity range of 30% to 70% non-condensing.
- Storage temperature shall be in the range of -40°F to 129.2°F (-40°C to 54°C), with relative humidity range of 10% to 85% non-condensing.
- Altitude shall not exceed 6561.68 feet (2000 m).
- Typical heat emission shall be 1057 BTU/hour, and maximum heat emission shall be 85 BTU/hour.
- Idle sound pressure at bystander <32 dBA (idle), operating sound pressure at bystander <46 dBA (printing).

POWER CONSUMPTION

Power Consumption (while building)	~230W
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WORKSTATION REQUIREMENTS

For details, see the Print Wizard and Control Panel Workstation Requirements document available from the Stratasys website.

ELECTRICAL REQUIREMENTS

AC POWER REQUIREMENTS

- 6A at 100-127VAC or 2.5A at 220-240VAC
- 50/60Hz
- 600W dedicated circuit
- The grounded electrical outlet must connect to either a Euro or a US power cord plug provided and must be located within 2 m (80 inches) of the printer.

Operation of the printer outside this range is not recommended; degradation of performance and shortened component life expectancy will be experienced.



Caution: Do not use an extension cord or power strip; doing so can result in intermittent power issues. Connect the power cord directly into the receptacle or UPS.

RECEIVING THE PRINTER

INSPECT CRATE FOR DAMAGE

Before opening the shipping crate, inspect the crate for signs of exterior damage.

Report evidence of excessive damage to Stratasys and the shipping company.

PREPARING FOR INSTALLATION

UNPACKING THE PRINTER

The work area for unpacking the system should be 48 inches (1.22 m) high, 72 inches (1.83 m) wide and 40 inches (1.02 m) deep.

For detailed unpacking and setup instructions, refer to the Mojo Setup Instructions document.

SITE PREPARATION CHECKLIST

ELECTRICAL INSTALLATION REQUIREMENTS

- A dedicated outlet of 6A at 100-127VAC or 2.5A at 220-240VAC 50/60Hz 600W has been installed.
- The grounded electrical outlet is within 2 meters (80 inches) of the printer.
- The grounded electrical outlet is able to accept either a Euro or US power cord plug.

ENVIRONMENTAL REQUIREMENTS

- The site's environmental temperature is between 59°F to 86°F (15°C to 30°C).
- The site's environmental humidity is between 30% to 70%, non-condensing.



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