

**CleanStation DT3  
Support Removal System  
Site Preparation Guide**



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November 2014

DOC-01120 Rev. A

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# 1 Introduction

Use the CleanStation<sup>®</sup> DT3<sup>™</sup> Support Removal System for removing soluble Support material, SUP707, from models printed on Stratasys 3D printers.

## 1.1 About this Guide

The information and requirements provided in this document ensure proper installation and operation of the CleanStation DT3 Support Removal System, manufactured by PM Technologies. The customer is responsible for preparing the site as described in this document.

If you have any questions about the information in this document, contact your Stratasys representative.

All site requirements must be met before the installation date. The Site Preparation Checklist should be faxed to your Stratasys representative. Shipping will be arranged after the signed checklist is received by Stratasys.

Non-compliance with requirements specified in this document may result in additional installation charges.

## 2 Shipment and Delivery

### 2.1 Shipping Information and Responsibility

Stratasys Ltd. will arrange shipment to the customer's facility, as indicated in the "ship to" section of the invoice. It is the customer's responsibility to provide Stratasys with detailed delivery instructions. The customer is also responsible for transporting the system to a suitably prepared installation site.

### 2.2 Shipping Size and Weight

CleanStation DT3 is shipped in a shipping box with the following dimensions:

Table 1 CleanStation DT3 shipping box size and weight

<b>W x H x D (cm)</b>	<b>W x H x D (in)</b>	<b>Weight</b>
64 x 61 x 64	25 x 24 x 25	37 kg / 81.5 lbs

## 3 Physical Description



Figure 1 CleanStation DT3

### 3.1 Size and Weight

The following table shows the size and weight of CleanStation DT3.

Table 2 CleanStation DT3 Size and Weight

	W x H x D (cm)	W x H x D (in)	Weight (empty)
Outside dimensions	60 x 49 x 54	23.6 x 19.3 x 21.2	30 kg / 66 lbs
Inside dimensions	31 x 28 x 25.8	12.2 x 11 x 10.2	
Model size (maximum)	30.5 x 25.4 x 25.4	12 x 10 x 10	

### 3.2 Tank Capacity

The following table shows the tank capacity of CleanStation DT3:

Table 3 Capacity of the CleanStation DT3 tank

Capacity (Litres)	Capacity (Gallons)
22.5	6

## 4 Site Requirements

The following factors should be considered when choosing a suitable location for CleanStation DT3:

- Proximity to the Stratasys 3D printer.  
To avoid water damage to the printer, install CleanStation DT3 in another room or at least 5 meters (16.5 feet) away from the printer.
- Proximity to an area where models can be soaked in caustic soda (sodium hydroxide), and where they can dry after CleanStation DT3 treatment.

### 4.1 CleanStation DT3 Support Table/Counter Specifications

The recommended height of the table/counter is 80 cm (31 inches). This brings CleanStation DT3 to a height of 129 cm (50.79 inches) at arm level for the average person.

The support table or counter must be capable of supporting a load of at least 55 kg (121 lbs). The table must be level.



#### **Warning: Lifting Hazard**

Two people are required to lift the WaterJet unit onto the table.

### 4.2 Positioning

Make sure to maintain a minimum of 30 cm (12 inches) around the CleanStation DT3 at all times for proper ventilation.

### 4.3 Drain

The waste water from the unit typically empties into the building's drainage system. Therefore, you must prepare a suitable drain near the unit. It is recommended that you locate the drain pipe behind the unit and below the drain outlet on CleanStation DT3.

Prepare a 3/4 inch drain hose and hose clamp for the drain.



Dispose of the waste water according to local regulations. Prepare the waste disposal system accordingly.

### 4.4 Floor

It is recommended that the floor around the CleanStation DT3 have a non-slip surface because water may drip from models after cleaning.

## 4.5 Power

An electrical outlet must be available near the CleanStation DT3, preferably in back of the unit, to reduce the chances of water spraying on the outlet.

The following table describes the recommended power range for different geographical regions.

Table 4 Power ranges for different regions

	<b>Voltage</b>	<b>Power Consumption</b>	<b>Fuse Class</b>
USA	110–120 VAC 50/60 Hz	2.3 Amps	CC 5 Amp
Europe	220–240 VAC 50/60 Hz	1.8 Amps	CC 3 Amp
Japan	95–105 VAC 50/60 Hz	4.2 Amps	CC 6 Amp

## 4.6 Grounding

The CleanStation DT3 is grounded through the AC plug. Make sure that the ground connector in the wall outlet is properly grounded, in accordance with your local electrical codes.



## 5 Technical Specifications

The following table provides the specifications for the CleanStation DT3 Support Removal System Site Preparation Guide and the water pressure pump.

Table 5 Technical Specifications

<b>CleanStation DT3 Support Removal System Site Preparation Guide</b>	
Drain	3/4 inch drain hose
Water consumption	Output: 64 liters (17 gallons) per minute
Circulation:	167% per minute
Water operating temperature	30°C (86°F)
Ambient temperature	20°C–23°C (68°F–73°F)
Humidity	30%–80% (optimum: 55%)
Pollution degree	2

## 6 Checklist

Dear customer,

After preparing your site for the installation of the CleanStation DT3 Support Removal System Site Preparation Guide, please complete the customer information and the checklist below, and fax it to your Stratasys representative.

Consult with your representative if you have any questions related to site preparation and the checklist.

This form must be received and approved before installation and training are scheduled, and before Stratasys service personnel are sent to your site.

### 6.1 Customer Information

Company Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone No.: \_\_\_\_\_ Fax No.: \_\_\_\_\_

E-mail: \_\_\_\_\_

### 6.2 Checklist

Item	Completed According to Spec?		Notes
	Yes	No	
Table/counter top (on page 7)	<input type="checkbox"/>	<input type="checkbox"/>	
Positioning (on page 7)	<input type="checkbox"/>	<input type="checkbox"/>	
Drain (on page 7)	<input type="checkbox"/>	<input type="checkbox"/>	
3/4 inch drain hose and clamp (on page 7)	<input type="checkbox"/>	<input type="checkbox"/>	
Floor (on page 7)	<input type="checkbox"/>	<input type="checkbox"/>	
Power (on page 8)	<input type="checkbox"/>	<input type="checkbox"/>	
Grounding (on page 8)	<input type="checkbox"/>	<input type="checkbox"/>	