



Smile Designs By Rego

Printing a Color Model Using 3Shape Dental System®

Overview

This document describes guidelines for preparing and printing full-color dental models using 3Shape Dental System® software and GrabCAD Print™. It enables J5 DentaJet™ users to benefit from an end-to-end workflow from an intraoral scan to a full-color printed model.

- A. Minimum Requirements
- B. Importing the Stratasys Properties File into 3Shape Dental System
- C. Creating a Color Model
- D. Printing a Color Model



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Guidelines

A. Minimum Requirements

To use the 3Shape Color Model System profile with the J5 DentaJet™ printer, the following applications and versions are required:

Supported Printer	J5 DentaJet™
Model Materials	Load the following materials into the printer: VeroDent™ PureWhite, VeroYellow™V, VeroMagenta™V, and VeroCyan™V
3Shape Dental System Version	2022
Stratasys Properties File	Stratasys Full Color Models_V1.dme
GrabCAD Print Version	V1.71 to use the 3Shape Color Model Profile with the J5 DentaJet printer

B. Importing the Stratasys Properties File into 3Shape Dental System

1. Open 3Shape Dental System Control Panel.
2. Go to *Tool > Import/Export* and select **Import materials**.
3. Locate and select **Stratasys Full Color Models_V1.dme** and then import the file.
4. Save and close 3Shape Dental System Control Panel.

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C. Creating a Color Model

- After scanning a patient's mouth using an intraoral scanner (IOS), a new order form is created in 3Shape Dental Manager.

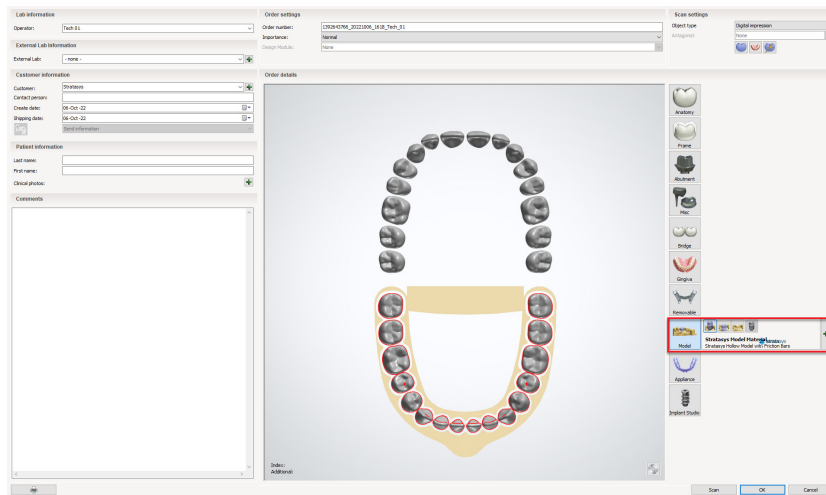


Figure 1: Order Form with model settings

- In the *CAD Settings*, select one of these options:
 - *Stratays Hollow Model <with or w/o> Friction Bars*
 - *Stratays Solid Model <with or w/o> Friction Bars*

Note: The *Friction Bars* option is relevant when using a die.

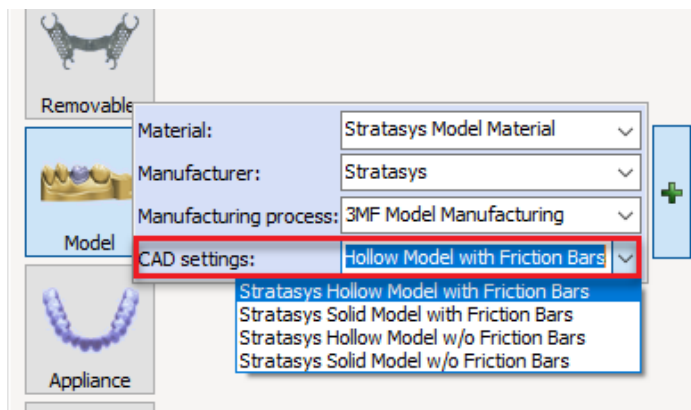


Figure 2: Model settings



Figure 3: Hollow model

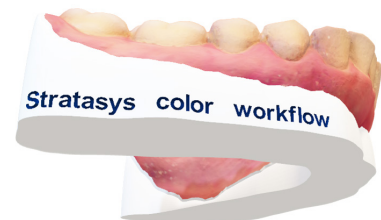


Figure 4: Solid model

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- Continue with your regular workflow to create a dental model.
- In the *Orders* tab, *Case ID* list, right-click the *CaseID*. From *Advanced* options, select **Explore CAM**.

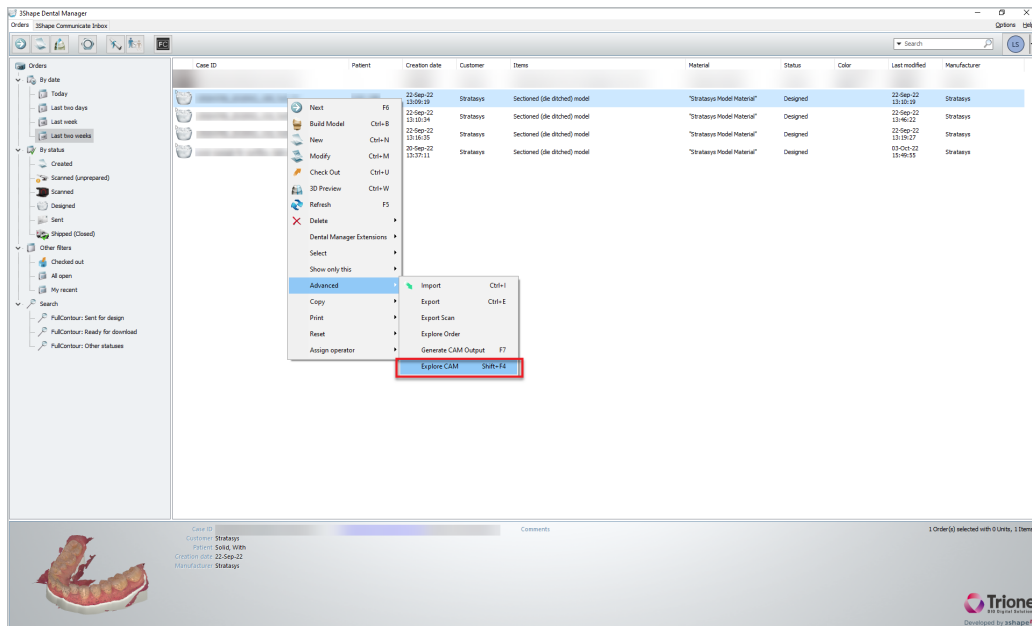


Figure 5: 3Shape Dental Manager – Explore CAM option

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D. Printing a Color Model

- In GrabCAD Print:
 - Verify that all 4 color materials are loaded in the J5 DentaJet printer: VeroDent PureWhite, VeroYellow-V, VeroMagenta-V, and VeroCyan-V.
 - In *Tray Settings* > *Color Profile*, select **3Shape Color Model Profile**.

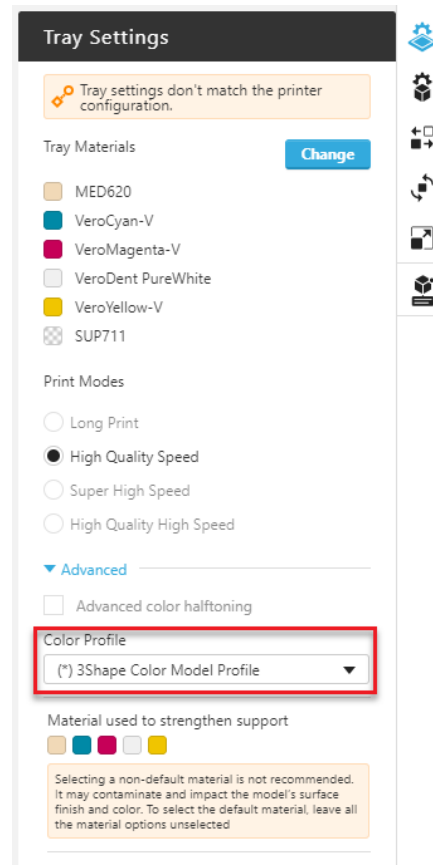


Figure 6: GrabCAD Print – Tray settings and Color Profile

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