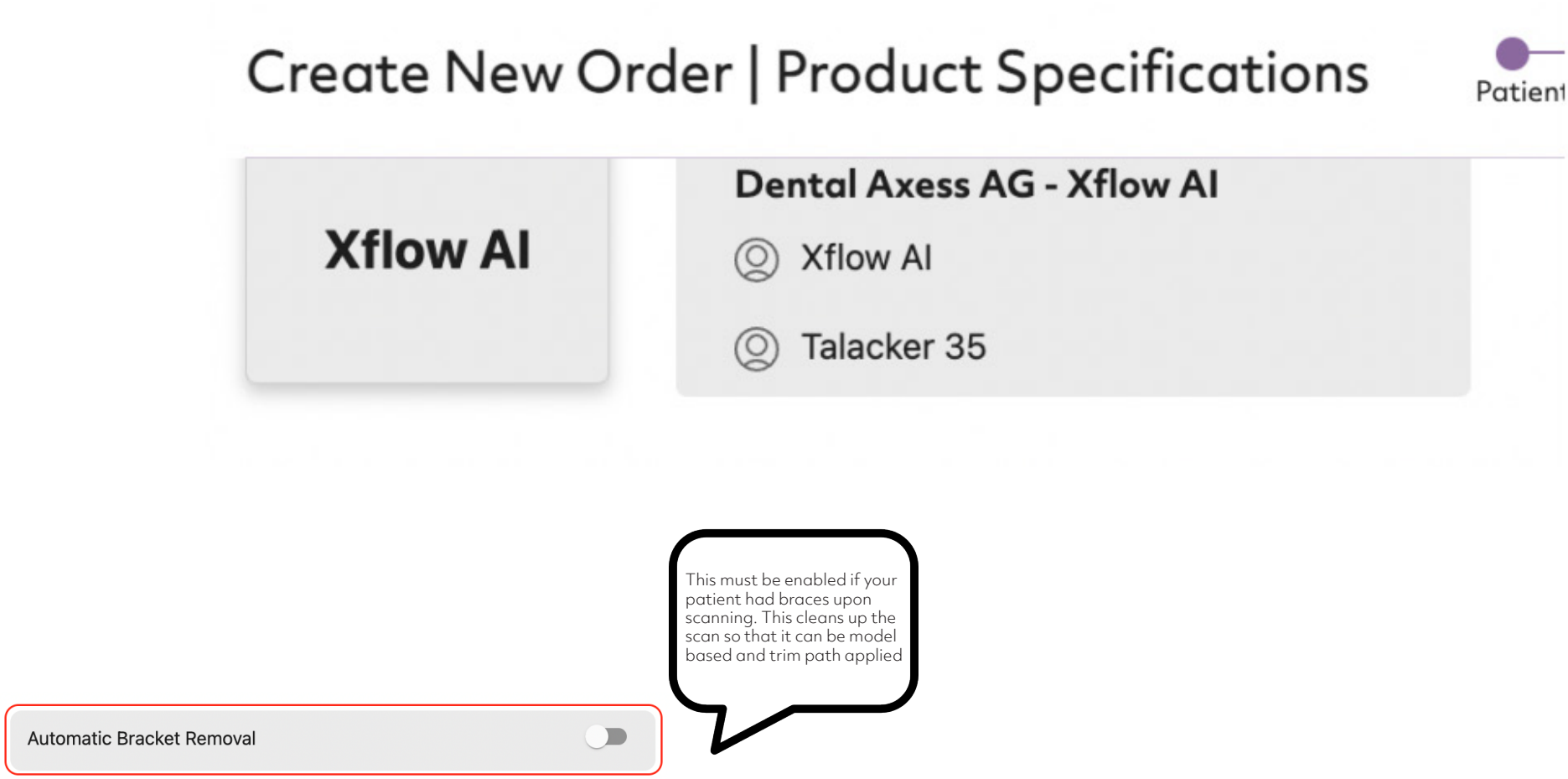
Xflow AI Services Configurations Help Guide - Step by Step Guide



Automatic Model Basing

This must always be enabled when using automated trim path generation

All the below settings relate to Model Basing configurations and is defaulted to recommended settings

Automatic Model Basing	
Trim Horseshoe	
Trim Margin (0.1mm - 6.0mm)	2.5
Base Margin (0.1mm - 10.0mm)	2
Base Thickness (2.0mm - 3.0mm)	2.5
Base Drain Height (0.5mm - 3.0mm)	2
Base Drain Width (3.0mm - 10.0mm)	6
Base Label	Filename
Base Side Label	
Base Block Label	
Base Z Axis Aligned	
Base Extrude Palate	
Base Bevel	
Base Keep Occlusion	

1. Toggle on for Horseshoe or off for full palate
2. Width of the gingival tissue
3. Height of the added base material
4. Related to hollow bases: width of the wall of the base 5mm is essentially a solid base
5. This relates to the height of drain holes used to drain out resin (can not be applied to solid bases)
5. This relates to the width of drain holes used to drain out resin (can not be applied to solid bases)

Defines what is printed (Filename`prints STL file name)

Hollow models must have side labels (see next page for more info on labels)

If less than 8 characters, this will be place in the middle of the model. If more than 8, it'll place on the side

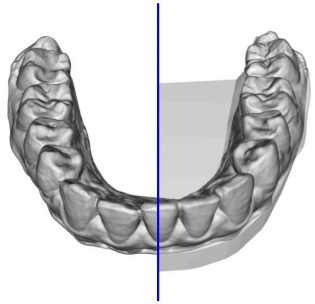
Optimal for 3D printing, sets Z axis for 0

6. Creates a flat back at edge of the base

Adds a transition edge between the gingival tissue and the added base (*If not selected, there will be a smooth transition between these two*

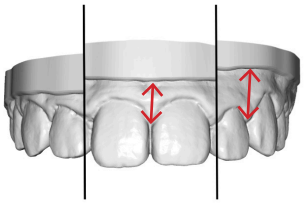
If this is selected, it does not rotate model to minimise resin usage (won't set Z to 0)

1



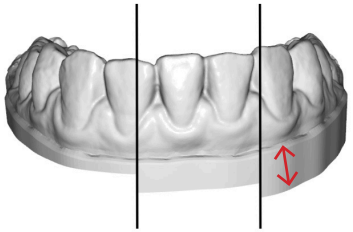
Full Palate Base

2



Trim Margin: 1mm, 3mm, 5mm

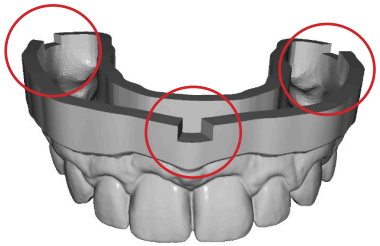
3



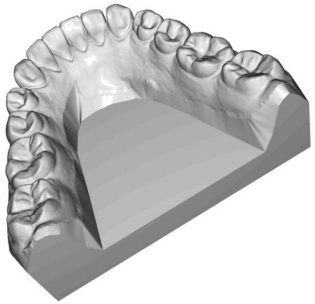
Base Margin: 1mm, 3mm, 5mm

4

5



6



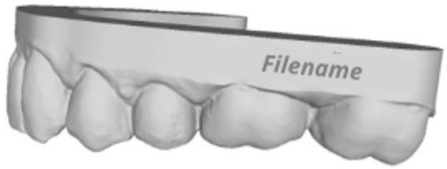
Labeling Options

Base Label

File names are placed on the base of models and labels are automatically adjusted based on the length of the label text to ensure all necessary characters are captured.

* 20 Character Limit*

Block Label



Emboss your model in the middle with its own block!

8 Character Limit

Side Label

Based on the length of the label text, file names are placed on the side of models and are automatically adjusted to ensure all necessary characters are captured.

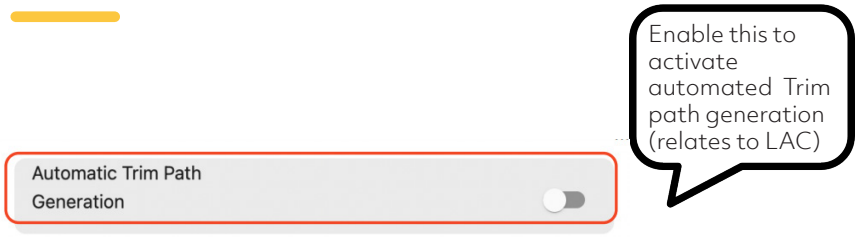
14 Character Limit

Side Block Label

Emboss your model on the side with its own block! The block will automatically adjust in size to fit the desired file name.

24 Character Limit

Automatic Trim Path



All the below settings relate to Trim path generation configurations and is defaulted to recommended settings

The lower this is, the closer the trim path will be to the teeth

Vector points that tells the machine where to cut which essentially creates optimal points. Recommend on unless having viewing issues

On if the trim path should go around the back of the molar. off if the trim path should go through the middle of the molar. Default value is off

Distance from the gingival margin of the molar the trim path should be routed. Only applied if ‚Preserve Molars' is on. Recommended value: 2.5mm. (How close do we get to the gingival tissue)

What doesn't process well?

- PreBased Scans
- Large Files (over 40MB)
- Poor Quality Scans
  - Missing Scan Data
  - Missing multiple teeth
  - Extra Scan Artifacts
- Quadrant Scans (needs to be full arches)
- Bands & Wires (still 95% success rate)