Implant Scanning with TRIOS

Scanning an Implant Case can be done in multiple ways:

1. Implant Case incl Emergence Profile scan (Slide 9 to 20)
2. Standard Implant Case without Emergence Profile (Slide 21 to 26)
3. Implant Case incl Pre-Preparation scan (Slide 27 to 32)
4. Implant Case incl Pre-Preparation and Emergence Profile scans (Slide 33 to 39)

For all four scenarios, selecting the right items on the order page is key. The first slides from 3 to 8 will help you to select everything for the right order.

Please read the document “Implants with TRIOS® - Clinic perspective” before scanning your first implant case.
Link: Support site - Extra

The Scenarios in this guide are created on Dental Demo Model manufactured by Frasaco.
Create a patient with a new session

1. Click “Add patient”
2. Fill out patient info
3. Select “New session” to create a new case
1. Click “Change lab” to choose a lab from your list of laboratories
Select tooth and Implant

1. Select tooth for the restoration
2. Click on “Implant”
Select restoration

1. Click on “Abutment”
2. Select the wanted restoration type (Abutment or Screwretained Crown - see description above)

**Abutment:** Two-piece Cement retained crown on top of an individual abutment

**Screwretained Crown:** Single piece screw retained restoration type where Crown and Abutment are in one piece.
Select manufacturer

1. Select your “Manufacturer” of choice
2. Use scroll to see options
Select implant details

1. Select the “System”
2. Select the “Connection”
3. Select “Material”
Scenario 1: Implant Case incl Emergence Profile scan

When using the surrounding soft tissue (gingiva) for optimized fit and esthetic qualities of the customized abutment and final restoration[1]

Enable emergence profile scan

1. Click the "Emergence Profile" button
2. Go to "Scan Page"
Emergence profile scan enabled

This selection will activate an extra scan-field:

The scanner is now ready.

Lower

Lower scanbody

Upper

Occlusion
Scan emergence profile

1. Scan emergence profile immediately after removal of healing cap/abutment
2. Stop scanning as soon as the emergence profile is covered
3. Mark the tooth as close to the screwhole as possible!
Lock surface - optional

1. Open “Tools”
2. Select “Lock Surface”
Benefits of locked surface

By locking the Emergence Profile, additional scanning after collapse of Emergence Profile will not impact the final 3D structure
Validate the emergence profile scan - optional

1. Turn the "Color" button on and off to validate the scan
Complete scanning

1. Scan the rest of the relevant jaw
2. Remember to scan all important areas (e.g. contact points) thoroughly, as this scan will serve as the master scan
1. A copy of the Master Scan appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the scanbody
3. You can remove a little more by using the “Trim Tool”
Scanbodies

- Scanbodies have many different designs
- Please position the scanbody with the flat side easily visible
- Scan the top of the scanbody thoroughly - see marked areas below
- An incomplete scan of the scanbody, may result in a bad restoration!
Insert scanbody

Insert the Scanbody and scan it according to the instructions on slide 18
Finalize scans

Scenario 1: Implant Case with Emergence Profile Scan

1. Scan “Antagonist”
2. Scan “Bite” for occlusion

End of Scan Scenario 1
Scenario 2: Standard Implant Case without Emergence profile

When Emergence profile is not required for esthetics and design
Disable extra scans

1. Leave both boxes unmarked
2. Go to “Scan Page”
Extra scans disabled

Go directly to the scanbody page

The scanner is now ready.

Lower scanbody  Upper  Occlusion
Insert scanbody

Insert the Scanbody and scan it according to the instructions on slide 18.
Mark the tooth

1. Mark the tooth by selecting the center on the top of the scanbody
Finalize scans

1. Scan “Antagonist”
2. Scan “Bite” for occlusion

End of Scan Scenario 2
Scenario 3: Implant Case incl Pre-Preparation Scan

When the morphology of the damaged tooth (prior to extraction), or the temporary can be used for designing the final restoration.
Enable Pre-preparation scan

1. Click the "Pre-preparation" button
2. Go to "Scan Page"
Pre-preparation scan enabled

This selection will activate an extra scan-field:

The scanner is now ready.
Scan Pre-preparation

1. Scan the jaw with the Pre-prepared tooth thoroughly as this is the master
2. Mark the center of the tooth from occlusal view
1. A copy of the Master Scan appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the scanbody
3. You can remove a little more by using the "Trim Tool"
1. Insert the Scanbody and scan it according to the instructions on slide 18.
2. Mark the tooth by selecting the center on the top of the scanbody.
Finalize scans

1. Scan "Antagonist"
2. Scan "Bite" for occlusion

End of Scan Scenario 3
**Scenario 4:**

**Implant Case incl Pre-Preparation and Emergence Profile Scans**

When using the surrounding soft tissue (gingiva) for optimized fit and esthetic qualities of the customized abutment and final restoration **AND** the morphology of the damaged tooth (prior to extraction), or the temporary can be used for designing the final restoration.
Enable Pre-preparation + Emergence profile scans

1. Click the "Pre-preparation" and the "Emergence profile" buttons
2. Go to "Scan Page"
Pre-preparation and Emergence Profile scans enabled

Enable extra scans:  
- Pre-preparation
- Emergence profile

This selection will activate two extra scan-fields:

The scanner is now ready.

- Lower Pre-Preparation
- Lower
- Lower scanbody
- Upper
- Occlusion
Scan Pre-preparation

1. Scan the jaw with the Pre-prepared tooth thoroughly as this is the master
2. Mark the center of the tooth from occlusal view
1. A copy of the Master Scan appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the Emergence profile
3. You can remove a little more by using the “Trim Tool”
Scan emergence profile

1. Scan emergence profile immediately after removal of healing cap/abutment
2. Stop scanning as soon as the emergence profile is covered
3. Mark the tooth as close to the screw hole as possible!
1. A copy of the Master Scan incl Emergence profile appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the scanbody
3. You can remove a little more by using the ”Trim Tool”
1. Insert the Scanbody and scan it according to the instructions on slide 18
2. Mark the tooth by selecting the center on the top of the scanbody
Finalize scans

1. Scan “Antagonist”
2. Scan “Bite” for occlusion

End of Scan Scenario 4
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