

## BlueDent \_ Fast Dental Model

For all LCD and DLP 3d printers (385-405)

### PRODUCT FEATURES

HIGH ACCURACY AND DIMENSIONAL STABILITY

FAST PRINTING SPEED

SUITABLE FOR VACUUM FORMING (Thermoforming, Vacuum Forming and Pressure Forming), DIES and DENTAL PROTOTYPES

MATTE FINISHING FOR BETTER DETAILS

CERAMIC BASED RESIN FOR SMOOTH SURFACES WITH HARD FINISH (NOT BRITTLE) FOR DENTAL MODEL POST PROCESSING

- BD Fast Dental Model have been developed in collaboration with dental experts. Without shrinkage, extreme accuracy and dimensional stability, it is ideal for the production of dental models, thermoforming models and aligners.
- The matte surface finish brings out details, allowing perfect undercuts to be seen and making perfect surfaces for scanning. 3D printed parts have exceptional dimensional stability.
- The opaque color was developed in order to ease technician eyes during long time processes
- Fast Dental Model resin it can be used on all open source SLA, MSLA / LCD and DLP 3D printers.



## QUICK START GUIDE FOR LCD PRINTERS

BD Fast Dental Model resin is fully compatible with all LCD printers (RGB and Monochromatic) and DLP machines.

For best results we suggest to use a resin tank provided with high quality FEP (FEP 100 OR 127 HD are suggested).

In case of particular climatic conditions (such as in case of room temperature inferior to 18°C) it is suggested to preheat the resin. If the resin has been sitting for a long time into the tank, use the putty knife to ensure it is thoroughly mixed.

Filter the resin before each use is suggested, in order to avoid any damage to LCD screen.

The platform adhesion is perfect and permit to print multiples files in the same time.

## HOW TO PREPARE THE PRINTING FILE

With BlueCast Fast Dental Model you can easy arranging the models directly on the platform: you will save resin and time.

It is also possible to print allowed models. When you do this remember to make the drains holes to permit the resin exit and avoid the suction effect.

For the dies and allowed models supports is suggested to use a medium preset: pillar size 1mm (diameter) / tip size 0.6mm (diameter).

For DIES we suggest to set the gap/tolerance at 30u





## SUGGESTED PRINTING SETTINGS

**We don't provide official after sales service for the machines not listed below. The settings are specifically developed for Chitubox slicer.**

Click the link to open the web printing profiles folder

**[CHITUBOX PRINTING PROFILES](#)**

### POST-PRINTING CLEANUP

Clean the prints by immersion into 91%/99% denatured alcohol (IPA) or ethyl alcohol 90%/99% (approximately 3 minute).

Dry and clean the pieces using a can of compressed air for best results.

UV Cure the models for 10 min with a 40 Watt lamp – 3 min with a 100 Watt lamp