



## precision angled screw restoration overview

There are 4 steps to creating and delivering a Precision Angled Screw restoration. The steps are as follows:

### 1 Digitize the impression

There are two primary ways to create a digital impression.

**Option A** - The first method is to take an intra-oral digital impression by placing a scan body into the implant and scanning the scan body and surrounding dentition using handheld 3D scanner.

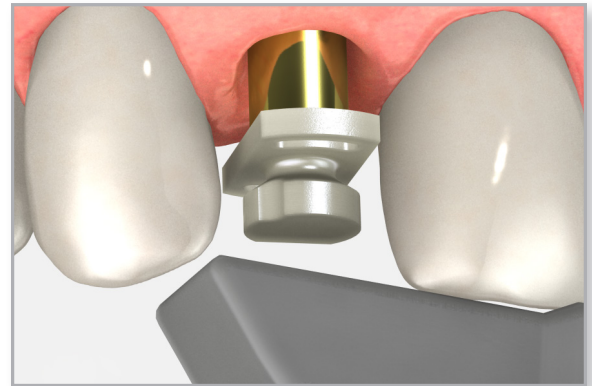
For implant level impressions, refer to the [open tray technique using the direct pick-up coping module](#), the [closed tray technique using the indirect transfer coping module](#) and the [closed tray pick-up technique using the snap coping module](#).

**Option B** - The second method is to take an implant level impression, pour a stone model, place a software-dependent scan body into the implant analog and scan the model using 3D tabletop digital scanner



**Important:**

In order to design a Precision Angled Screw restoration, a BioHorizons Scan body must be used and the BioHorizons CAD/CAM Abutments & Model library must be downloaded from the Vulcan website. [vulcandental.com/home/downloads](http://vulcandental.com/home/downloads)



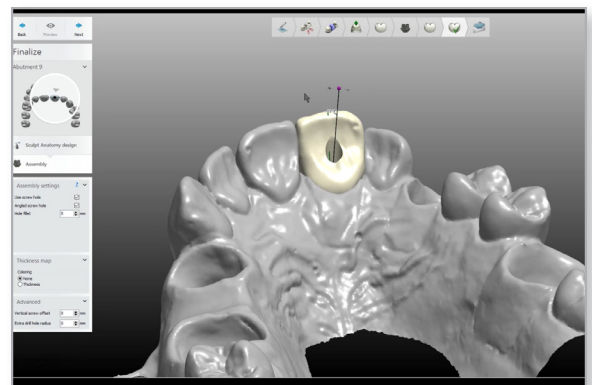
### 2 Design the crown

The file that is created during the digital impression is imported into the design software that will be used by the technician to design the angled screw channel restoration.



**Note:**

The precision angled screw and driver are compatible with the BioHorizons Hybrid Base abutments and Tissue-Level Hybrid Base abutments. Not compatible with Laser-Lok titanium base or 2mm tall hybrid base abutments.





## precision angled screw restoration overview

Creating and delivering a Precision Angled Screw channel restoration on a BioHorizons hybrid base abutment (continued)

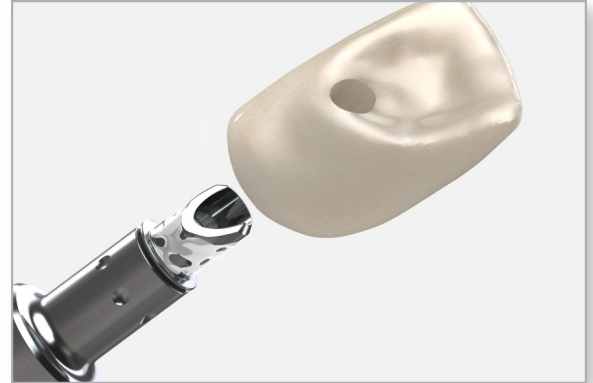
### 3 Cement the crown

The laboratory will use the Hybrid Base abutment and stone or printed model to complete the crown following normal laboratory procedures. The gold Precision Angled Screw should remain in the Hybrid Base abutment during the cementation of the crown to the abutment.



**Important:**

During cementation of the crown to the abutment, prevent cement from entering into the angled screw channel of the crown and the internal aspect of the abutment. The final angled screw channel restoration will have a captured screw within the assembly.



### 4 Deliver the final restoration

The final restoration should be sanitized following standard clinical procedures. When utilizing the angled screw channel feature, **ONLY** a Precision Angled Driver should be used to tighten the gold Precision Angled Screw that is captured in the restoration.

Secure the restoration onto the implant using the Precision Angled Driver. Hand tighten.

Tighten the abutment screw to 30Ncm using the Precision Angled Driver and a calibrated torque wrench



**Important:**

When using the calibrated torque wrench, apply a steady downward pressure along the axis of the driver to maintain optimum driver and screw engagement.

