

Single Implant abutments - Digital Workflow

1. Initial impression Pre-Operative

Intra Oral Scan (IOS) of both arches, then transmit files to lab.

Figure 11

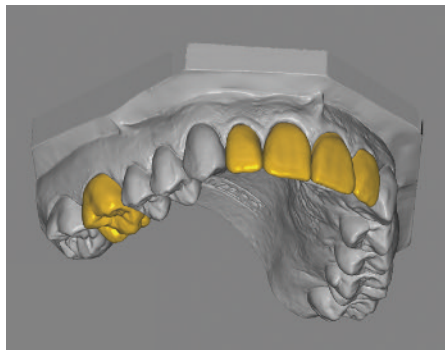


2. Scanning Appliance

From Lab - Digital Wax-up

From Lab - Printing of CT Scanning appliance, with radio opaque teeth in the proposed implant position(s).

Figure 12 & 13



4. CT Scanning appointment

Patient appointment for CBCT scan with scanning appliance.

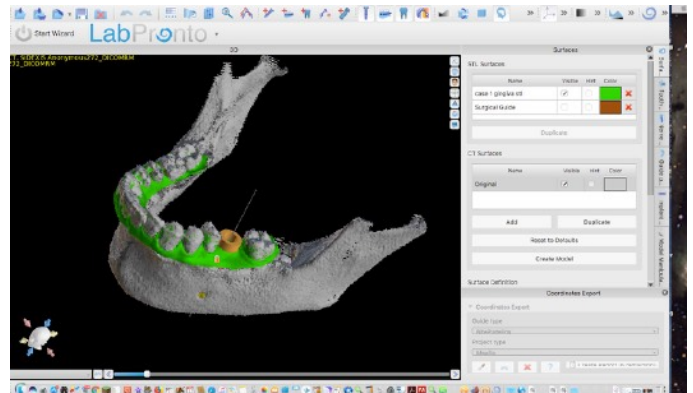
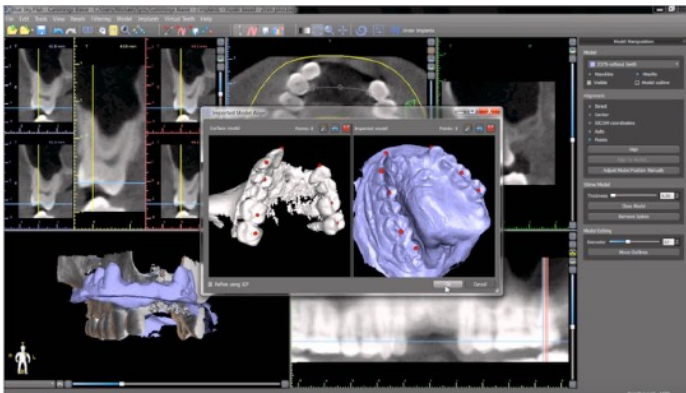
Figure 14



5. Digital Surgery Planning

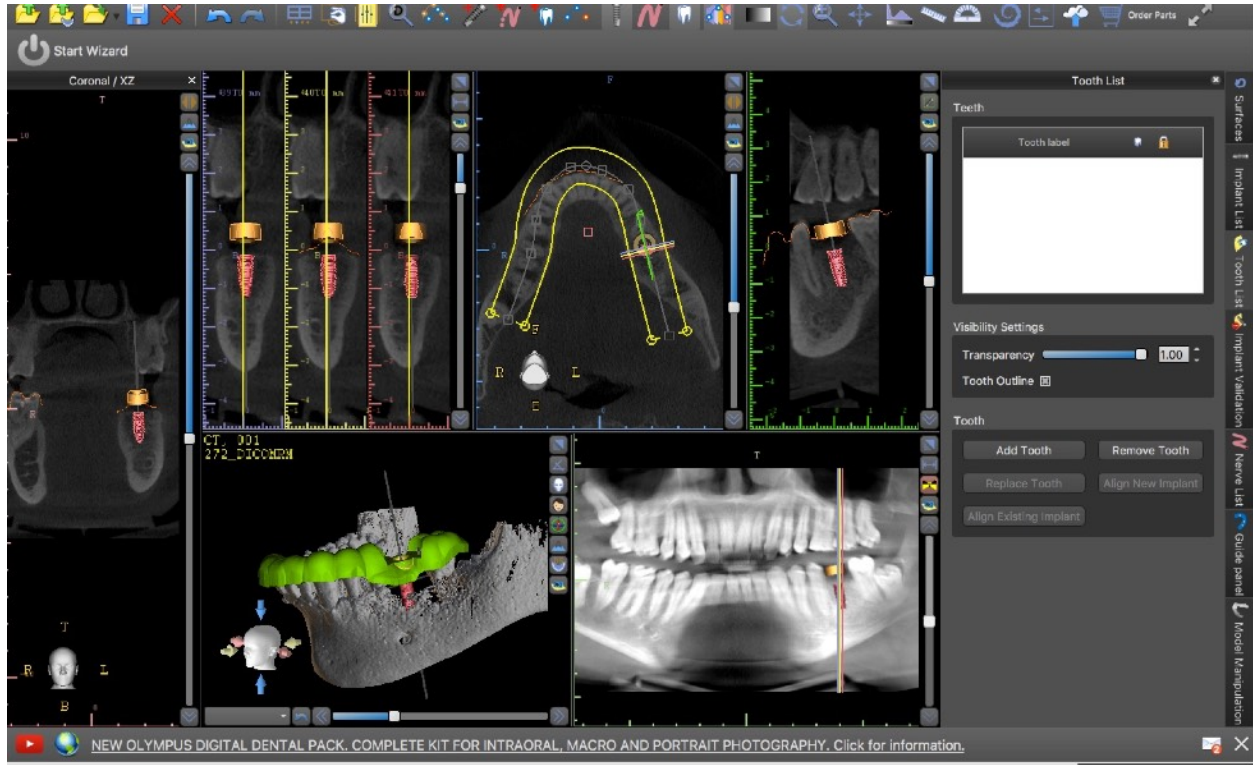
1. Merge CT scan (DICOM file - .dcm) with .stl of arch model

Figure 14 & 16



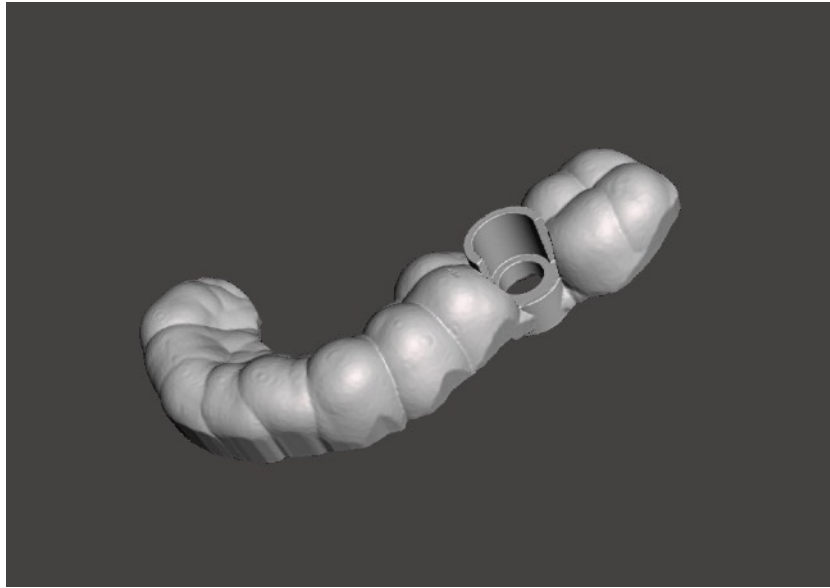
2. Plan surgery and design guide in planning software. Blue Sky Plan or Galileos Implant are 2 known software solutions that have the ability to export a .stl file for the completed guide, which is required to fabricate a surgical guide in an open system.

Figure 17



3. Export guide .stl file for fabrication, transmit .stl file to lab.

Figure 18



4. Guided Surgery Appliance

From Lab - Guided Surgery Appliance

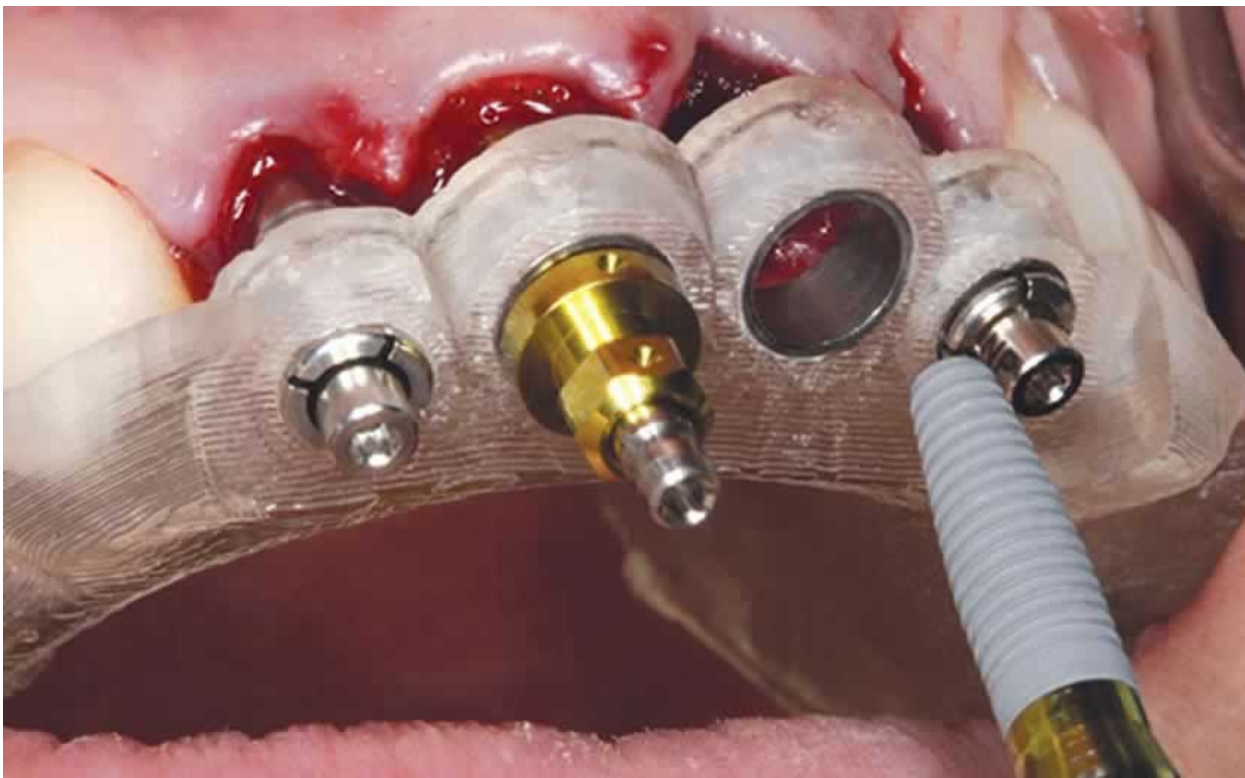
Figure 19



5. Fully Guided Implant Surgery

Using Guided Surgery Appliance is used in conjunction with fully guided surgical kit to perform the osteotomy and place the implant(s).

Figure 20 & 21



Healing Cap

The healing cap can be used to shape tissue creating the desired emergence and support papilla between the teeth and the implant restoration.

Figure 22 & 23



6. IOS Implant Scan Body Impression

Figure 24

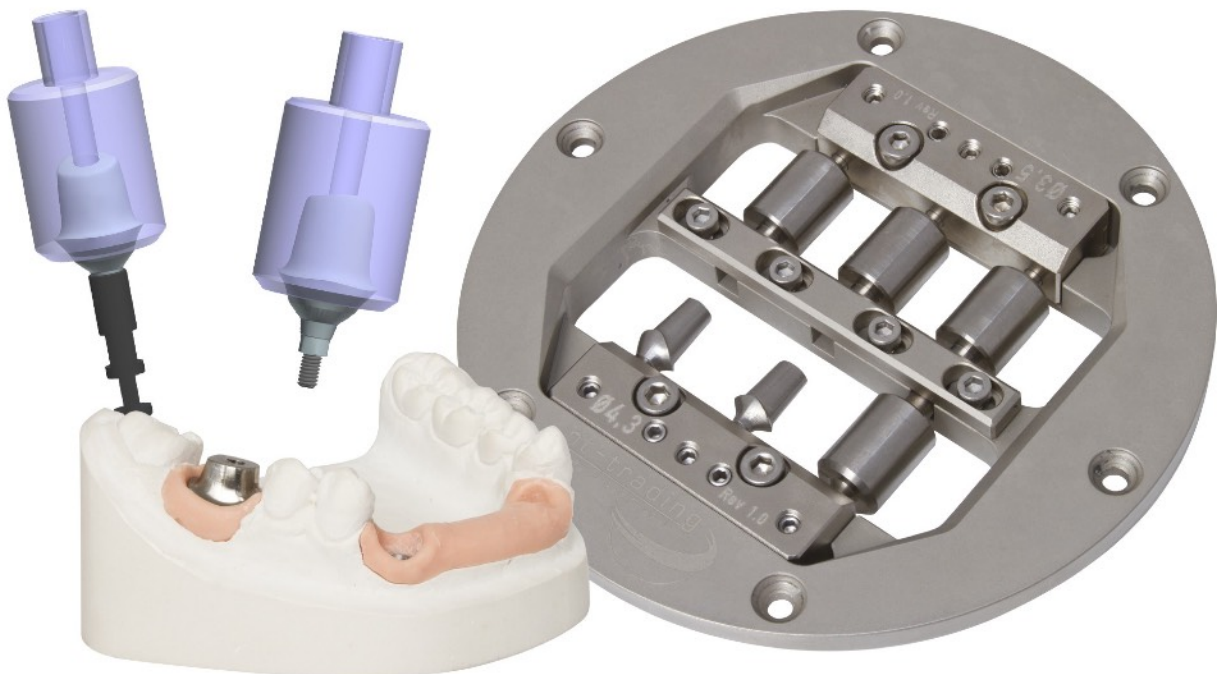
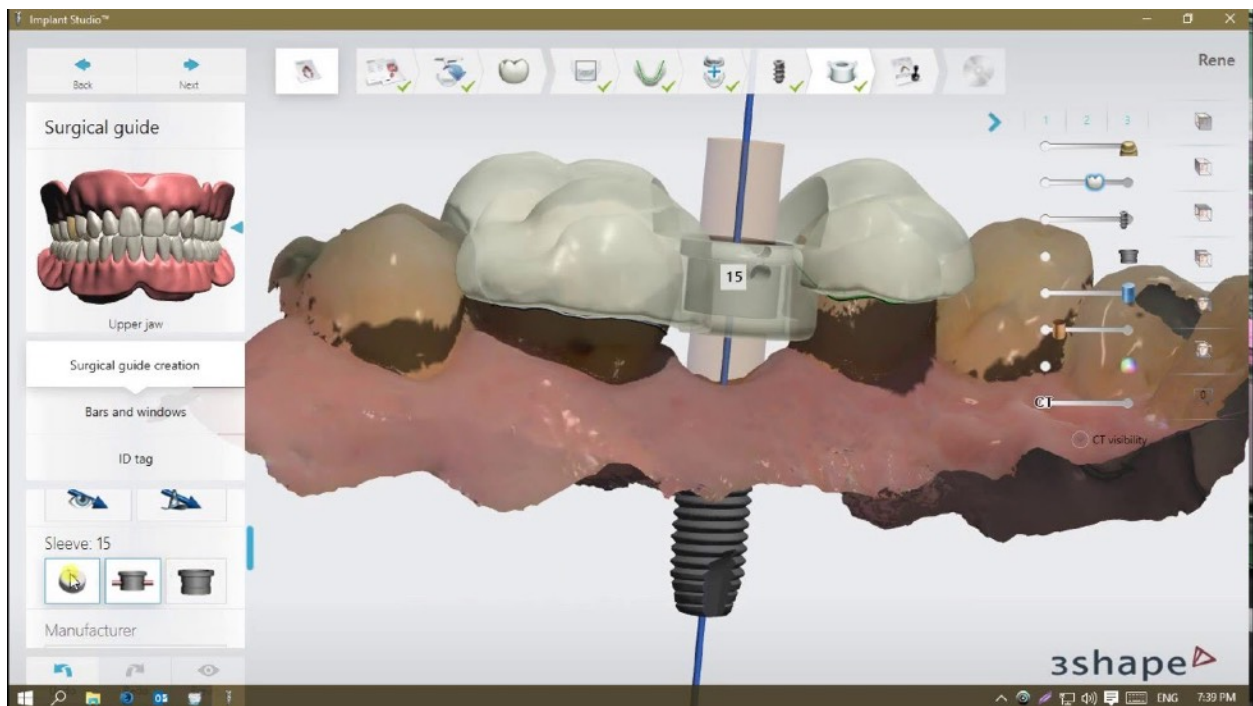


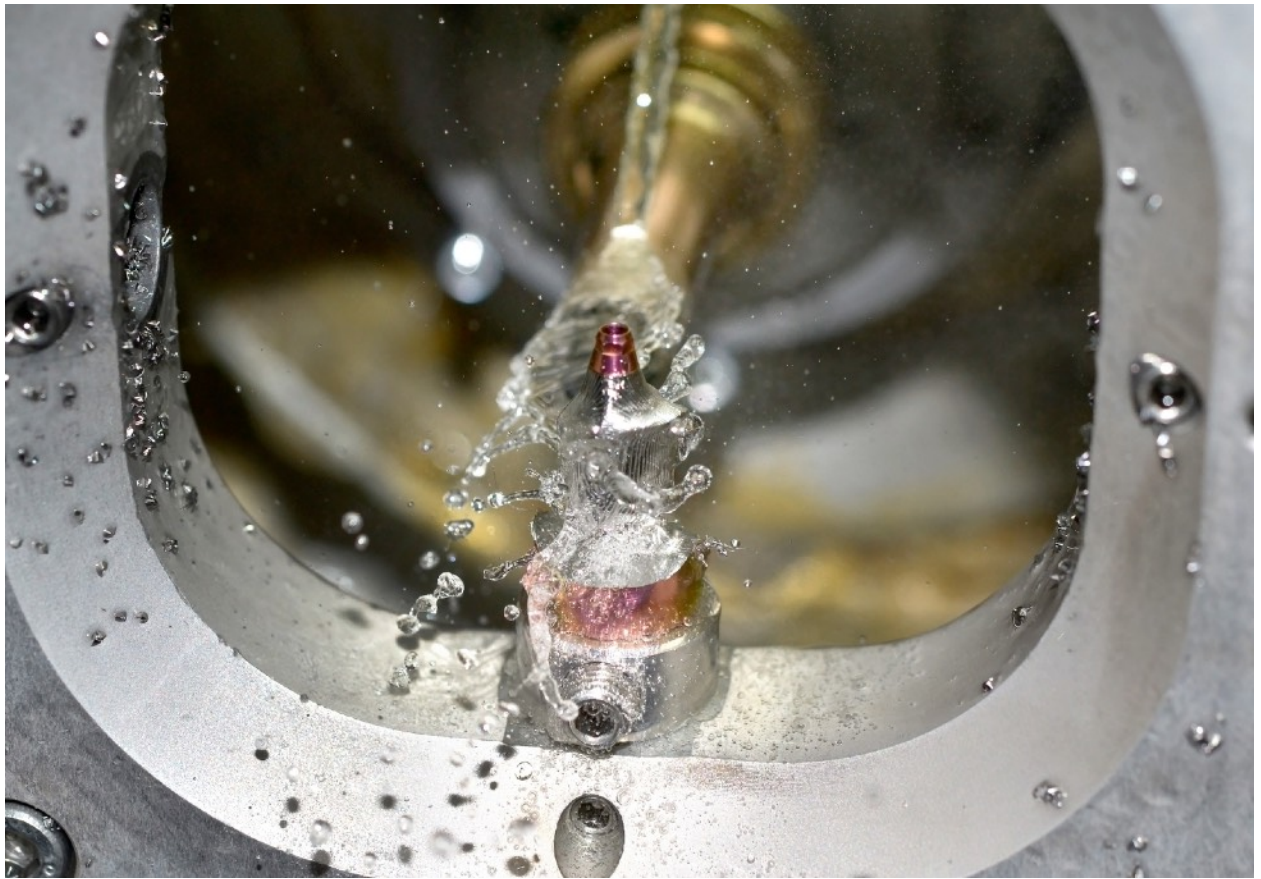
7. Abutment and implant Restorations

Using CAD/CAM design software the lab designs implant restorations, and mills the custom implant restorations. The restorations may include:

- Titanium abutments
- Zirconia abutments
- Screw retained restorations

Figure 25,26,27





8. From Lab - Implant Restorations

Figure 28, 29

