



GO NATURAL..... DIGITALLY!

# IMPLANT SURGICAL GUIDE



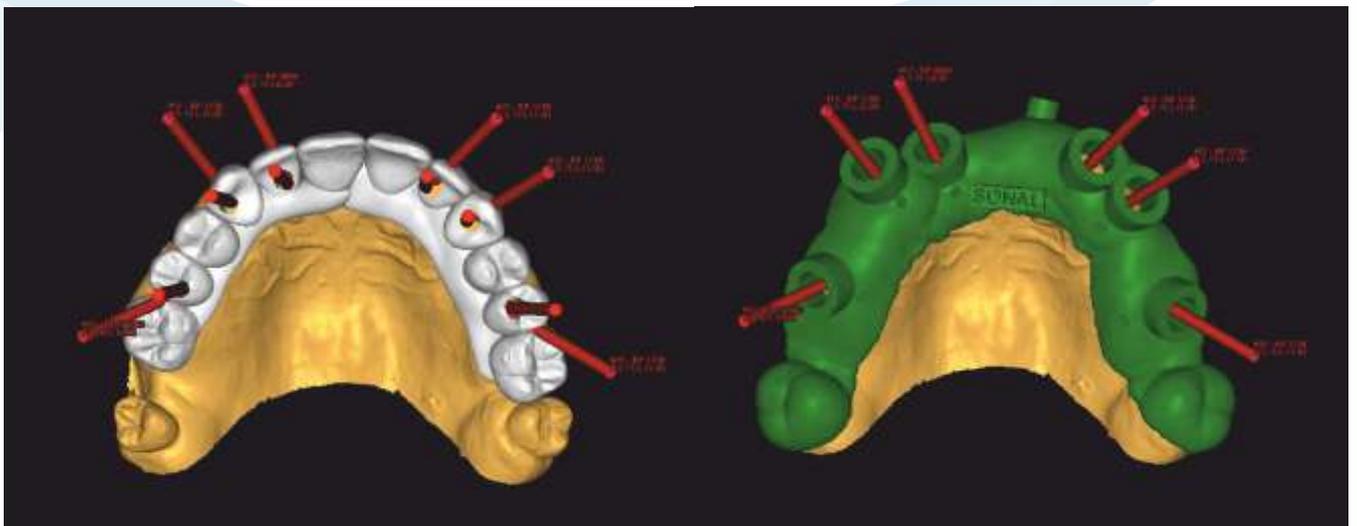
## BEGIN WITH THE END IN MIND!

All that **ends well must be planned well ahead in time**. Facially driven 3D treatment planning with reverse engineering using artificial intelligence is the game changer in the field of dentistry today.

Richsmile Design (RSD) began with the thought process that - every patient is unique and deserves a bespoke tailored Smile. With the newer advances available in material science and digital dentistry workflows today, one doesn't need to possess exclusive hand skills or spend on expensive technologies to deliver extraordinary dentistry to their patients.

We are a team of thought leaders, clinical experts, and digital and lab experts with years of experience and respective domain expertise. We have joined hands to spread the concept of 'copy-paste natural dentistry' - the new norm of today's digital dentistry era and integrate it into dental practices in India and worldwide, to help dentists achieve great results predictably and consistently. **3D treatment planning and Natural restorations concepts** are the backbones of RSD full Digital workflow.

Richsmile Design is an end-to-end esthetic functional rehabilitation solution designed for dentists. RSD strives to help you integrate digital workflows seamlessly into your daily practice, simplify treatment planning and execution, achieve precise and predictable results, and make life changing dentistry a daily norm .



# FACIALLY DRIVEN AESTHETICS- AESTHETICALLY DRIVEN PROSTHETICS - PROSTHETICALLY GUIDED IMPLANT SURGERY



Dental Implants have changed the face of dentistry since few decades. Dental implants being the constantly evolving segment of dentistry, it is high time that digital dentistry should come to its rescue. However, to master it with high success rates is still unpredictable. A computer-generated implant surgical guide is the answer to the uncertainty encased with implant treatment. It provides a link between facially driven treatment plan and the actual surgery by transferring the simulated plan accurately to surgical site.

RSD planning considers face as the starting point for aesthetic and prosthetic rehabilitation. It reverses the conventional guided implant placement process with a crown-down approach. With this method, the outcome lies at the heart of the workflow, driving the process from start to finish. With this approach, there are no unwanted surprises at the restorative end of the process. At RSD, for full mouth implant cases; aesthetically driven prosthetic planning based on natural restoration concept is done before implant planning.

## HOW SURGICAL GUIDE MAKES A DIFFERENCE:

*A computer-generated surgical guide provides a link between treatment plan and the actual surgery.*

- Transferring the simulated plan accurately to surgical site.
- Prosthetically driven Precise and accurate implant placement.
- Depth & angulation of dental implants are controlled.
- Reduce or eliminate unexpected events during surgery
- Shorter appointment times
- Ensure vital anatomical structures are at safe distance

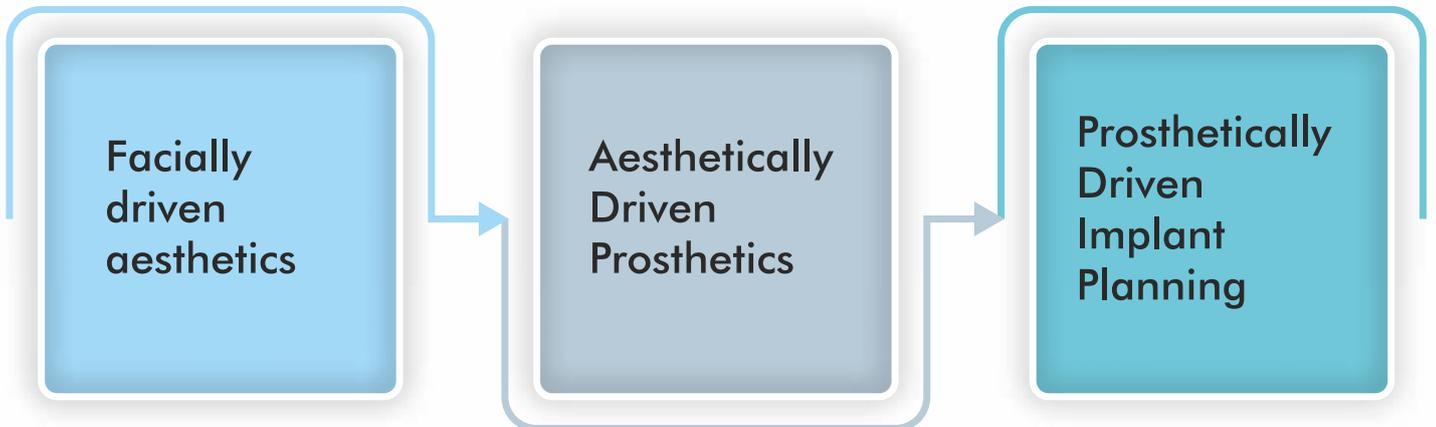
*How does computer guided surgery enhances patient comfort & acceptance:*

- Minimally invasive pinhole surgery.
- Better patient compliance post surgery.
- Minimal post operative complications.
- Less treatment time.

RSD planing bridges the gap between aesthetics and conventional prosthetically guided Implant surgery by integrating facially driven natural restorations planning.

# WHAT'S DIFFERENT WITH RSD IMPLANT GUIDE

ONE OF ITS KIND ONLY AT RSD



## PRE-REQUISITE FOR SURGICAL GUIDE FABRICATION AT RSD:

### ● ***Tooth-Supported Single Implant Cases***

1. Patient CBCT scan (Dicom format\*)
2. Intraoral Scans/ Impressions

### ● ***Full Mouth Implant Cases***

1. Patient photos & videos as per RSD protocol
2. Patient CBCT scan (Dicom format\*)
3. Intraoral Scans/ Impressions

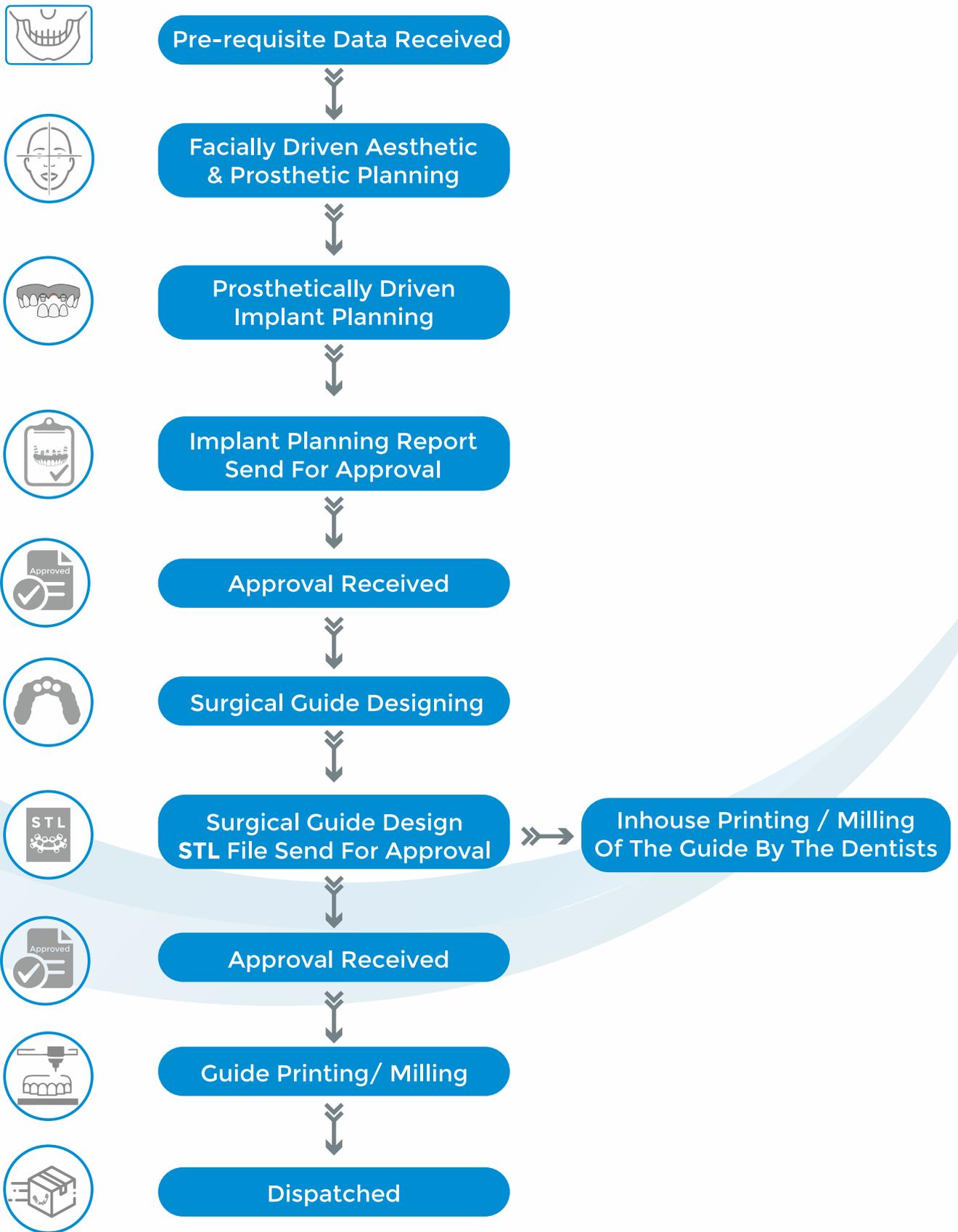
### ● ***Tissue-Supported / Edentulous Implant Cases***

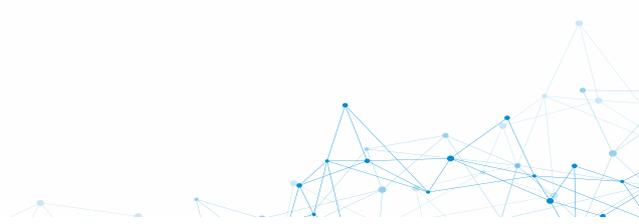
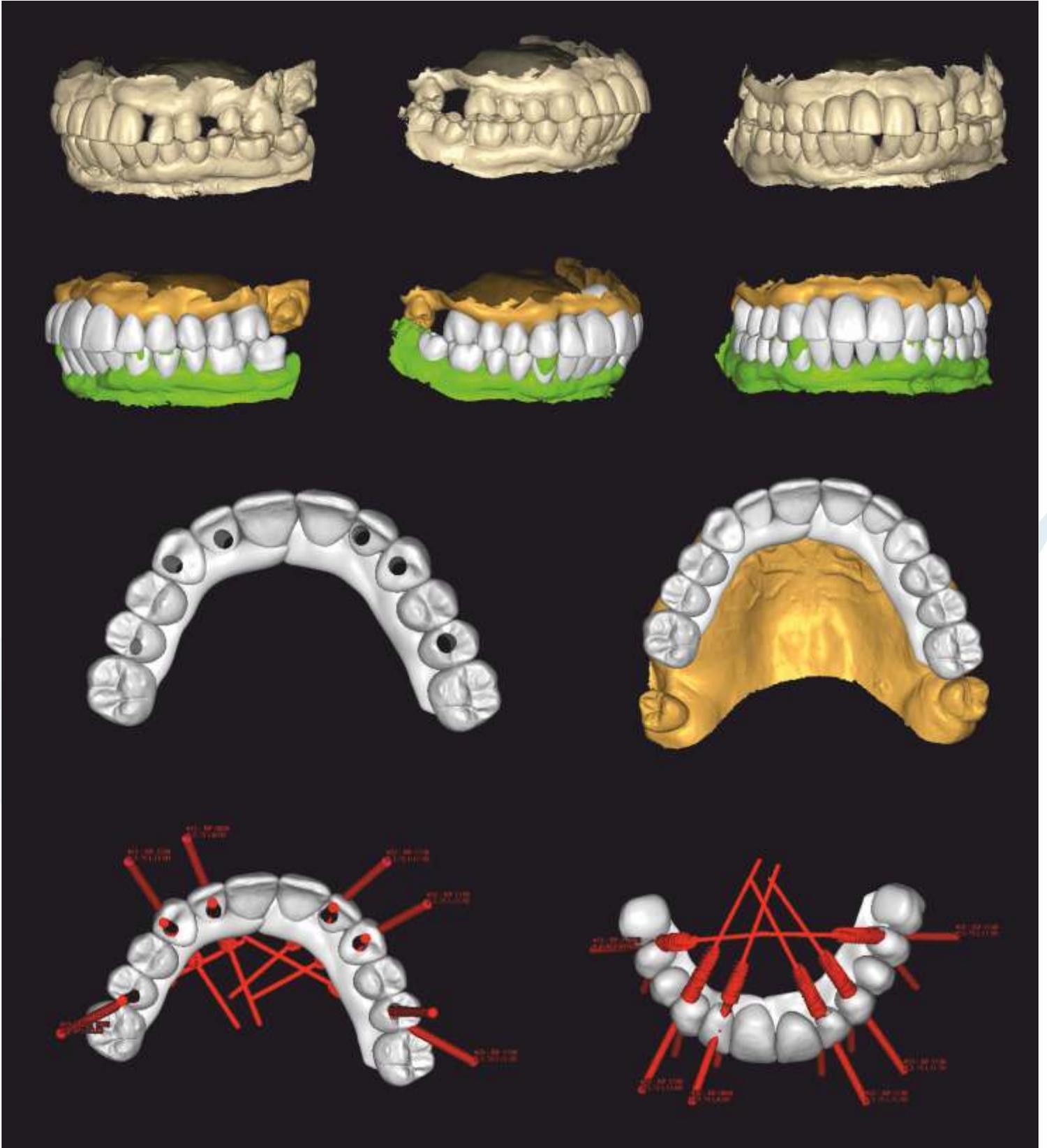
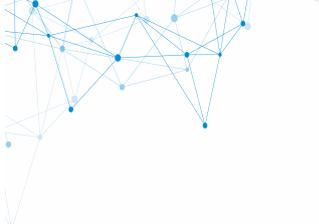
1. Patient photos & videos as per RSD protocol
2. Patient CBCT scan with denture having radiographic marker (Dicom format\*)
3. CBCT of Patient Denture with radiographic marker
4. Intraoral Scans/ impressions

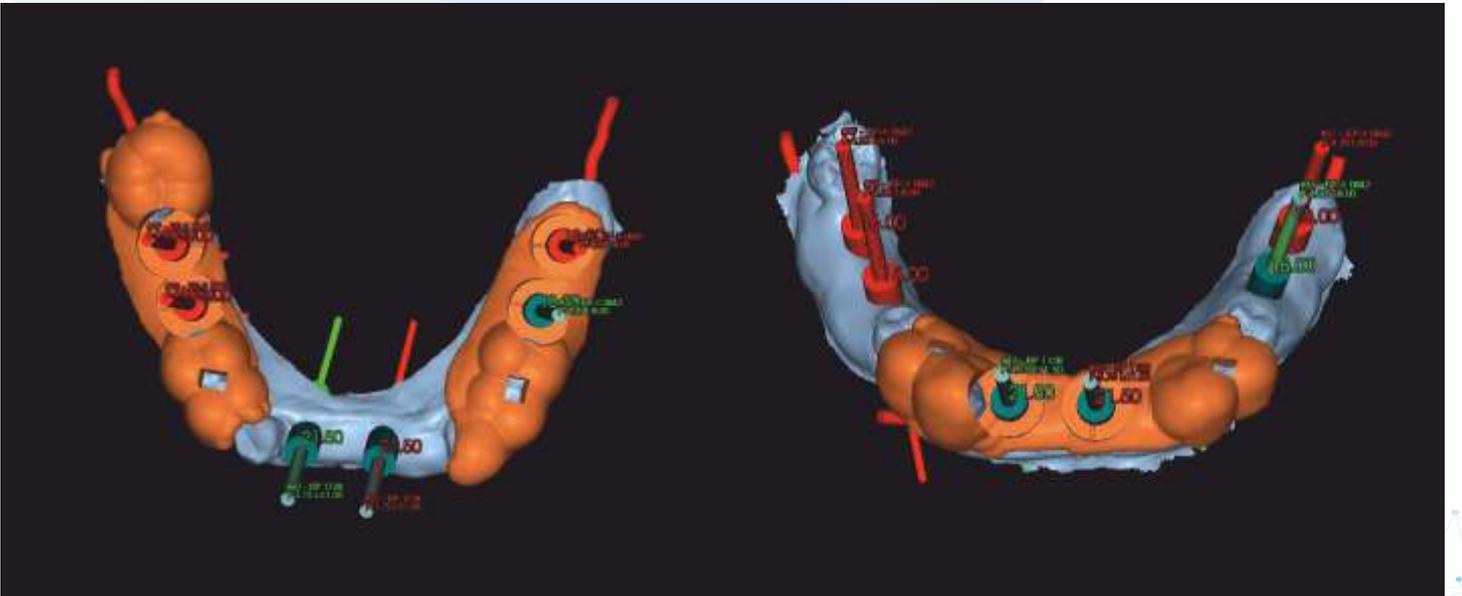
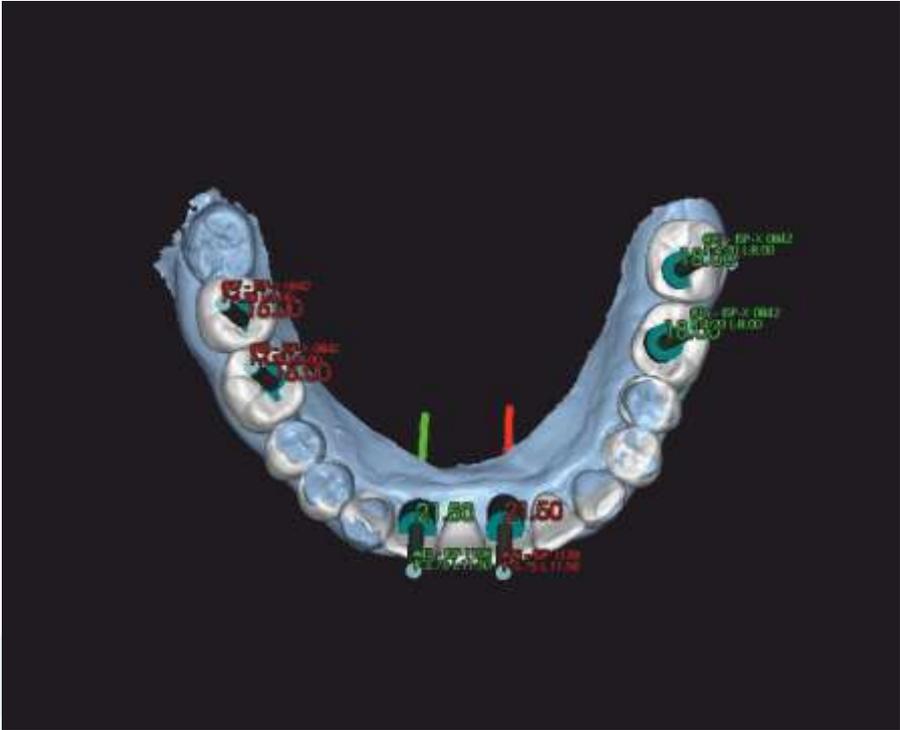
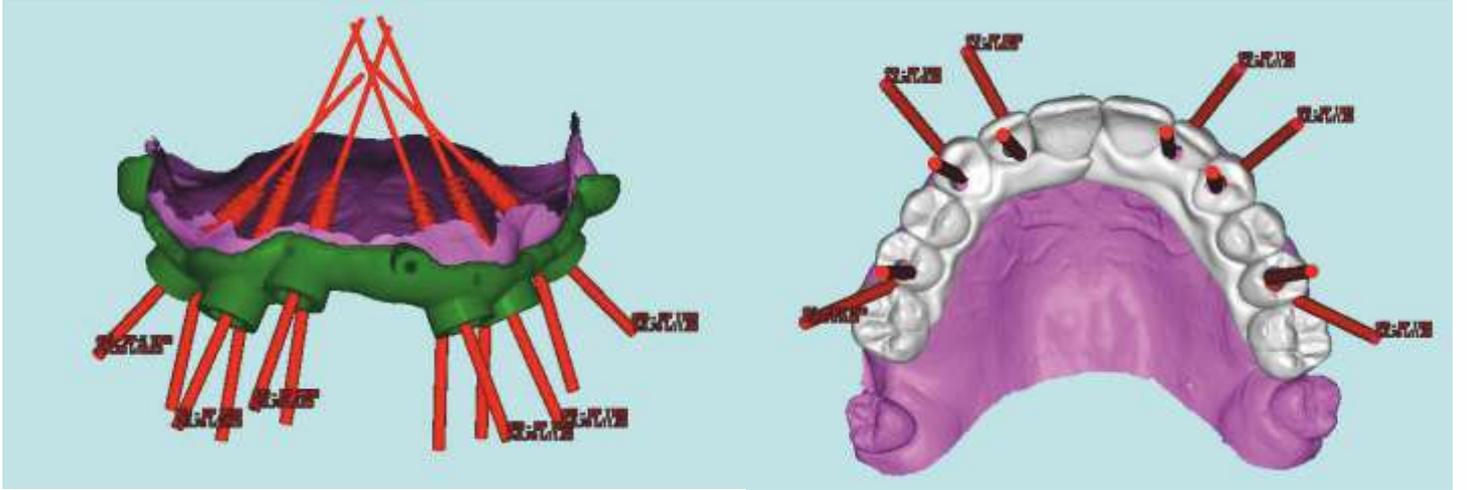
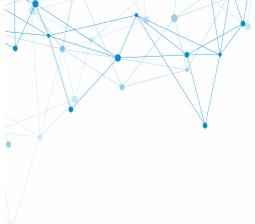
*\*Size- 16 bit ( both compressed & non-compressed images)*

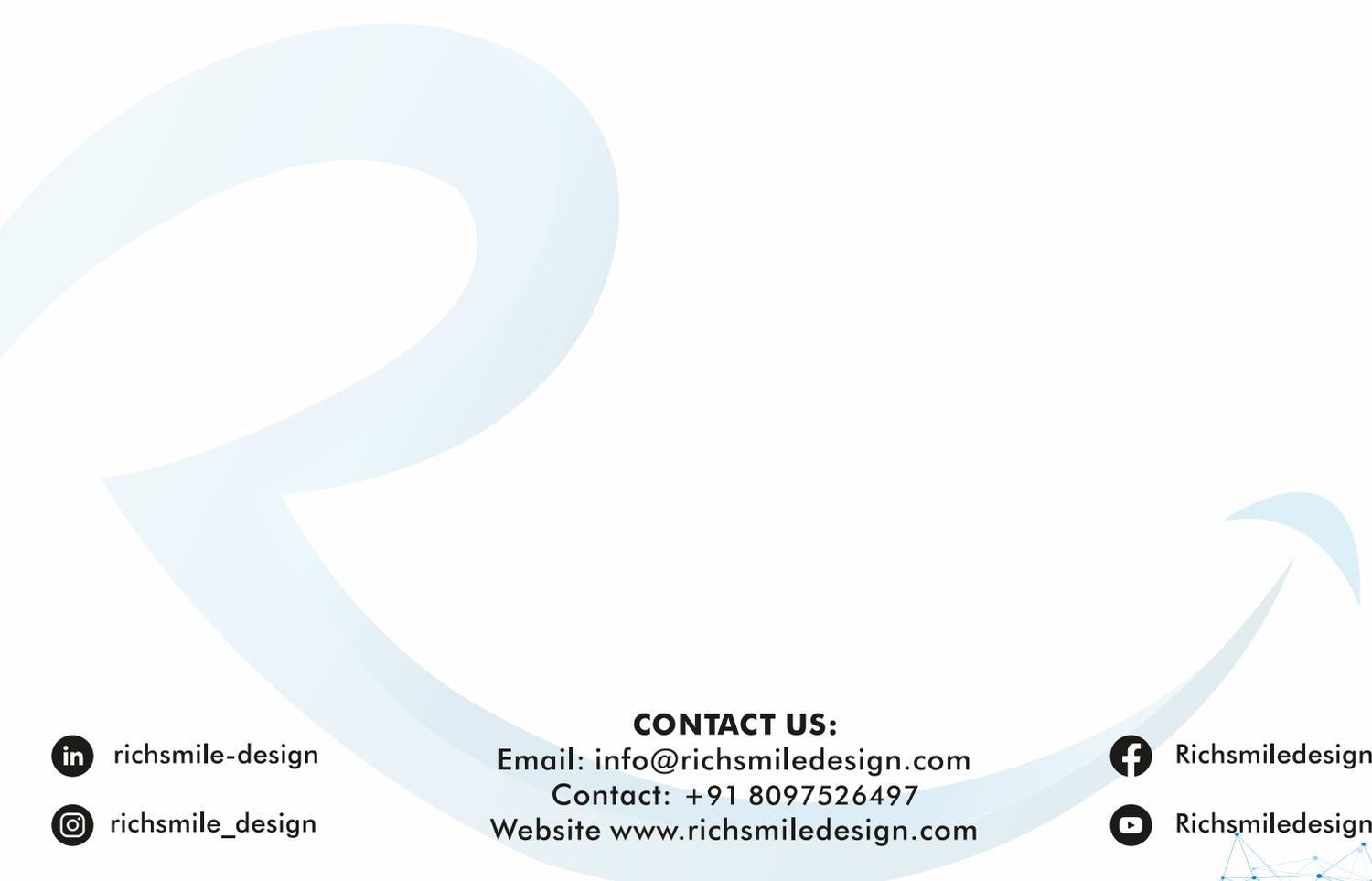
*\*The distance between the layers in file should be 0.300mm*

# RSD WOKFLOW FOR SURGICAL GUIDE









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