Steps for Crown & Bridge Model Preparation

Practical Handout
Stage 3
Equipment Required

- Planeline articulator
- Model Release Key
- Crown & Bridge Saw
- Micro Motor
- X-Cut Tungsten Bur
- Scalpel with sharp blade
- Red pencil & Die Hardener

Model Release Key
Crown & Bridge Saw
Planeline articulator
Micro Motor
X-Cut Tungsten Bur
Scalpel with sharp blade
Red pencil & Die Hardener
Models

All Crown & Bridge Models have been through strict *Infection Control* procedures.
Step 1

Articulate your models using a planeline articulator.

Your teacher will join your models together.
IMPORTANT NOTE

Make sure that the die stone models remain dry when articulating.

DO NOT WET THE MODELS

Models can not be sectioned while wet using Resi-Rock die stone material.
Step 2

Work on one model at a time.

Gently place *Model Release Key* into the location holes in the white plastic base plate.
Step 3

Gently turn the *Model Release Key* to remove the die stone dental arch from the white plastic base plate.
Step 4

A) Remove white plastic cap if needed.

B) Using a X-cut Tungsten trim excess die stone on dental arch and smooth any rough areas.
Step 5

Draw guide lines using a 2B pencil on model ready for sawing.
Step 6

Sectioning of the model

Carefully saw model following scribed line while avoiding the margin and prepared tooth.
Step 7

Remove die stone dust and clean model.
Step 8

Trimming the Die

Trim the bulk around the margin of tooth using a X-cut tungsten. Close to the margin finish trimming with a scalpel.
Step 9 & 10

Mark margin of die with red pencil.

Paint die and abutment teeth with die hardener.
Step 11
Clean dust & dirt from die stone pieces. Clean white base plate and metal pins with warm soapy water.

Re-assemble model ensuring there is no gaps between the die stone & white base plate.
Model Preparation Complete

Place assembled Crown & Bridge models back onto the articulator ready to start work.