Implant Scanning Step-by-Step

Implant Scanning with TRIOS

Scanning an Implant Case can be done in multiple ways:

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.

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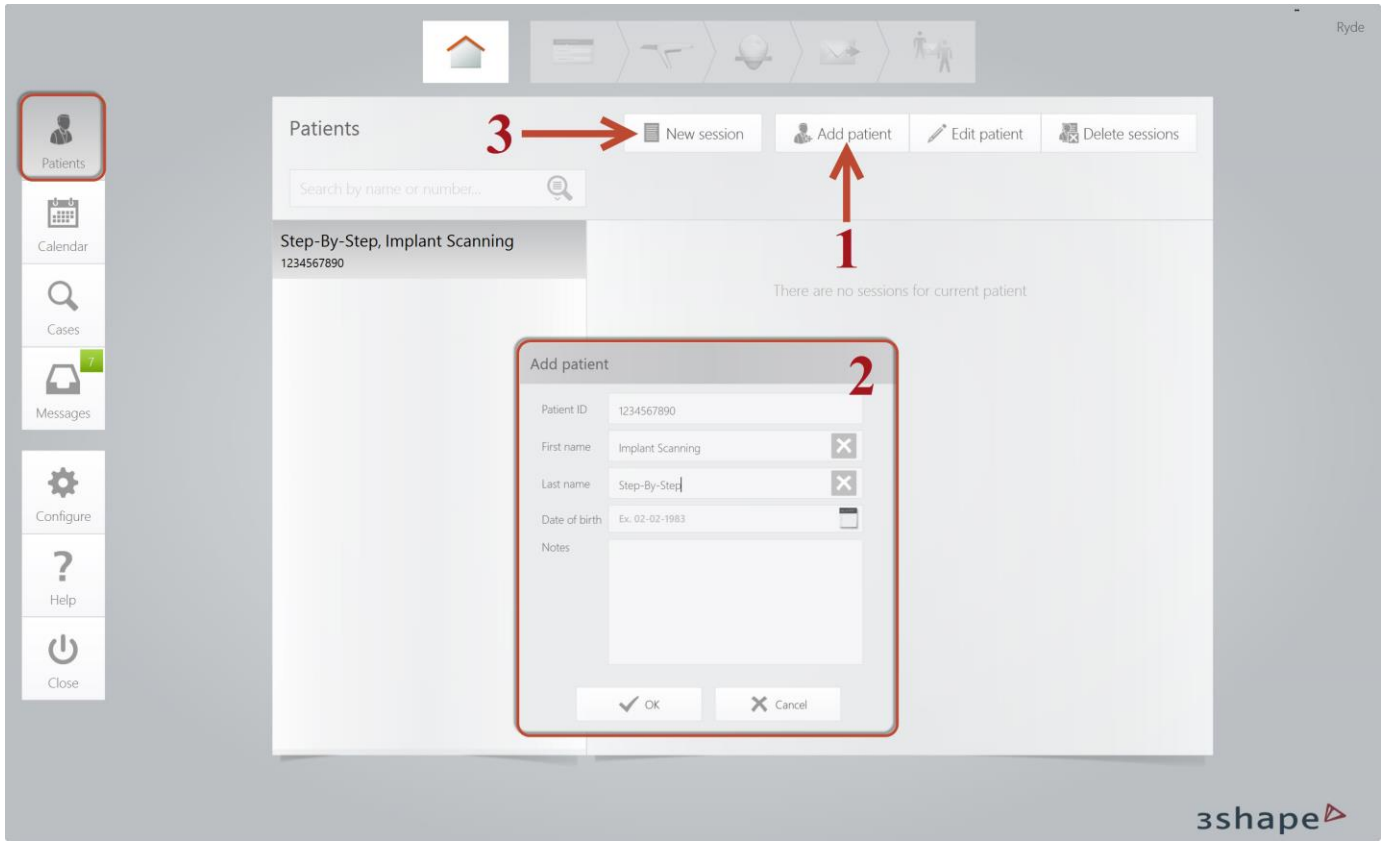
Create a patient with a new session



1. Click "Add patient"
2. Fill out patient info
3. Select "New session" to create a new case

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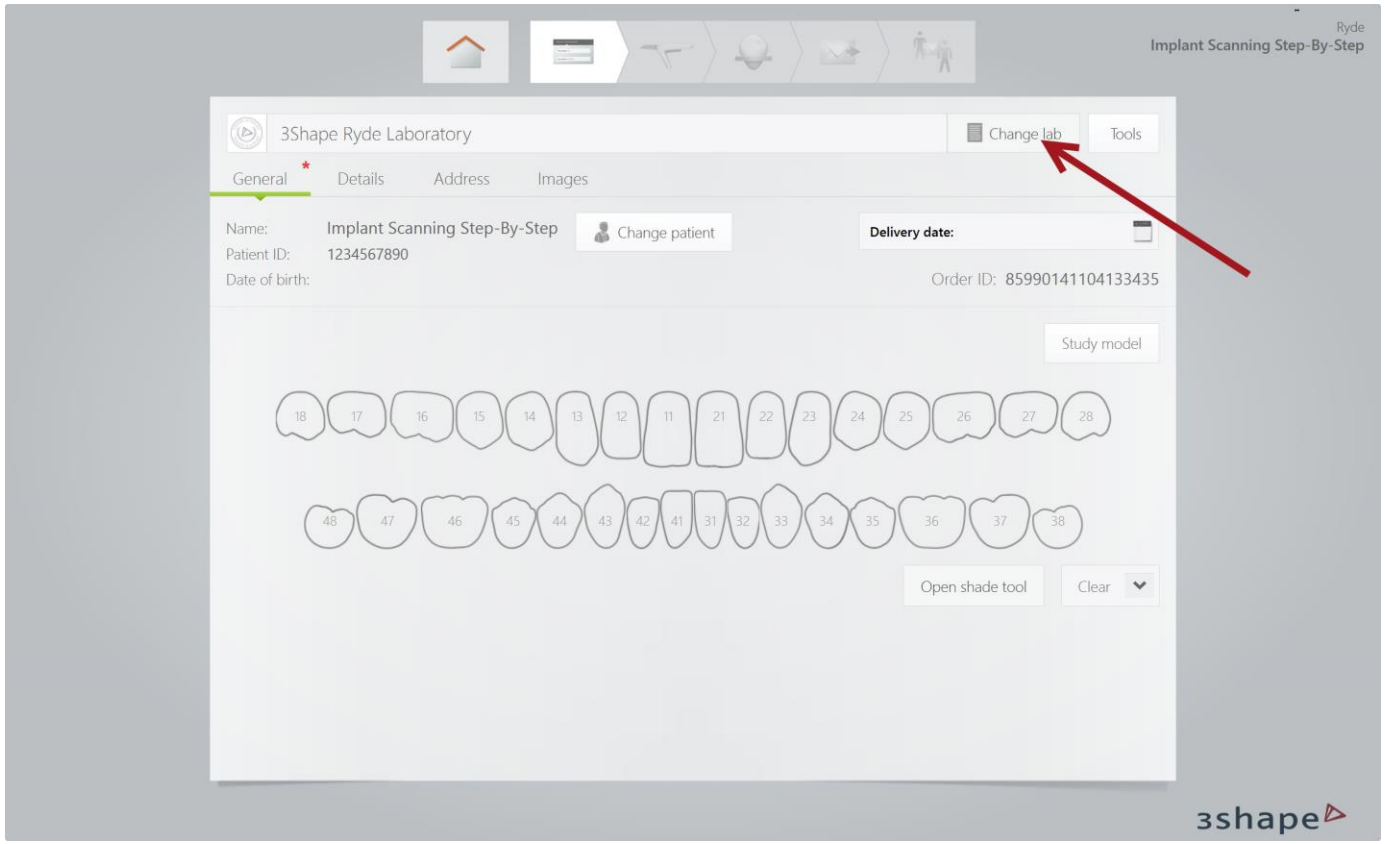
Choose Lab



1. Click ”Change lab” to choose a lab from your list of laboratories

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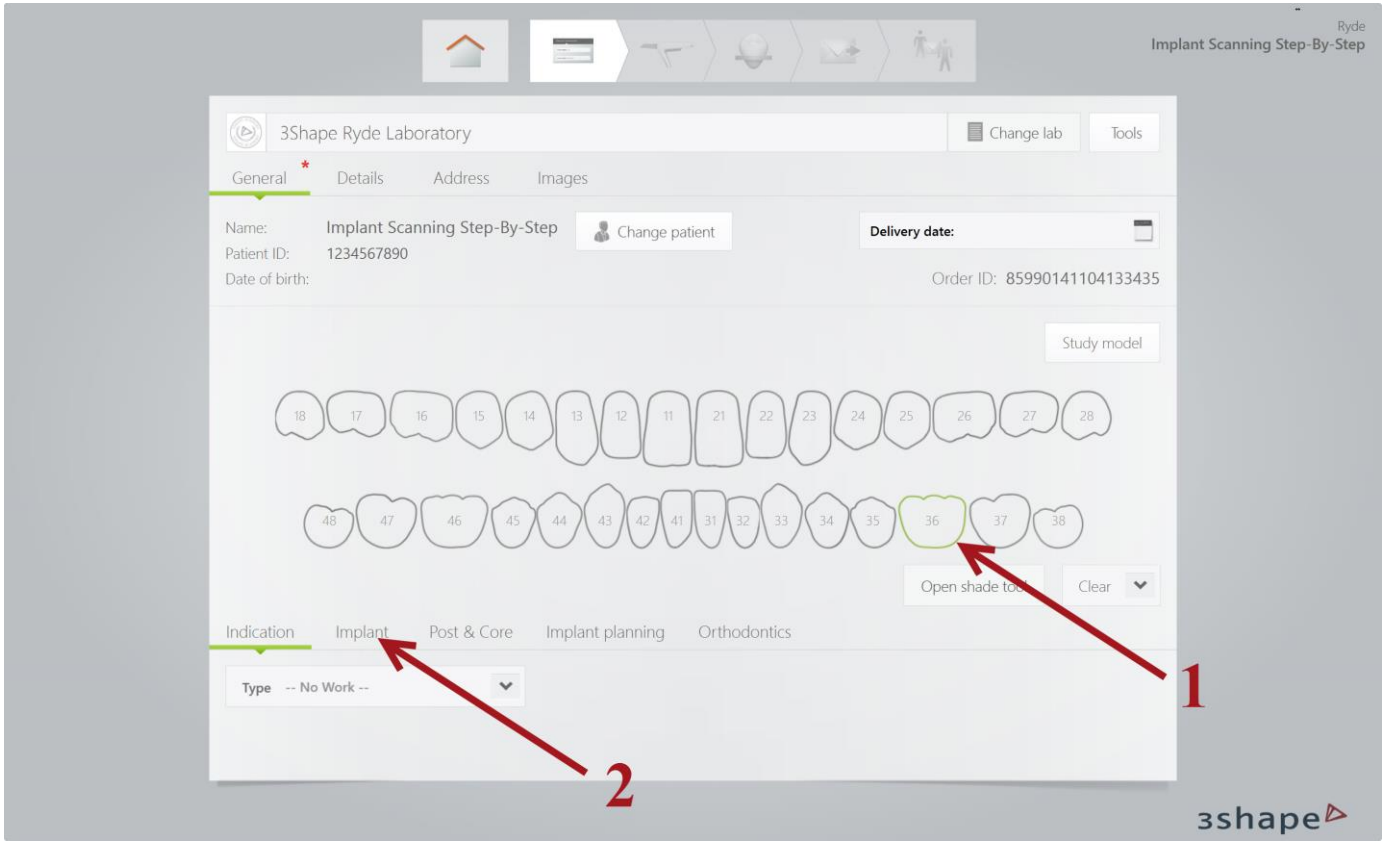
Select tooth and Implant



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

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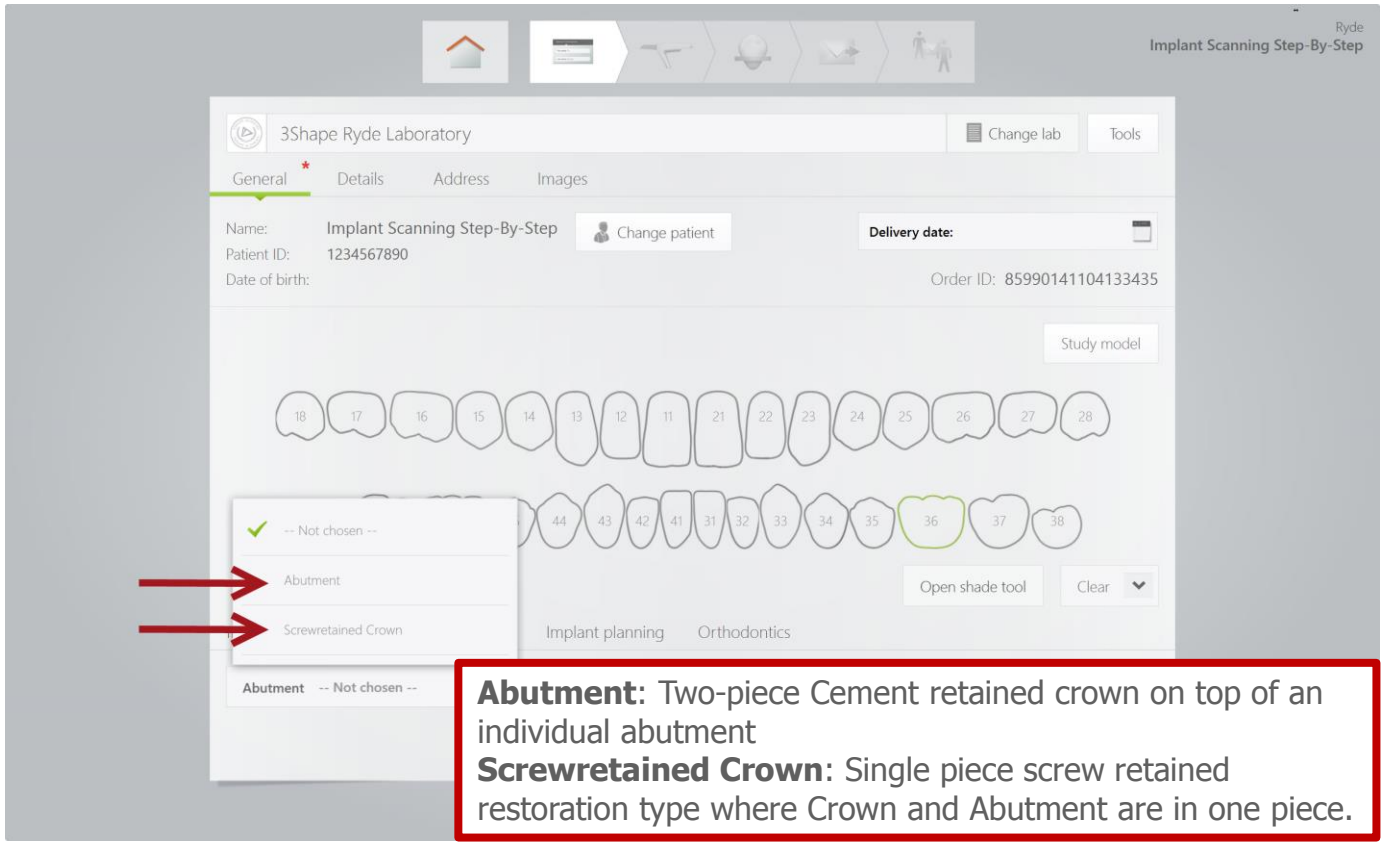
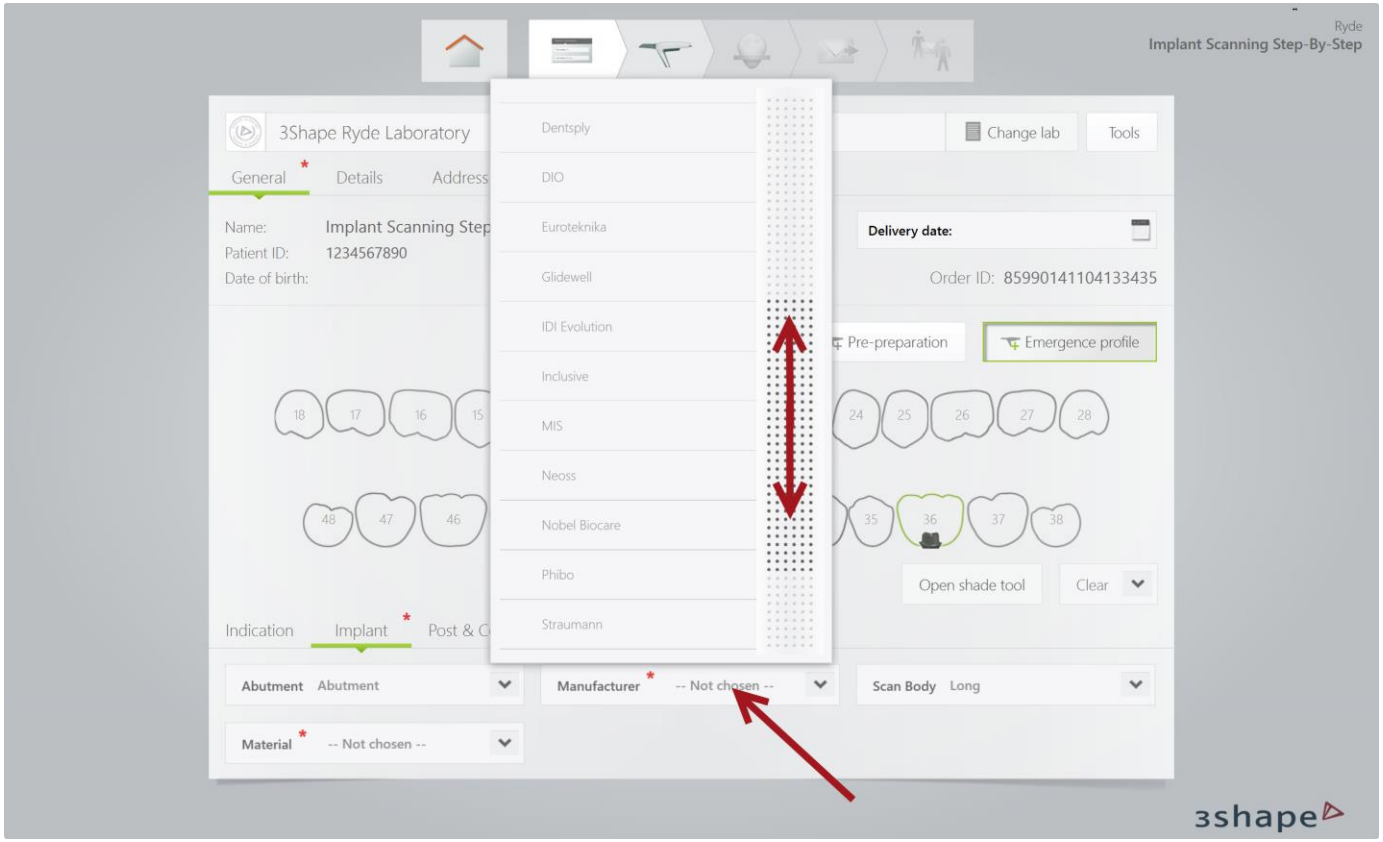
Select restoration



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

Select manufacturer



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

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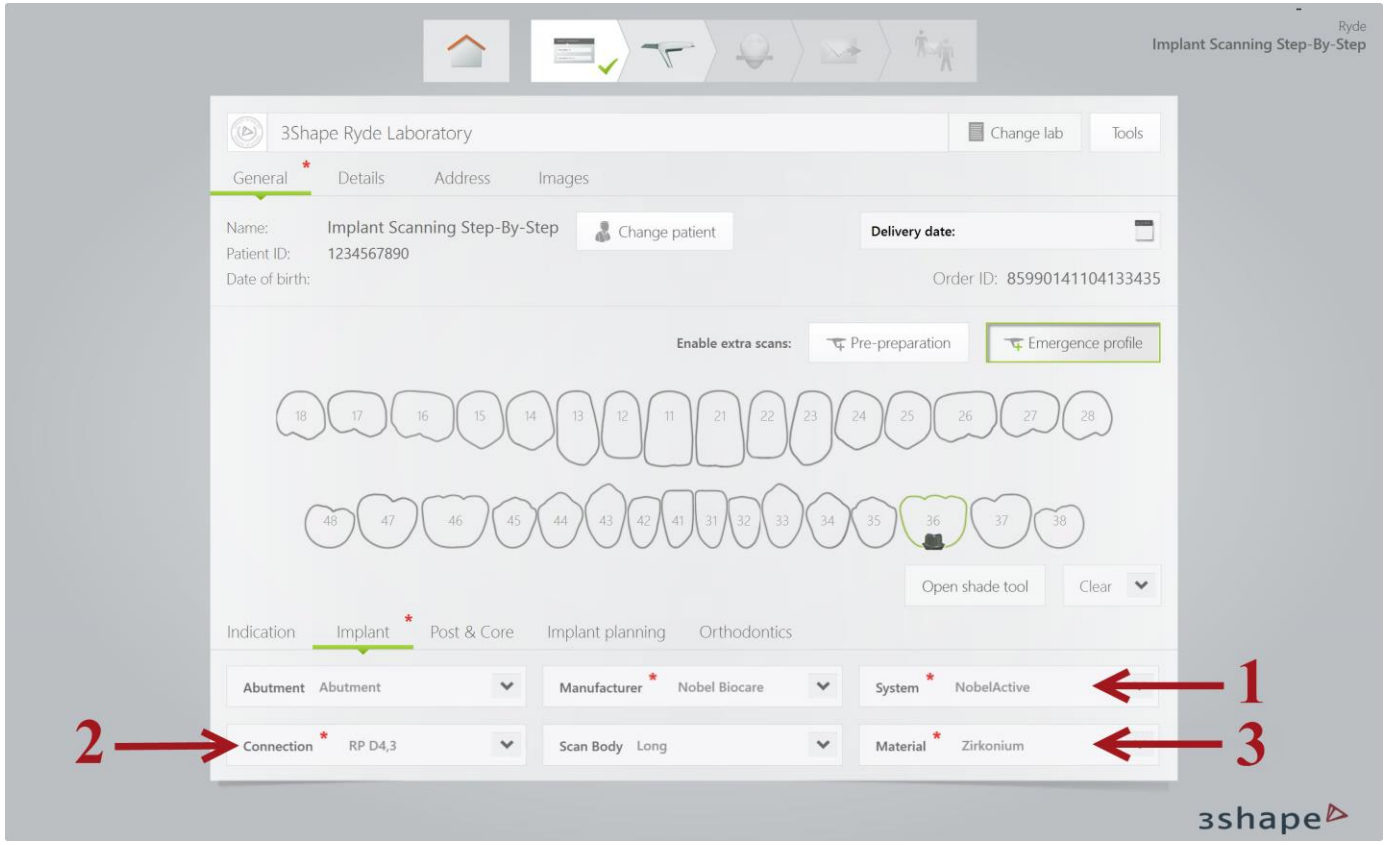
Select implant details



1. Select the ”System”
2. Select the ”Connection”
3. Select ”Material”

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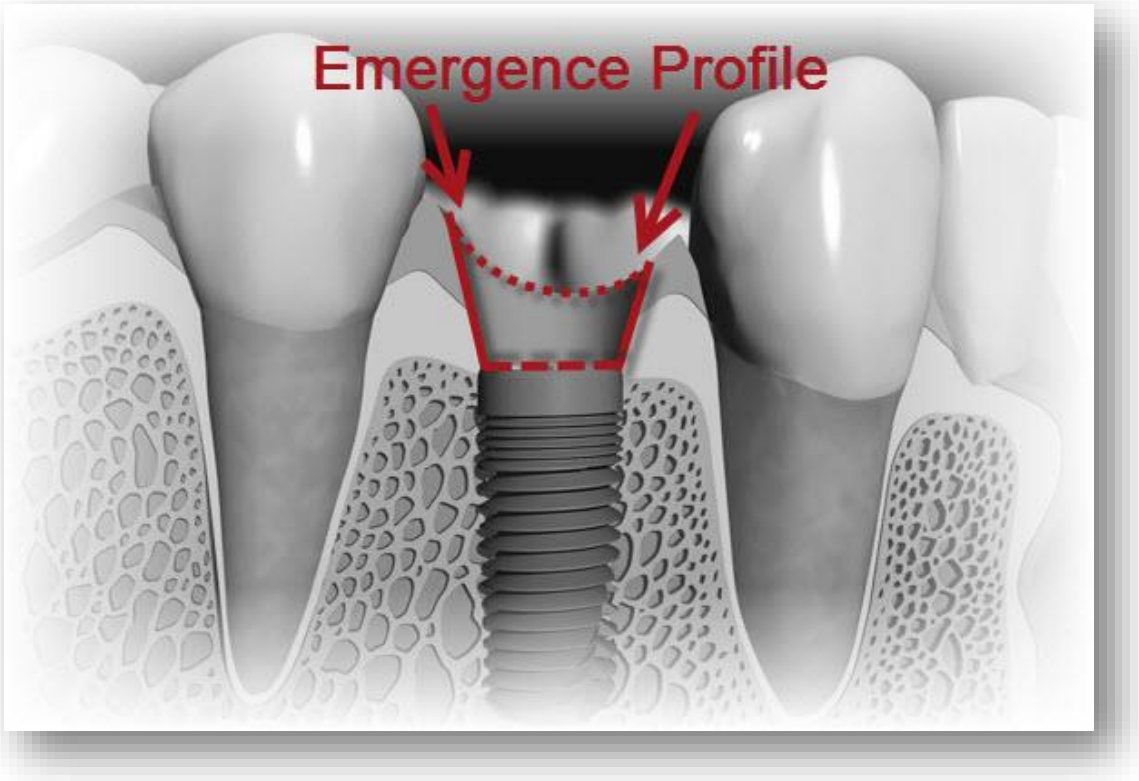
Scenario 1:

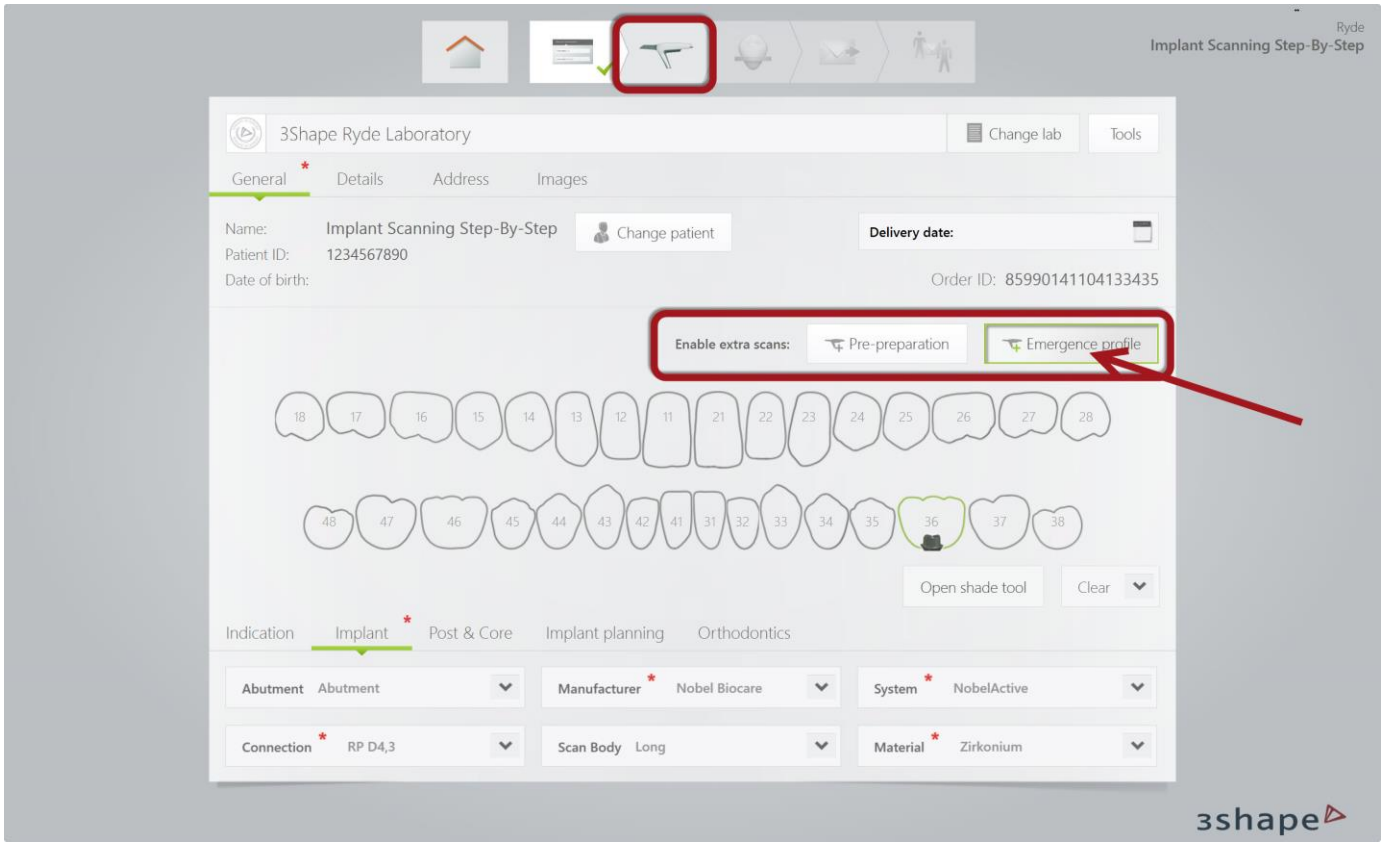
Implant Case incl Emergence Profile scan

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



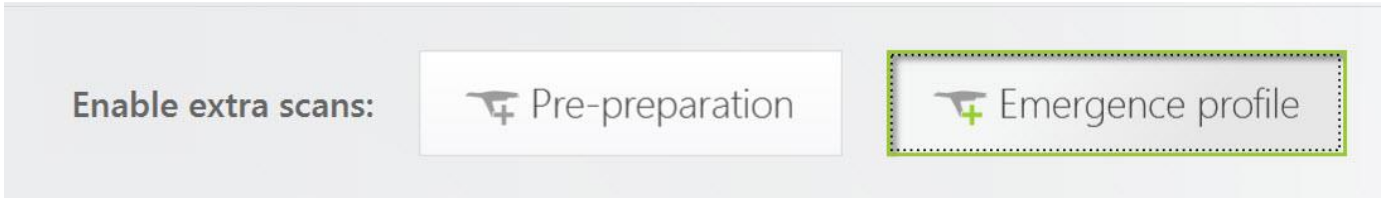
[1] "The creation of a proper contoured restoration with a natural emergence profile and gingival architecture that harmonizes with the adjacent teeth is very important for aesthetic and functional implant therapy" Wöhrle PS. Nobel perfect esthetic scalloped implant: rationale for a new design. Clin Implant Dent Relat Res. 2003;5(Suppl 1):64–73. [PubMed]

Enable emergence profile scan

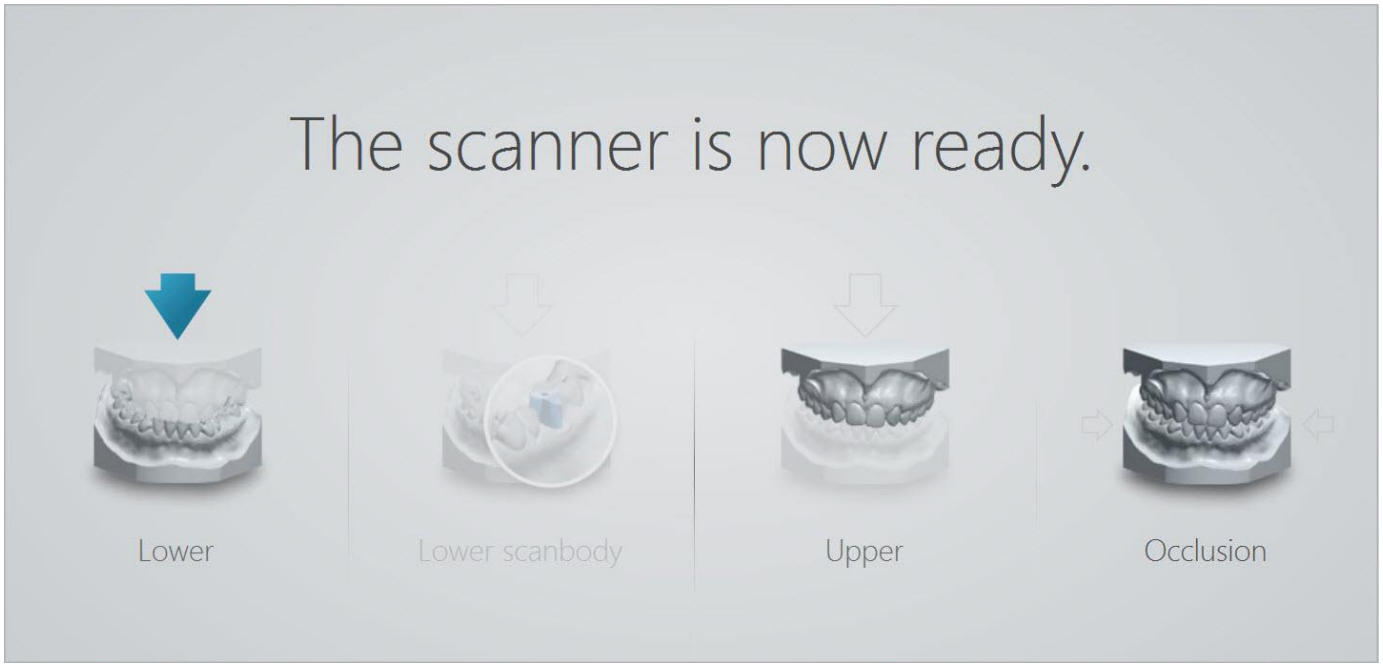


1. Click the ”Emergence Profile” button
2. Go to ”Scan Page”

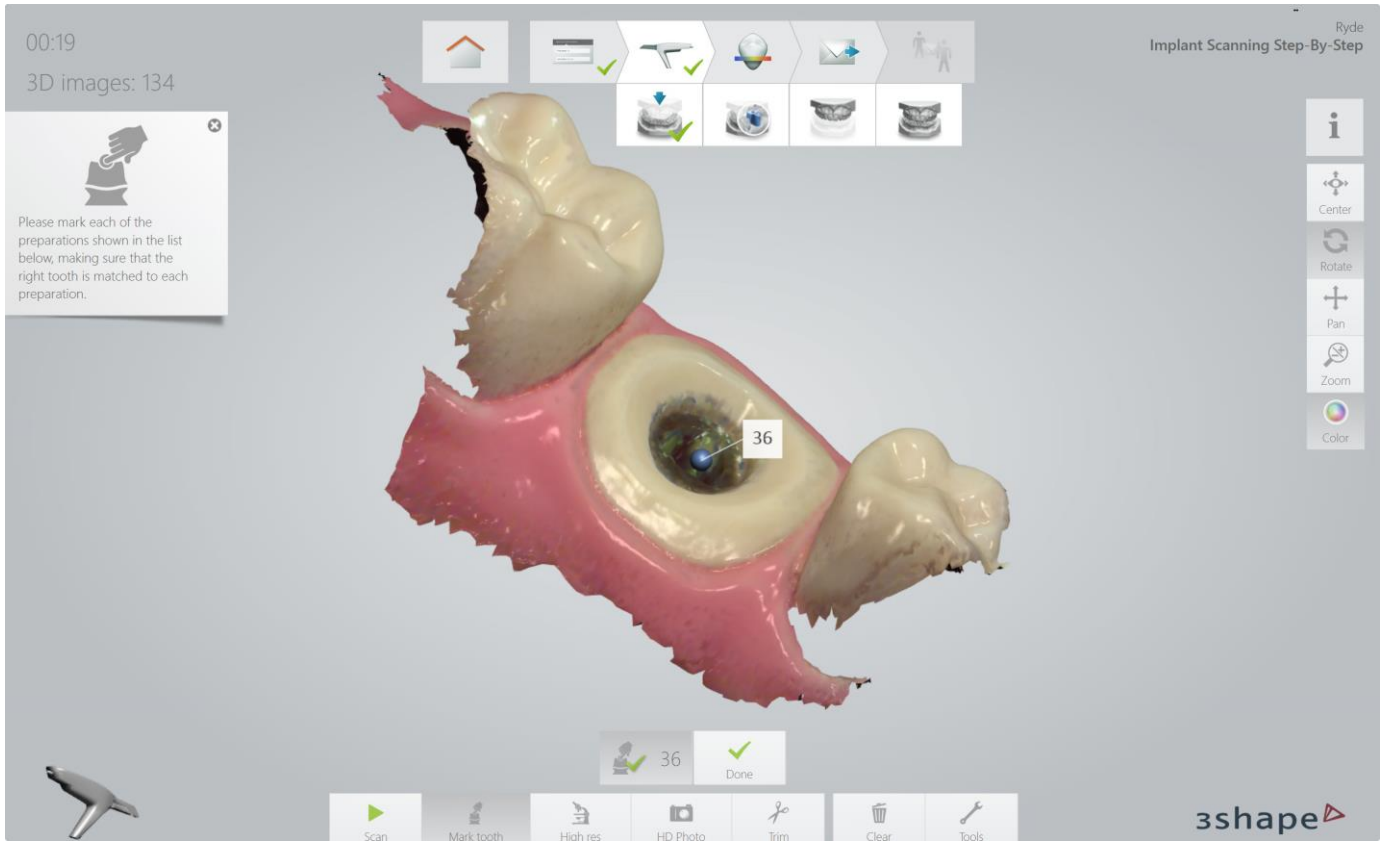
Emergence profile scan enabled



This selcection will activate an extra scan-field:

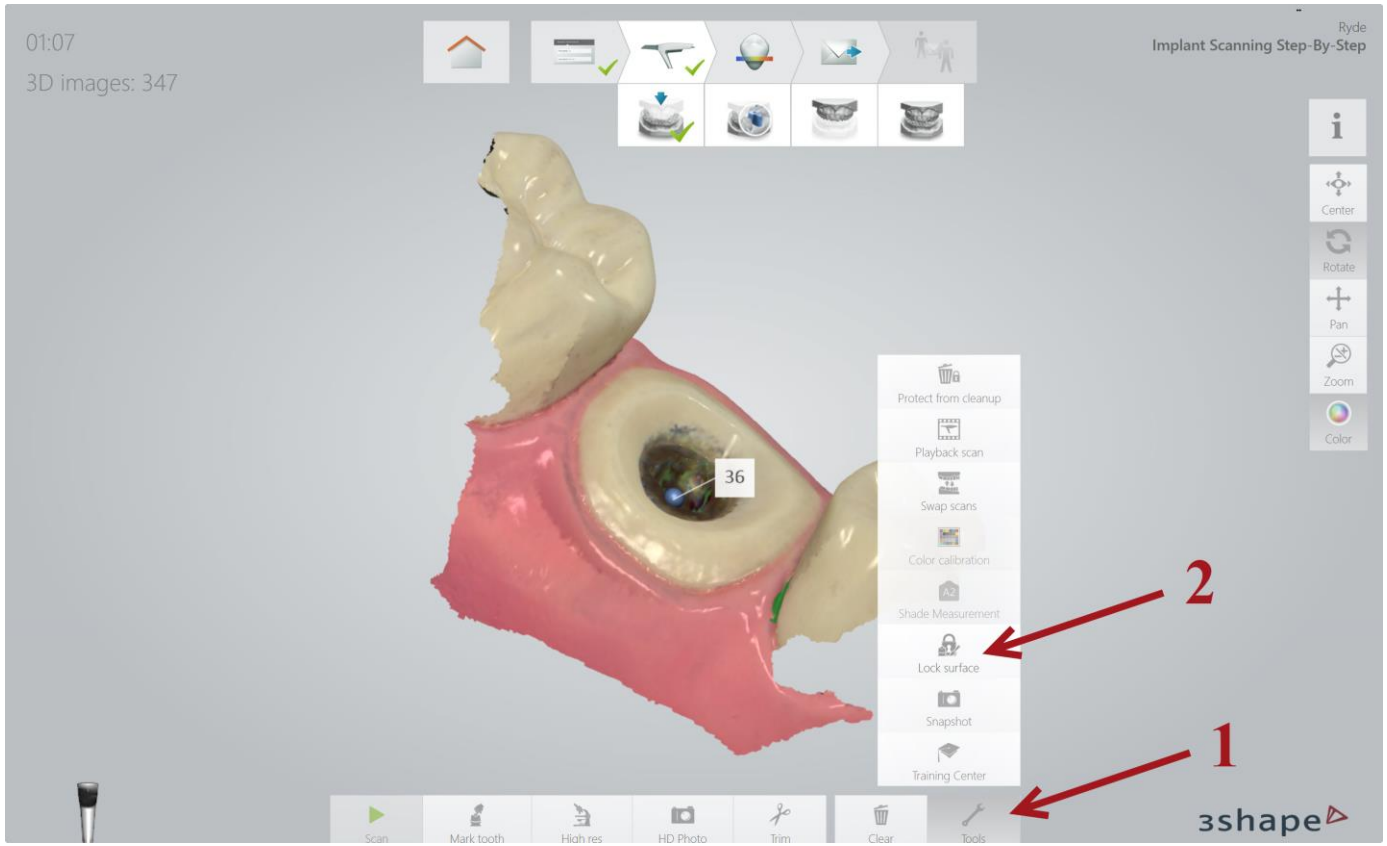


Scan emergence profile



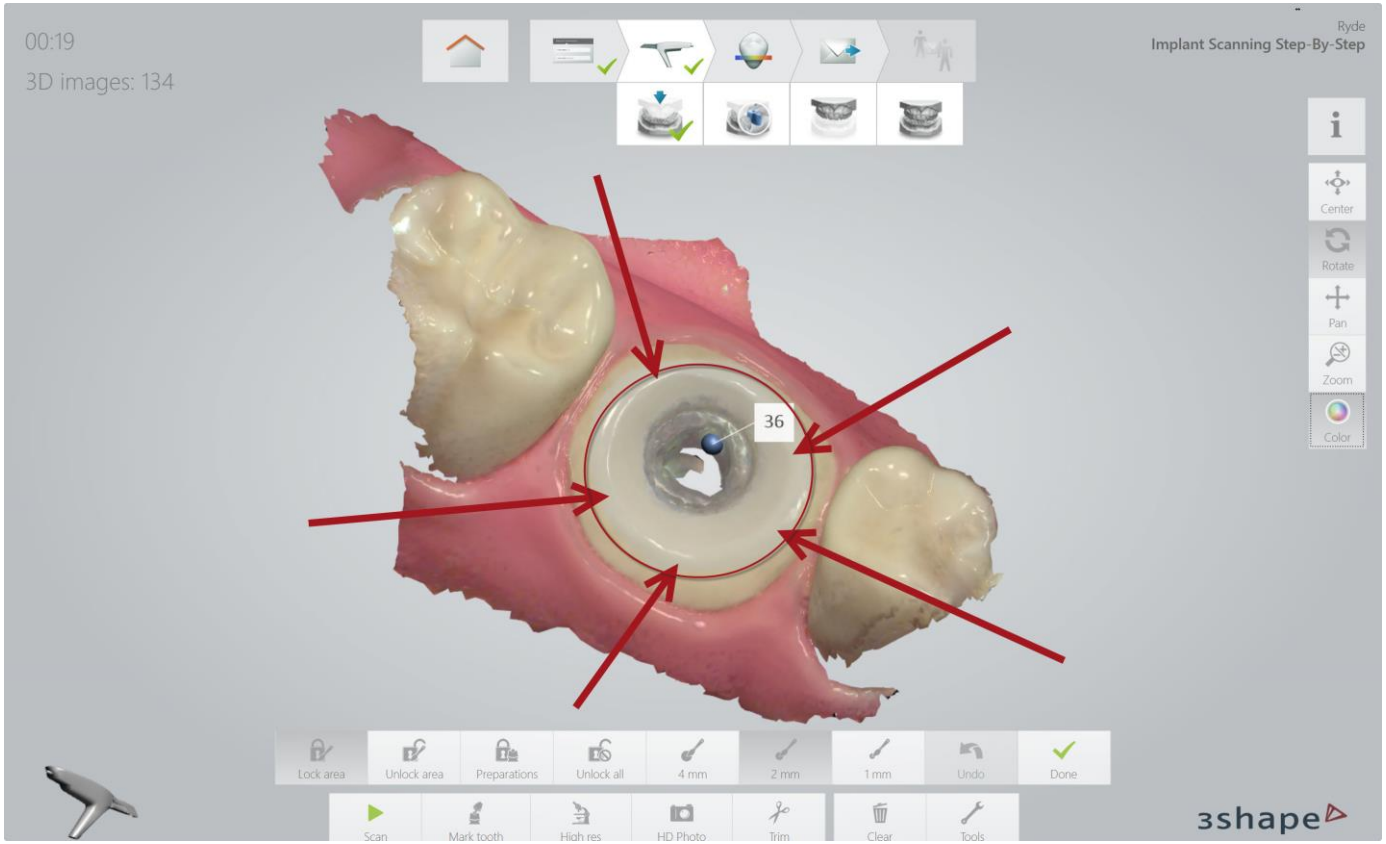
1. Scan emergence profile immidiately after removal of healing cap/abutment
2. Stop scanning as soon as the emergence profile is covered
3. Mark the tooth as close to the screwhole as possible!

Lock surface - optional



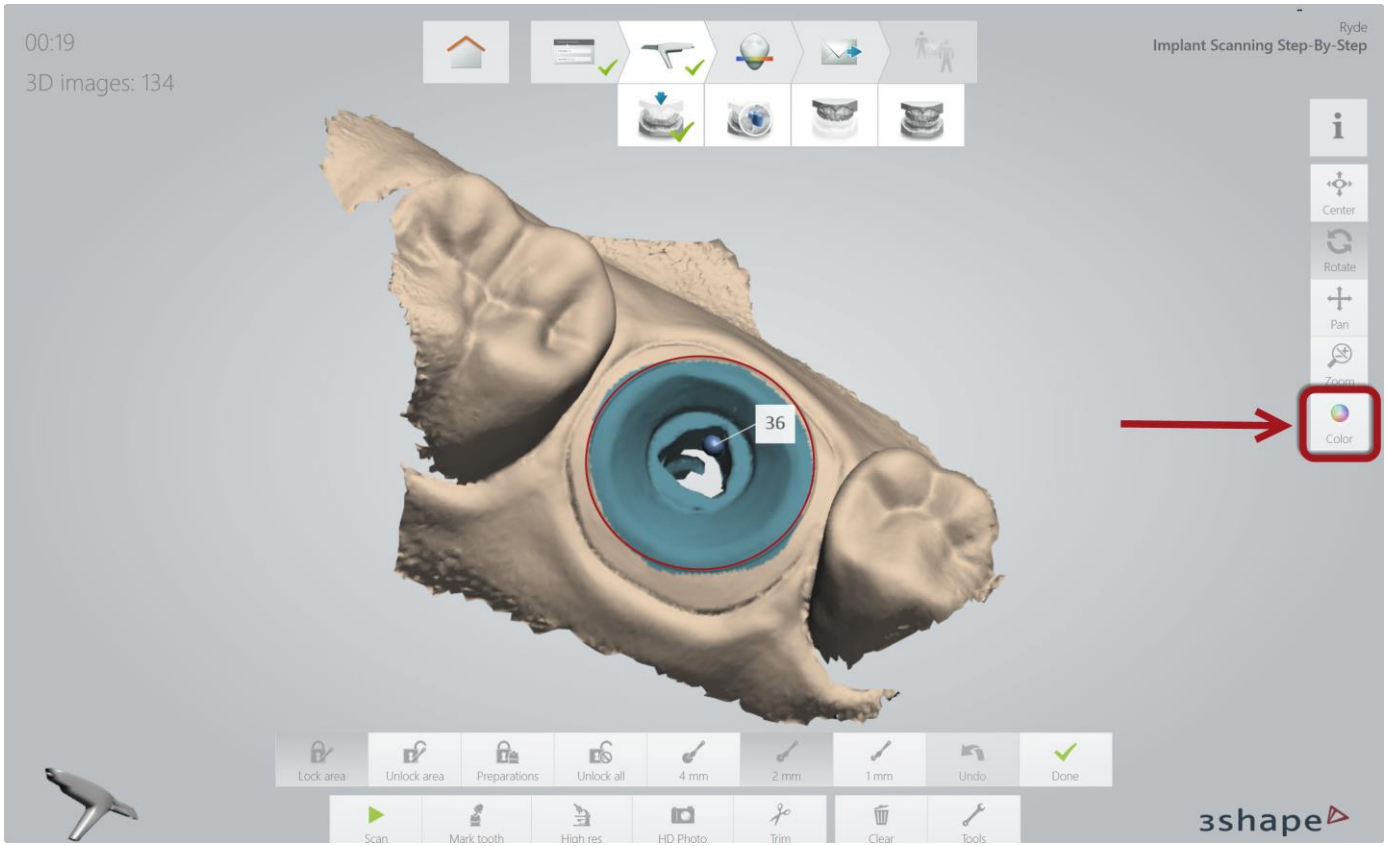
1. Open ”Tools”
2. Select ”Lock Surface”

Benefits of locked surface



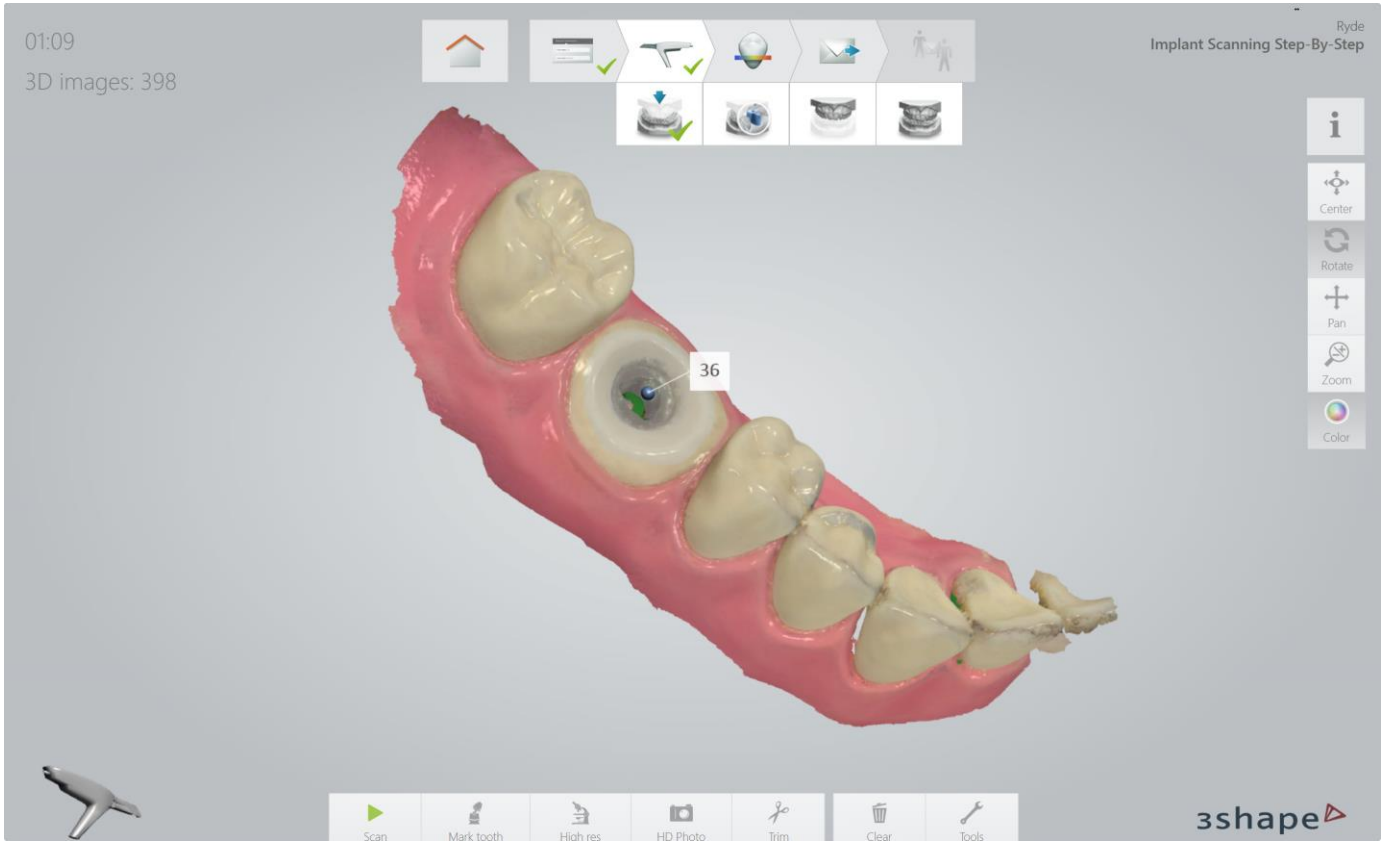
By locking the Emergence Profile, additional scanning after collaps of Emergence Profile will not impact the final 3D structure

Validate the emergence profile scan - optional



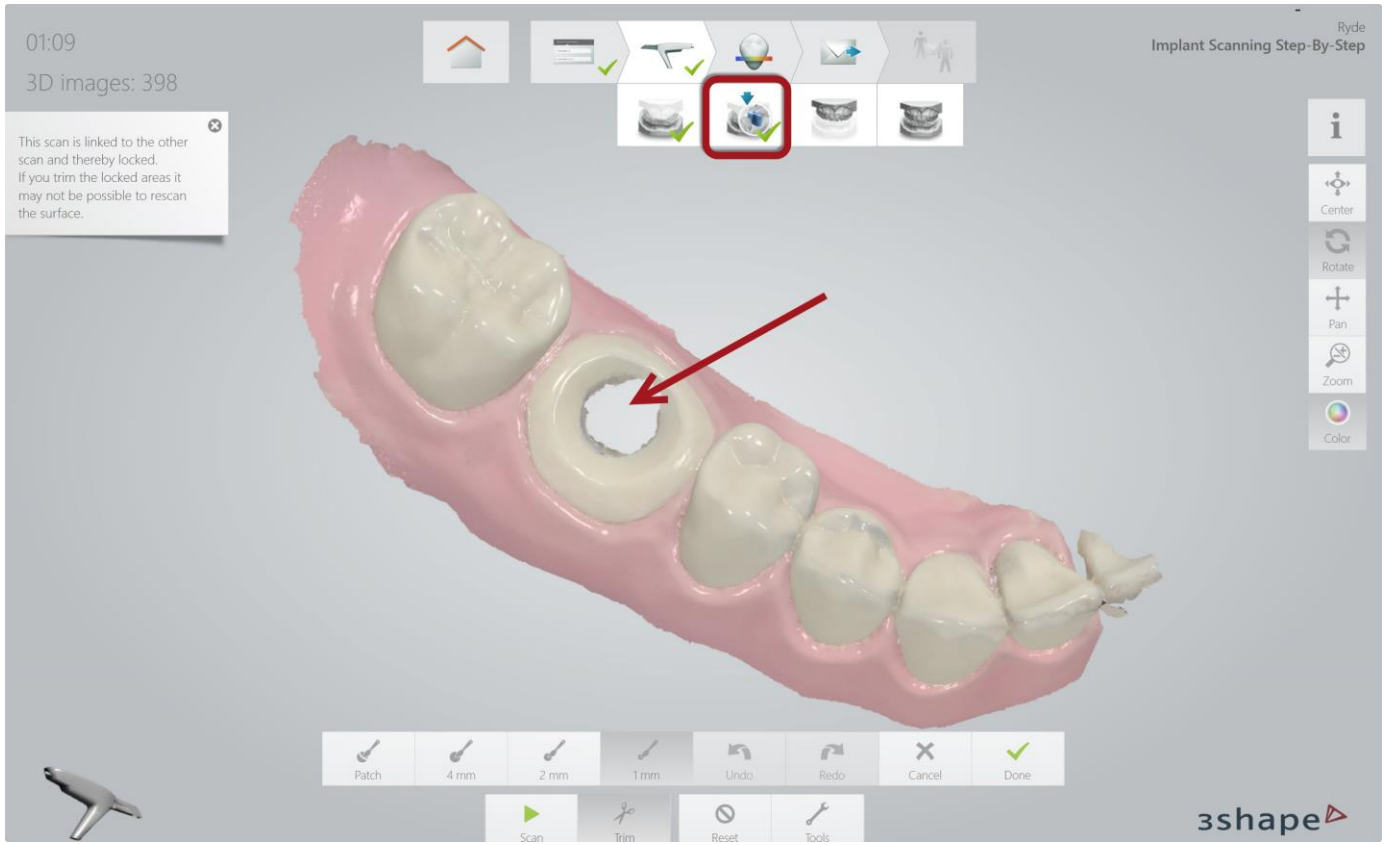
1. Turn the ”Color” button on and off to validate the scan

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

Go to scanbody page



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

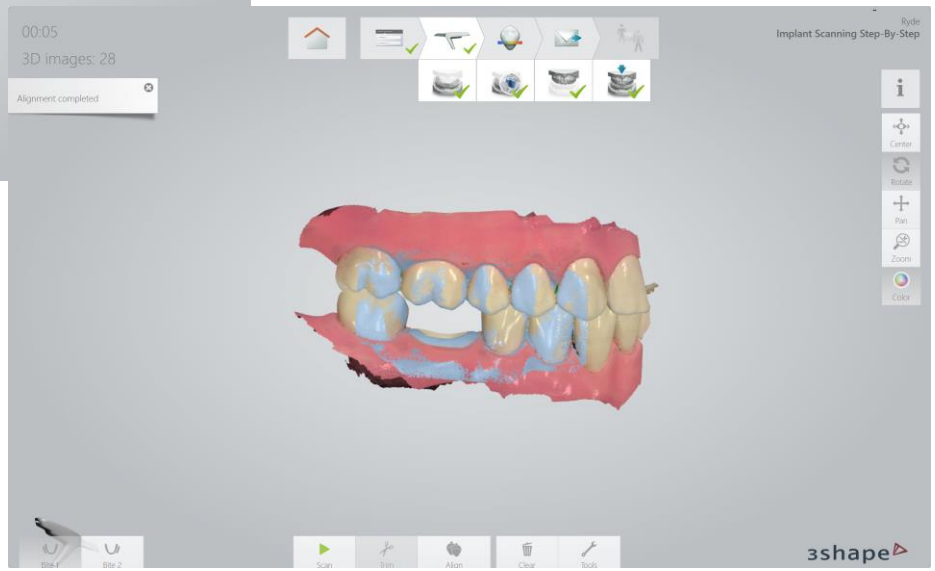
- Scanbodies have many different designs
- Please position the scanbody with the flat side easily visible
- Scan the top of the scanbody thoroughly - see marked areas below
- An incomplete scan of the scanbody, may result in a bad restoration!

Insert scanbody

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

Finalize scans

1. Scan ”Antagonist”
2. Scan ”Bite” for occlussion



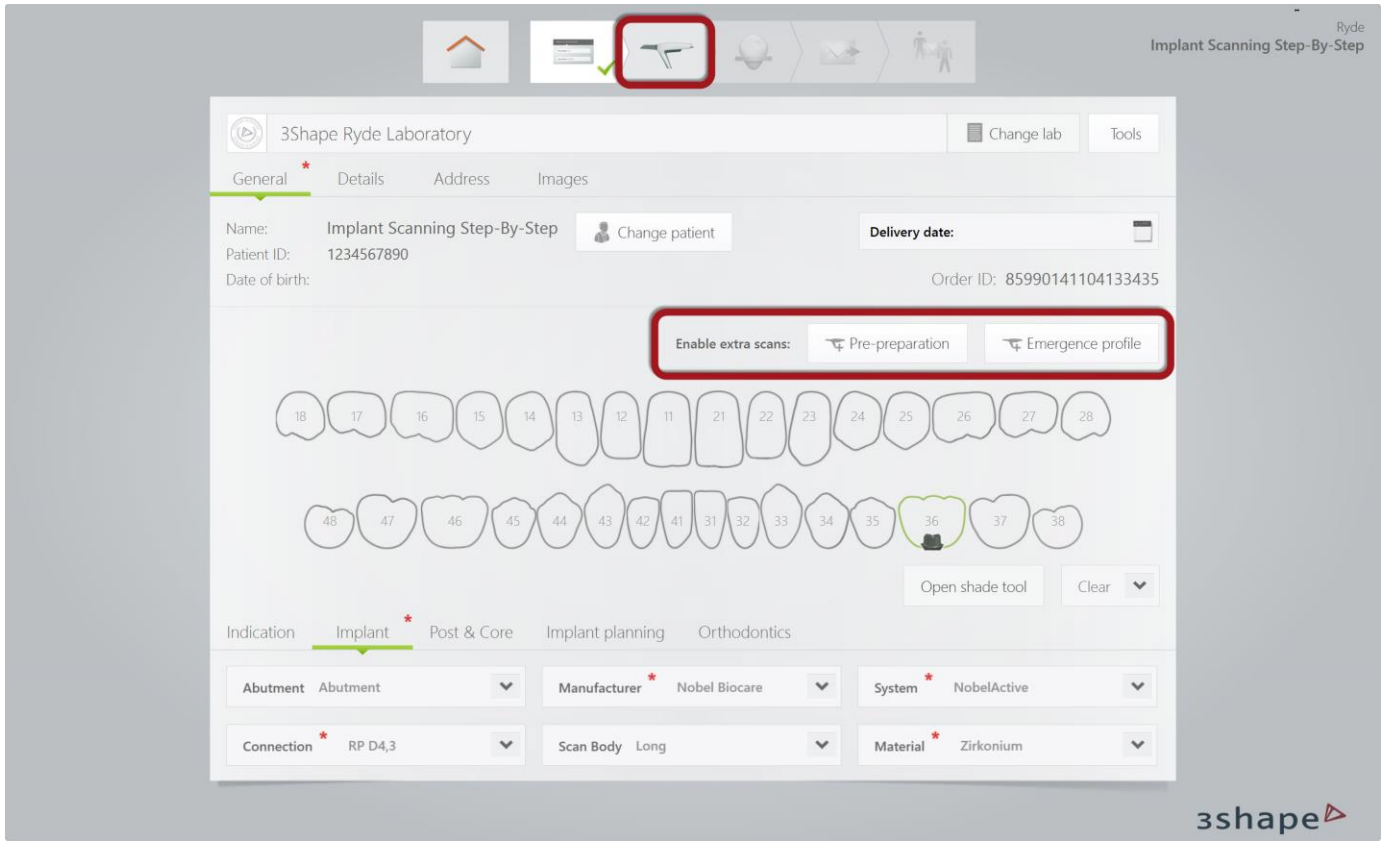
End of Scan Scenario 1

Scenario 2:

Standard Implant Case without Emergence profile

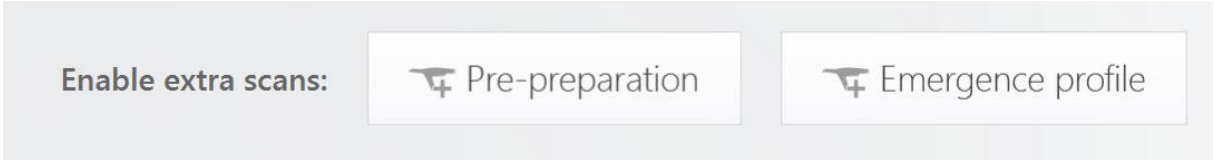
When Emergence profile is not required for esthetics and design

Disable extra scans

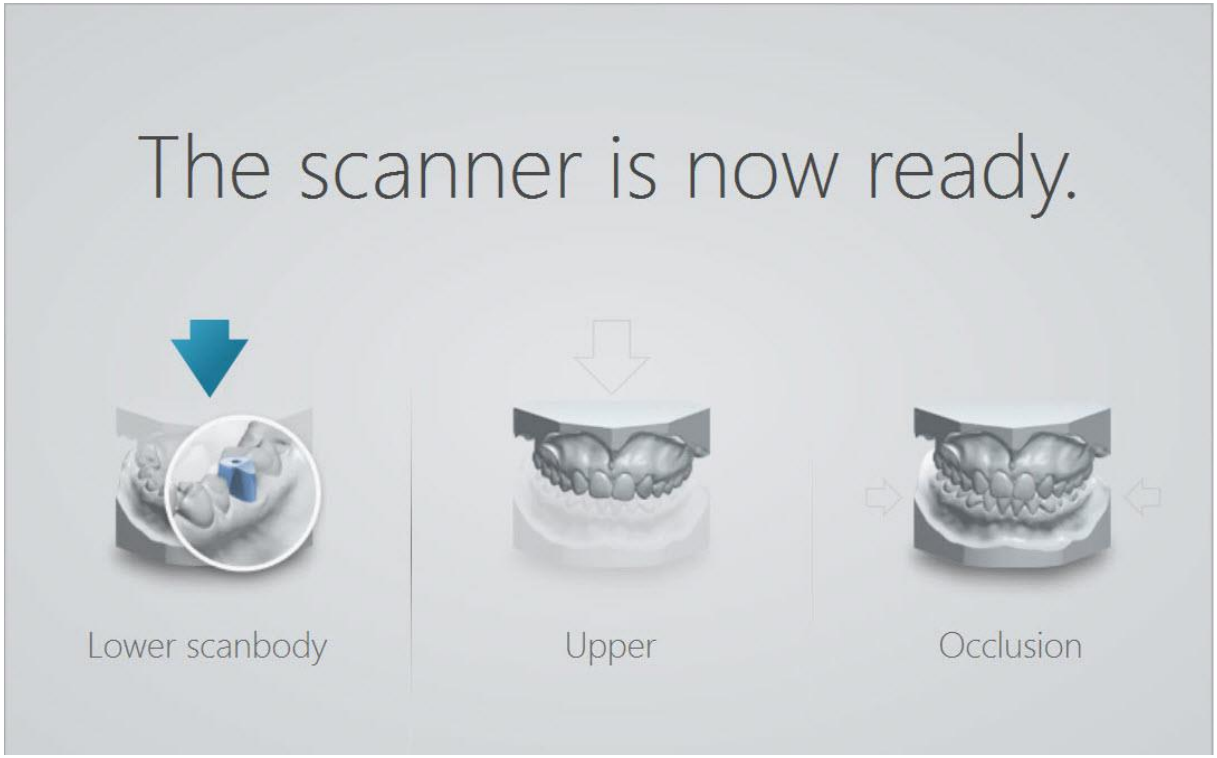


1. Leave both boxes unmarked
2. Go to ”Scan Page”

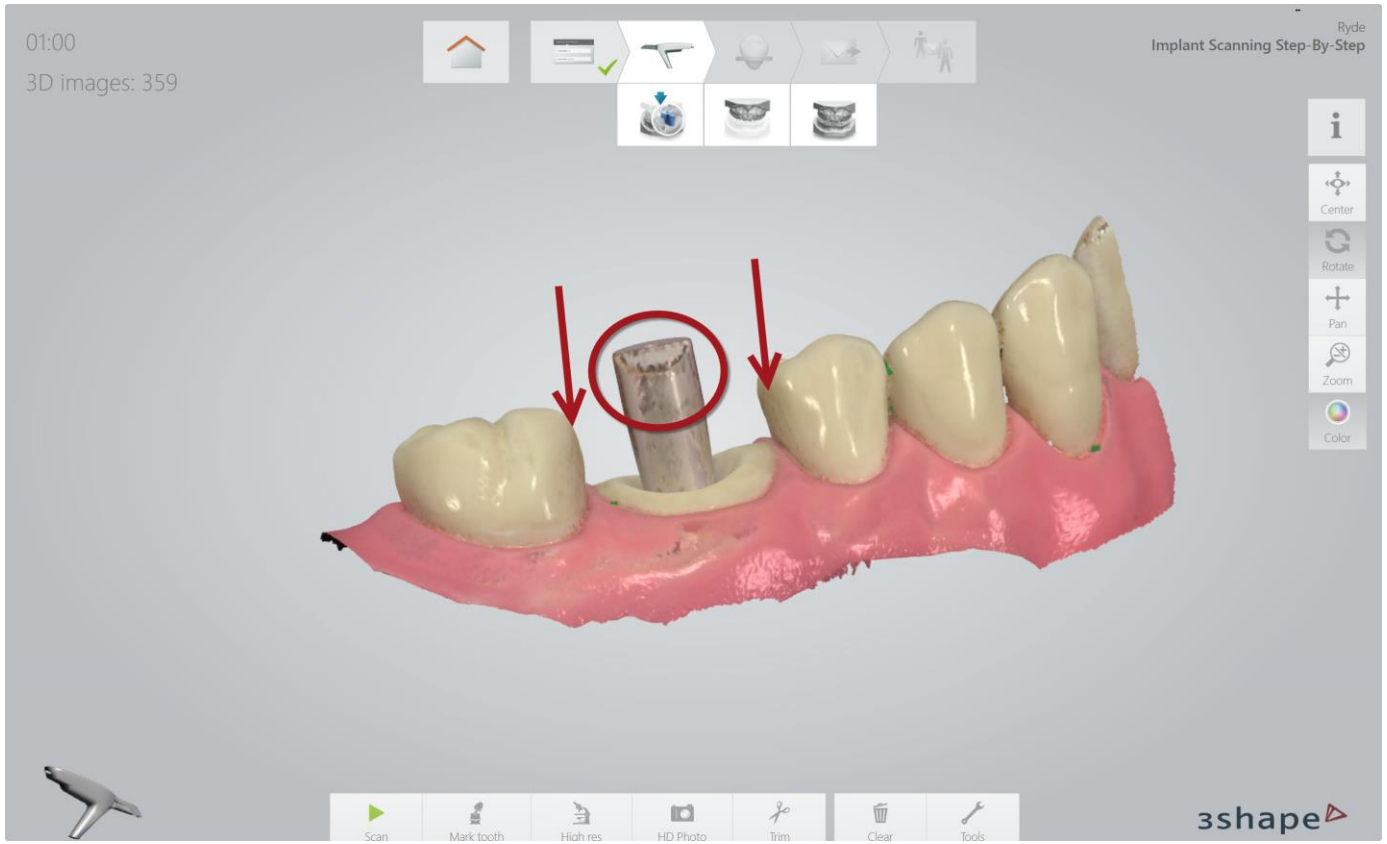
Extra scans disabled



Go directly to the scanbody page

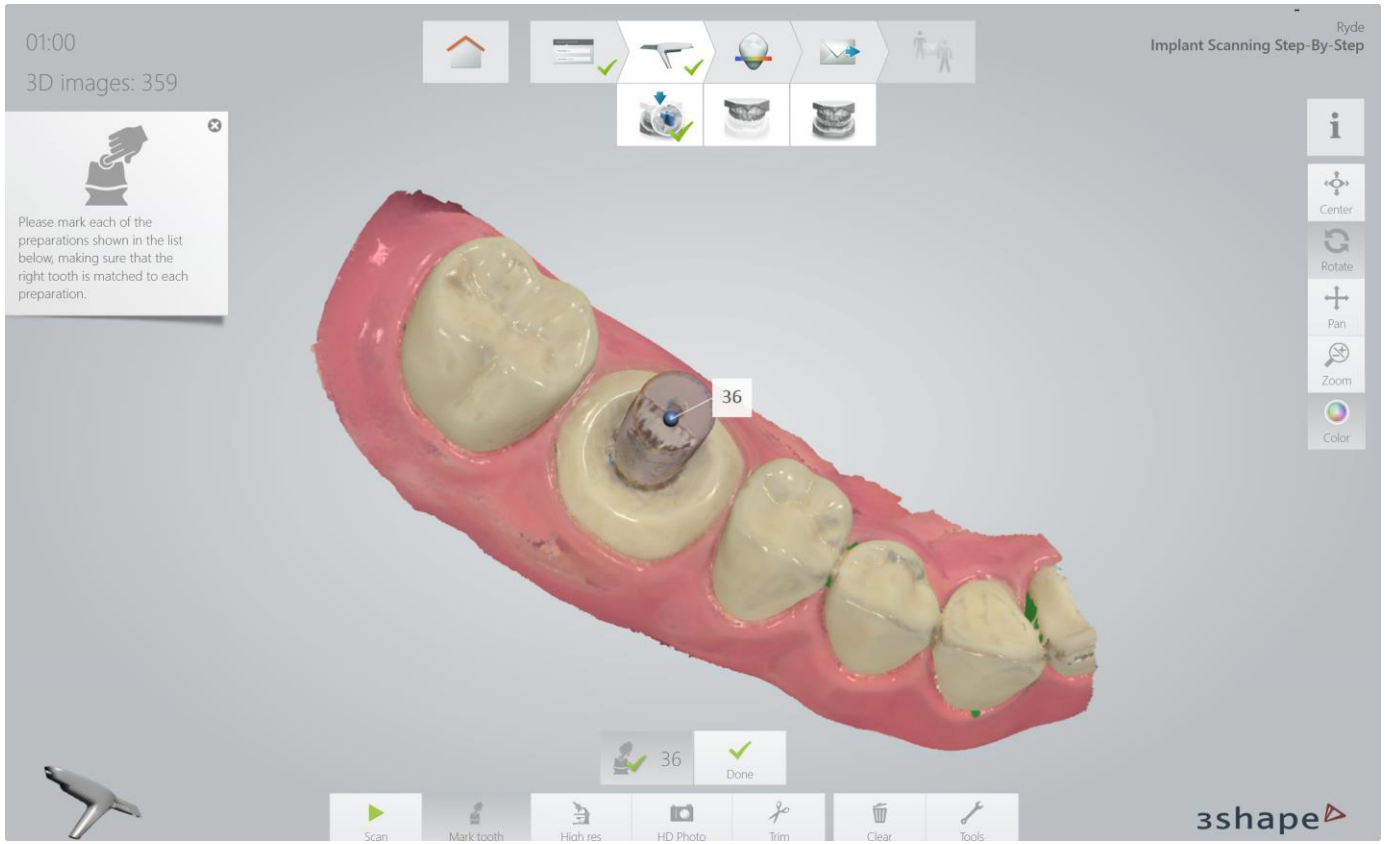


Insert scanbody



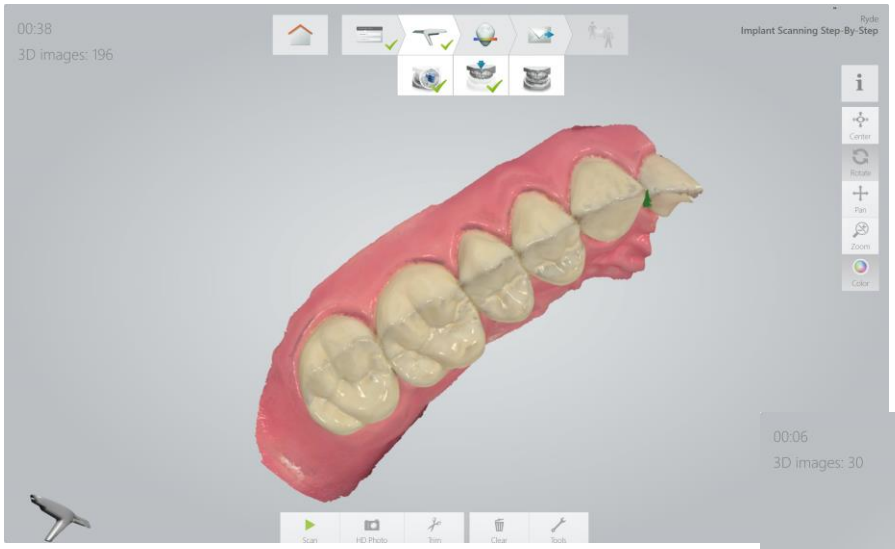
Insert the Scanbody and scan it according to the instructions on slide 18

Mark the tooth

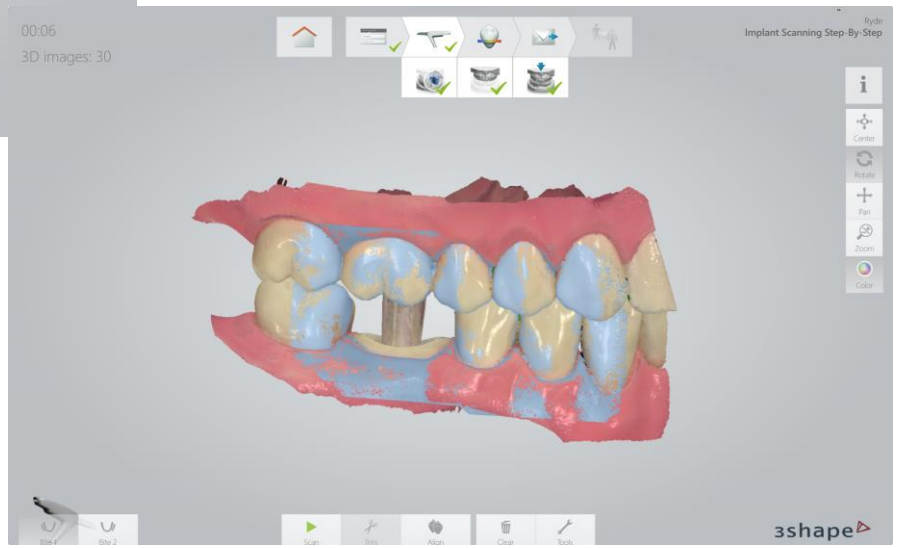


1. Mark the tooth by selecting the center on the top of the scanbody

Finalize scans



1. Scan ”Antagonist”
2. Scan ”Bite” for occlussion



End of Scan Scenario 2

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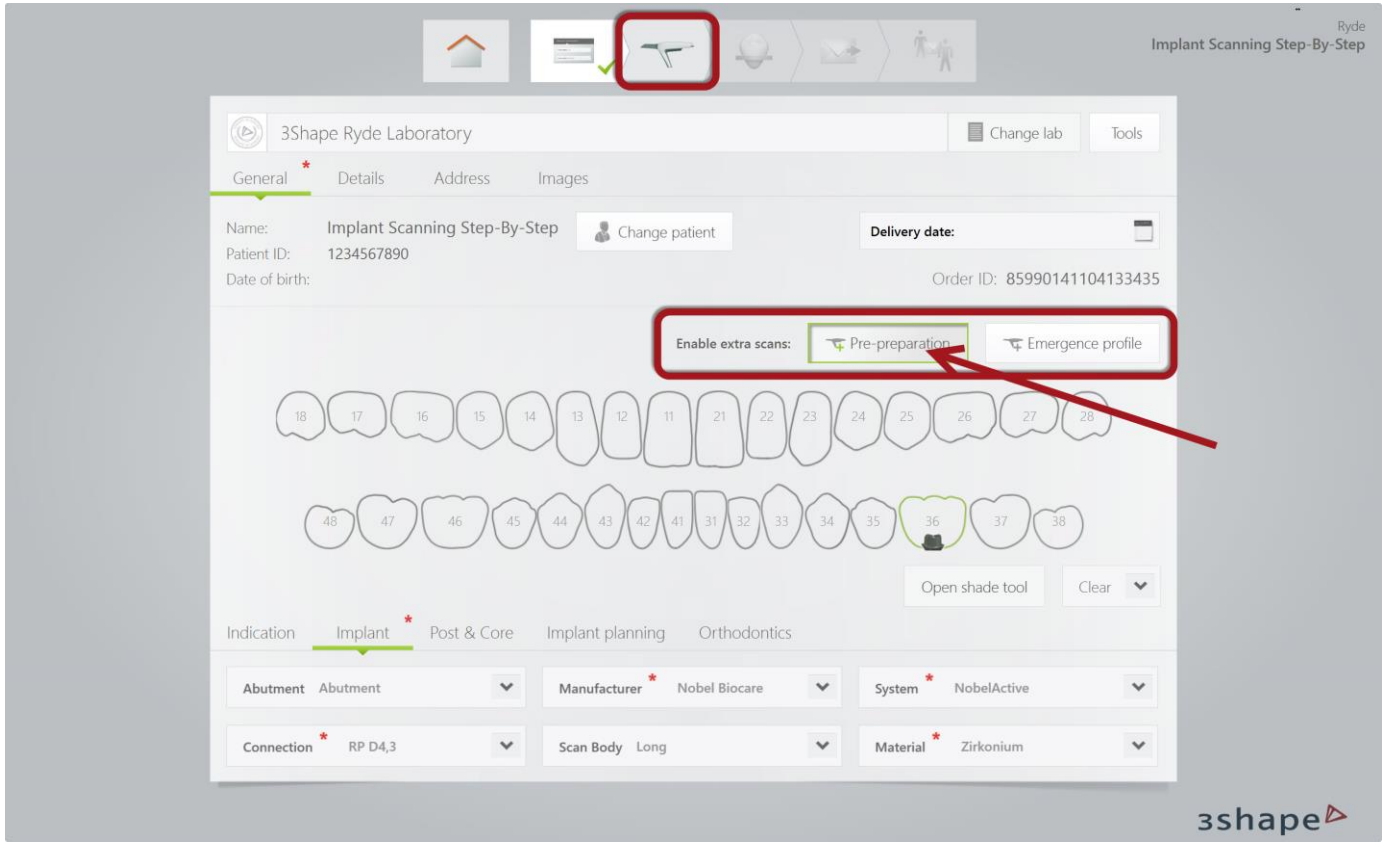
Scenario 3:

Implant Case incl Pre-Preparation Scan

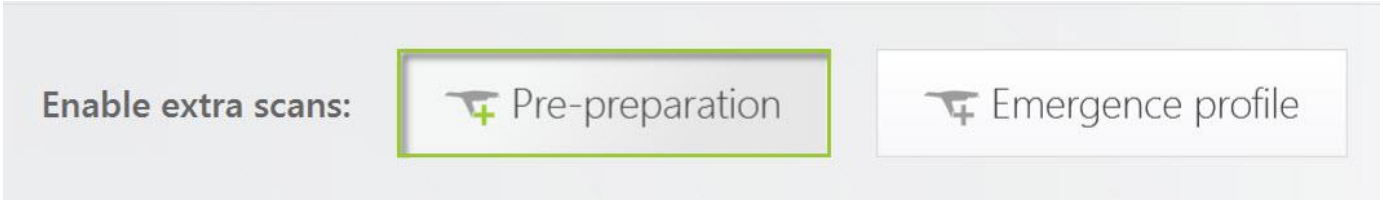
When the morphology of the damaged tooth (prior to extraction), or the temporary can be used for designing the final restoration

Enable Pre-preparation scan

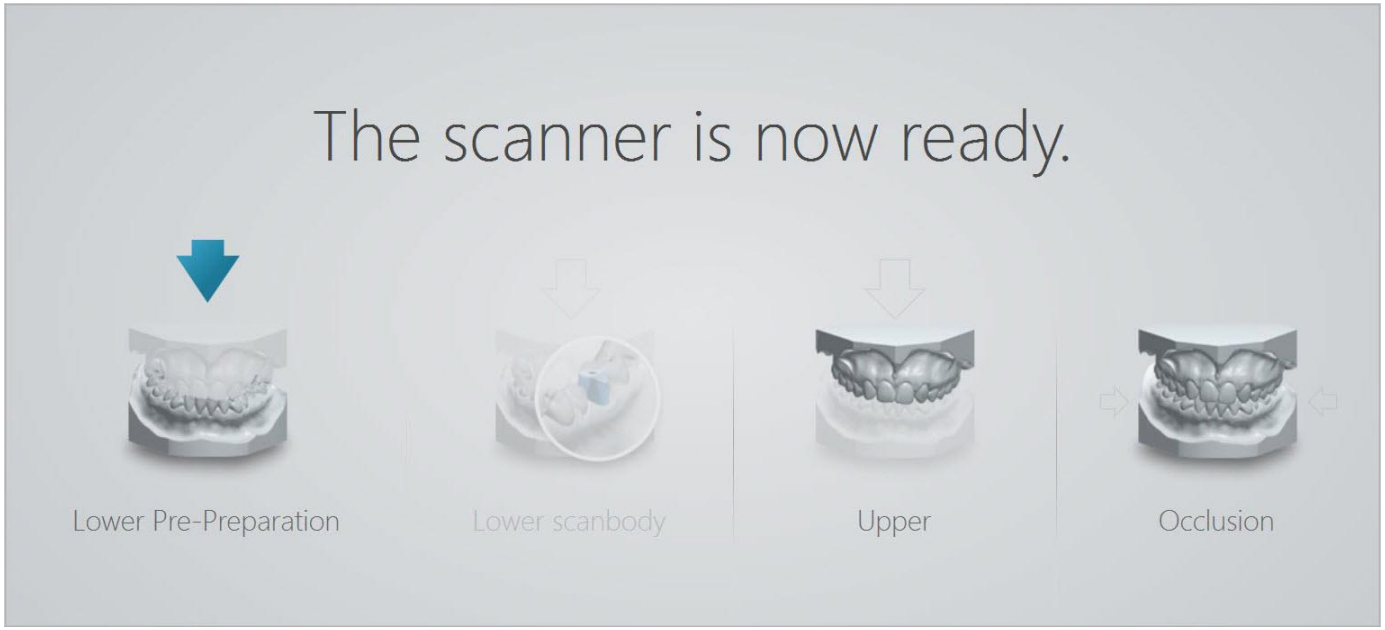


1. Click the ”Pre-preparation” button
2. Go to ”Scan Page”

Pre-preparation scan enabled



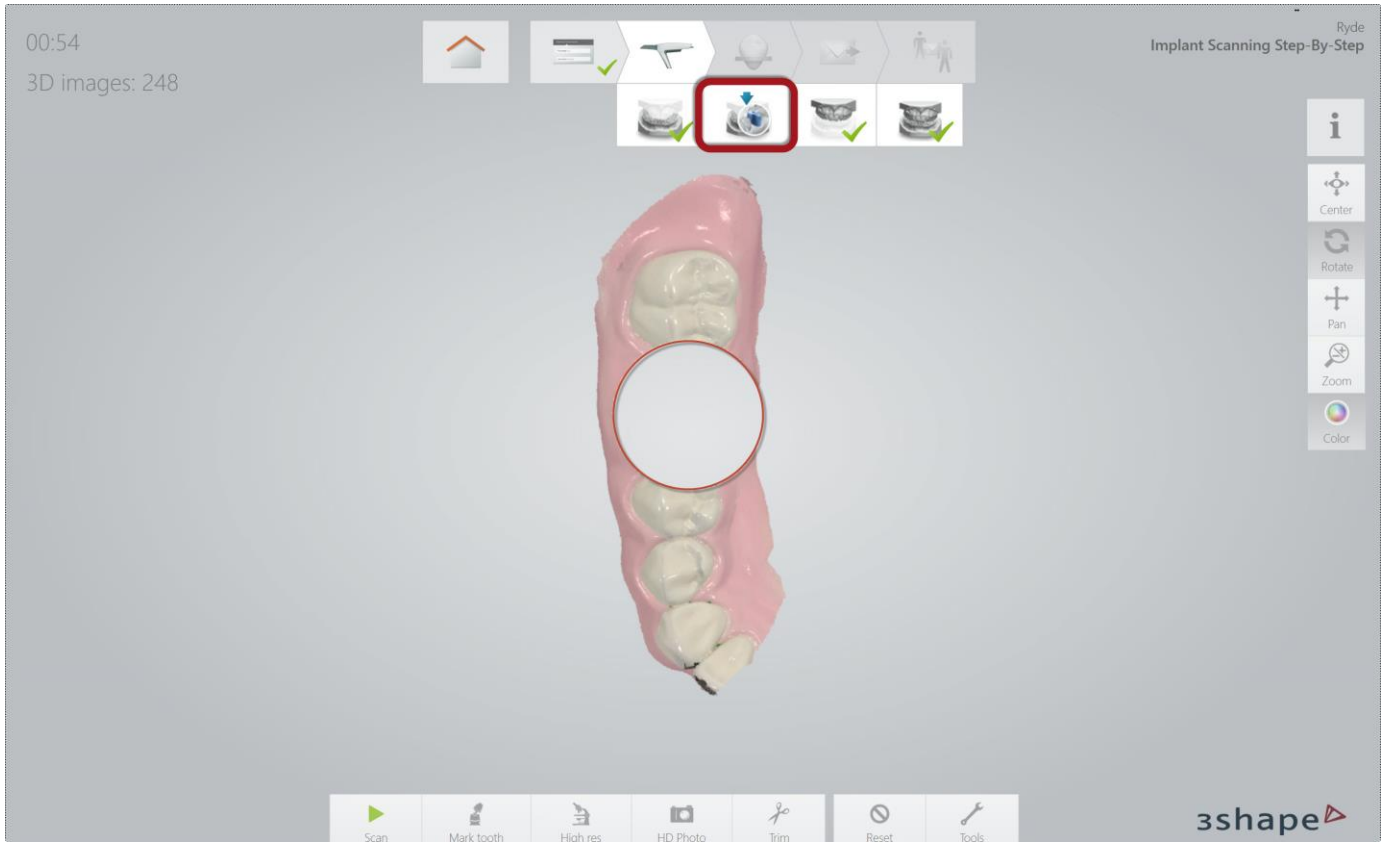
This selcection will activate an extra scan-field:



Scan Pre-preparation

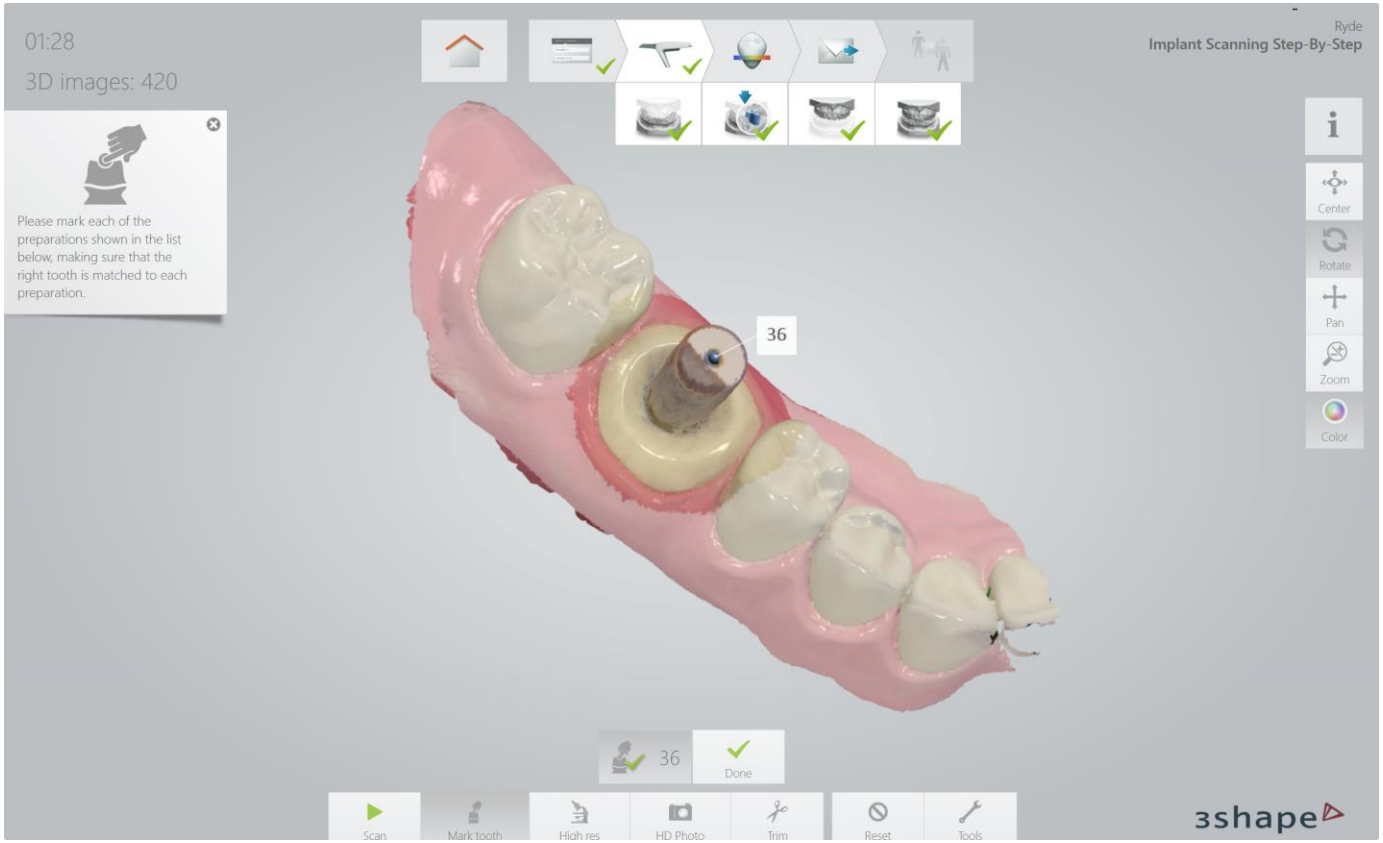
1. Scan the jaw with the Pre-prepared tooth thoroughly as this is the master
2. Mark the center of the tooth from occlusal view

Go to scanbody page



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”

Insert scanbody



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

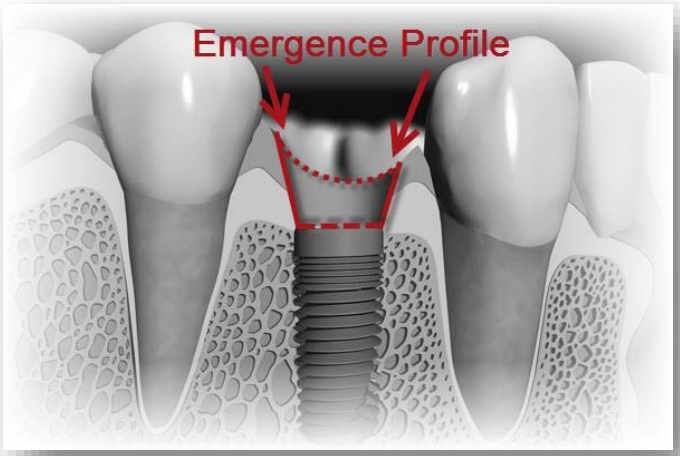
1. Scan ”Antagonist”
2. Scan ”Bite” for occlussion

End of Scan Scenario 3

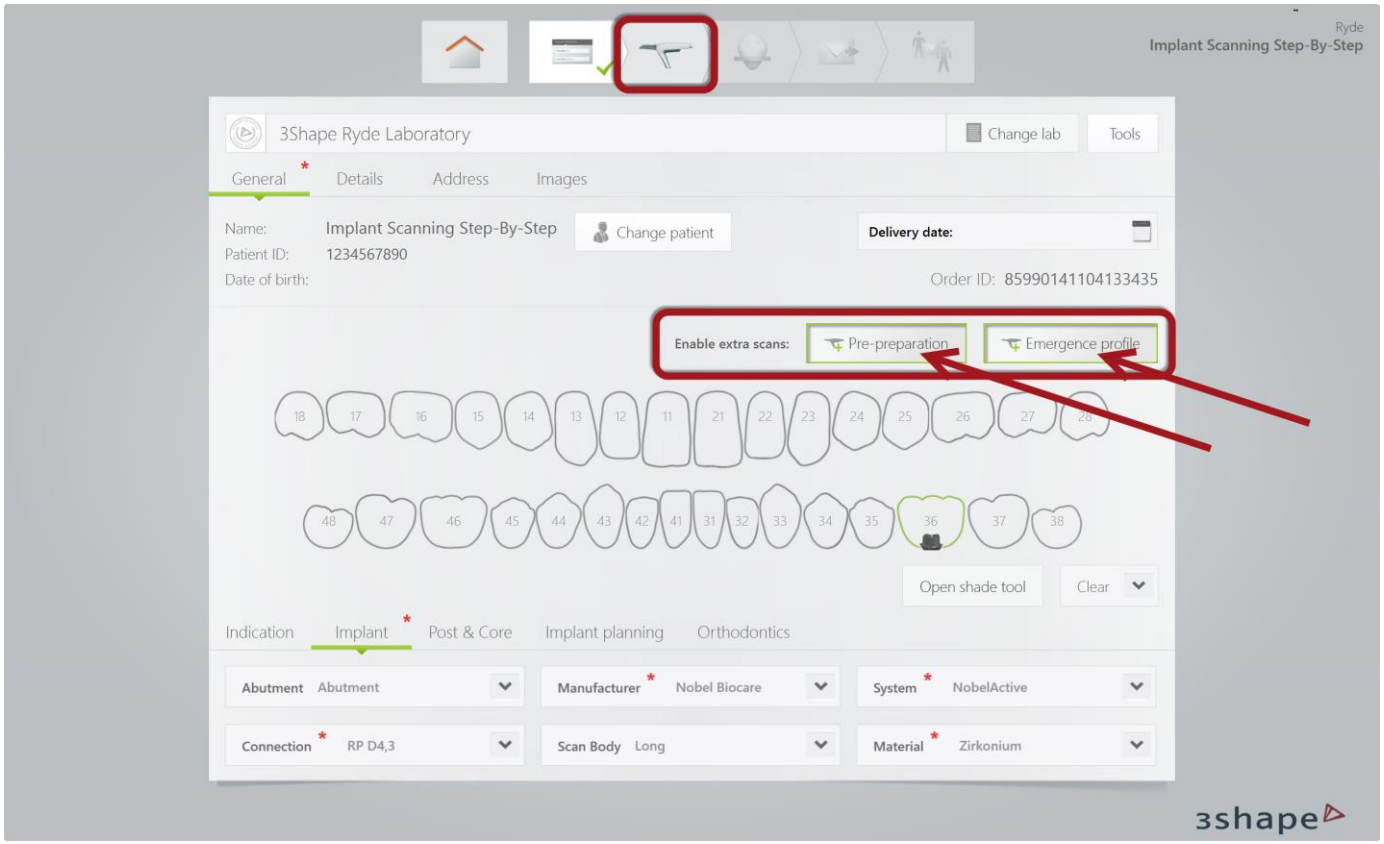
Scenario 4:

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

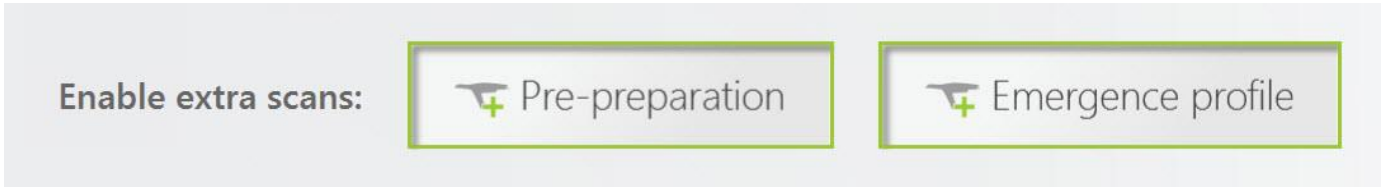


Enable Pre-preparation + Emergence profile scans

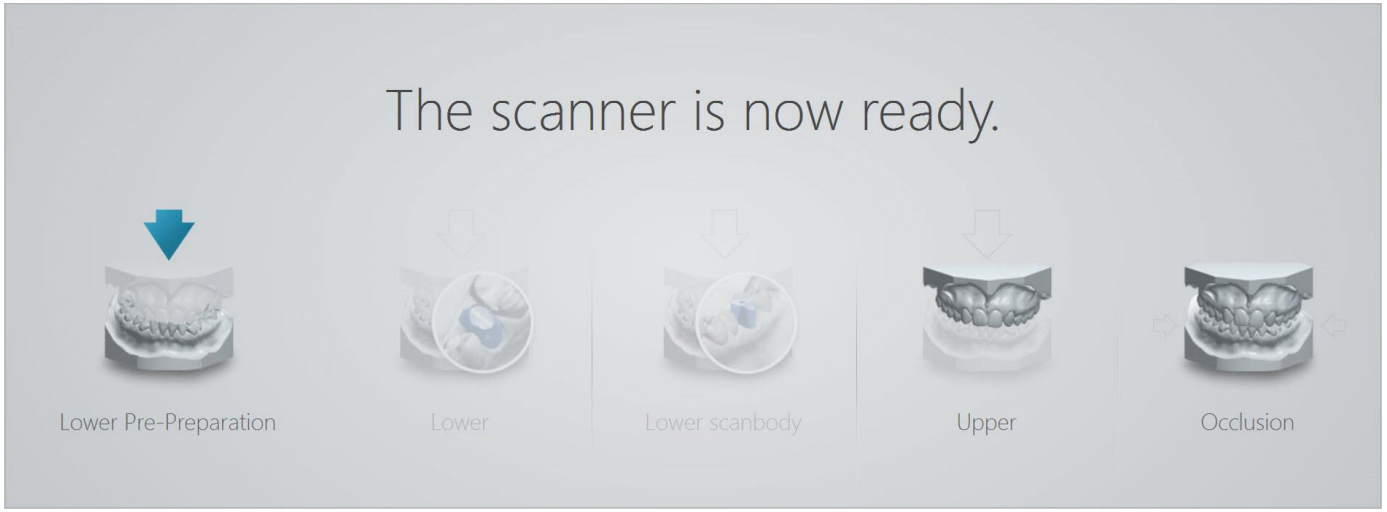


1. Click the ”Pre-preparation” and the ”Emergence profile” buttons
2. Go to ”Scan Page”

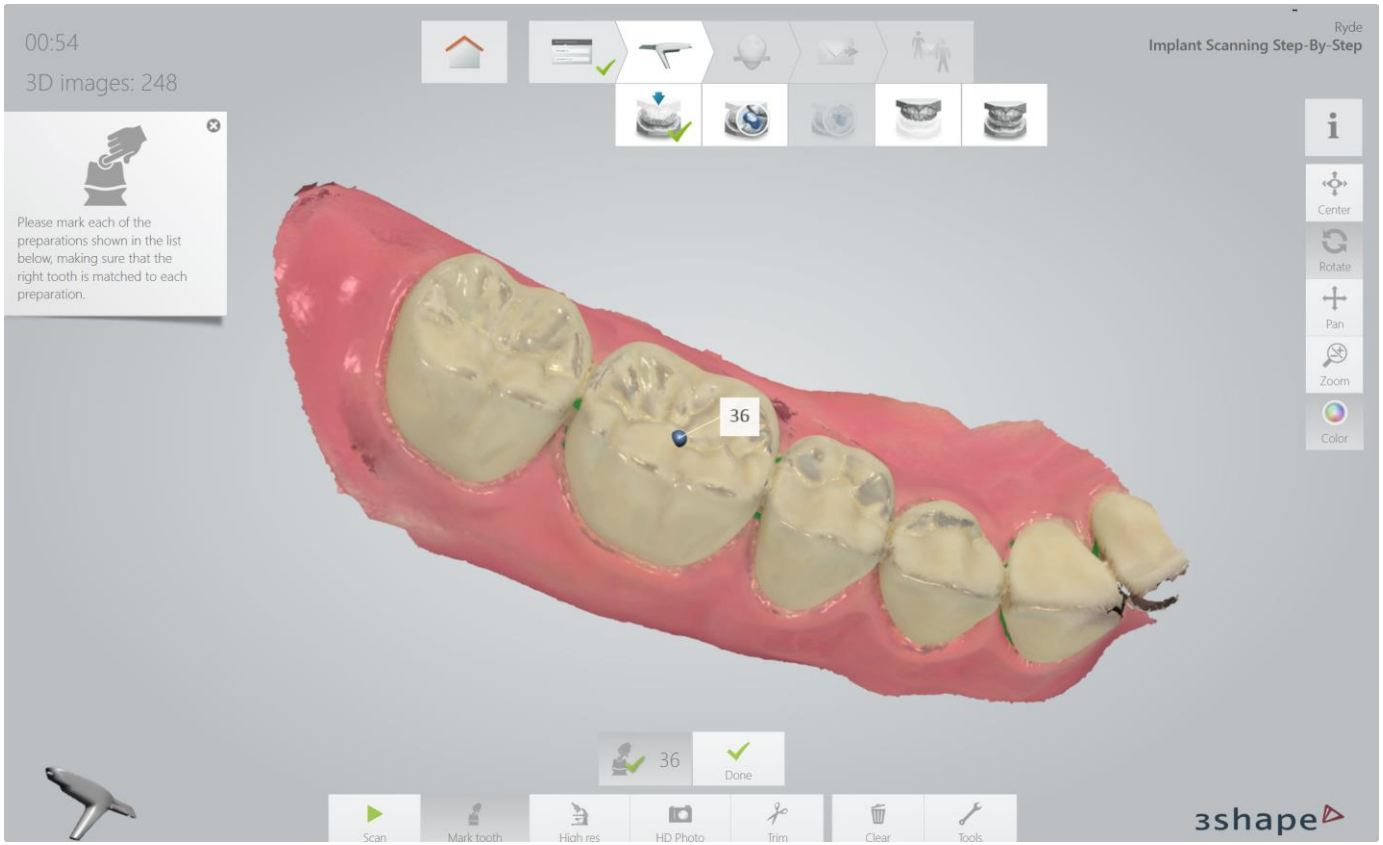
Pre-preparation and Emergence Profile scans enabled



This selcection will activate two extra scan-fields:

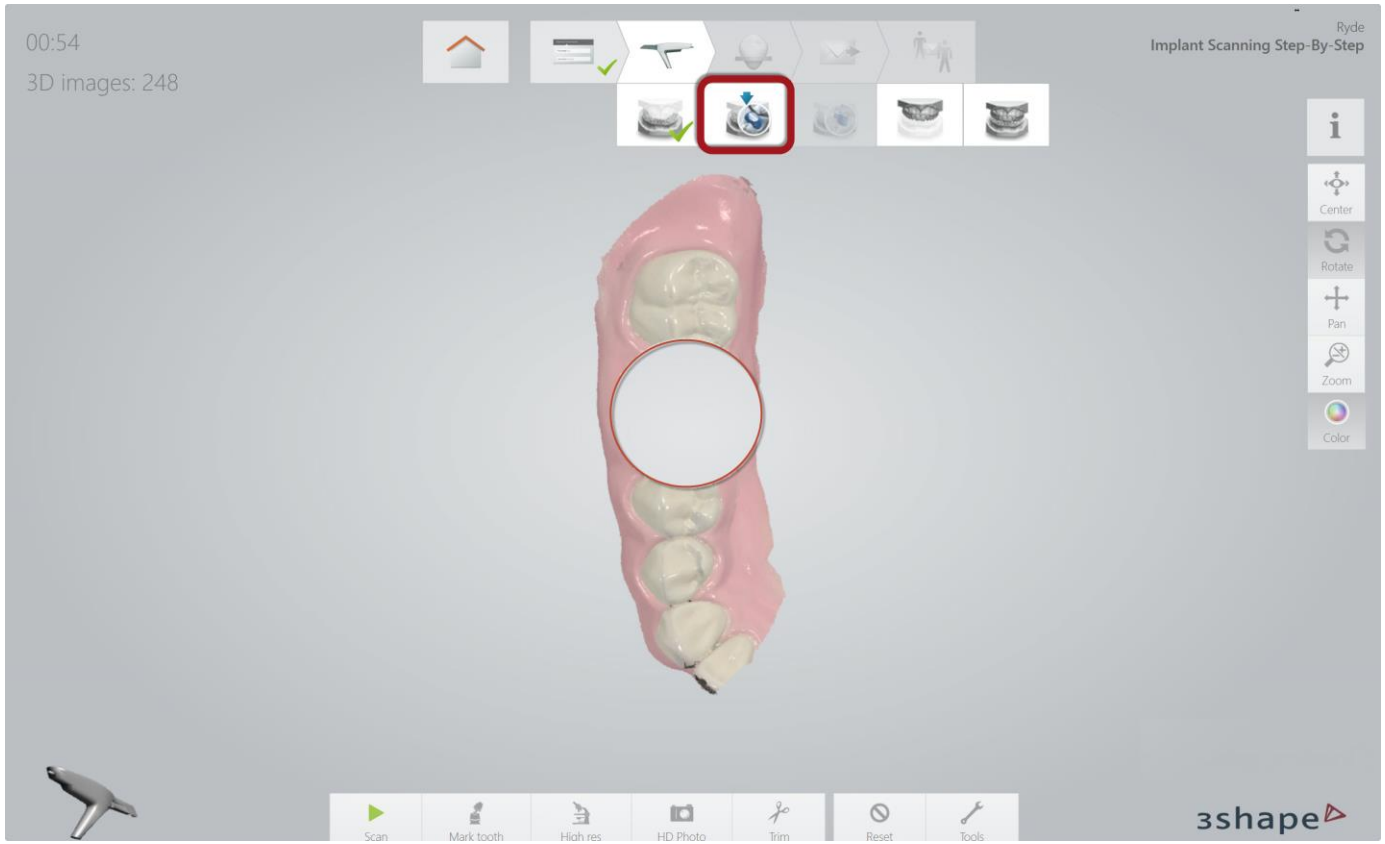


Scan Pre-preparation



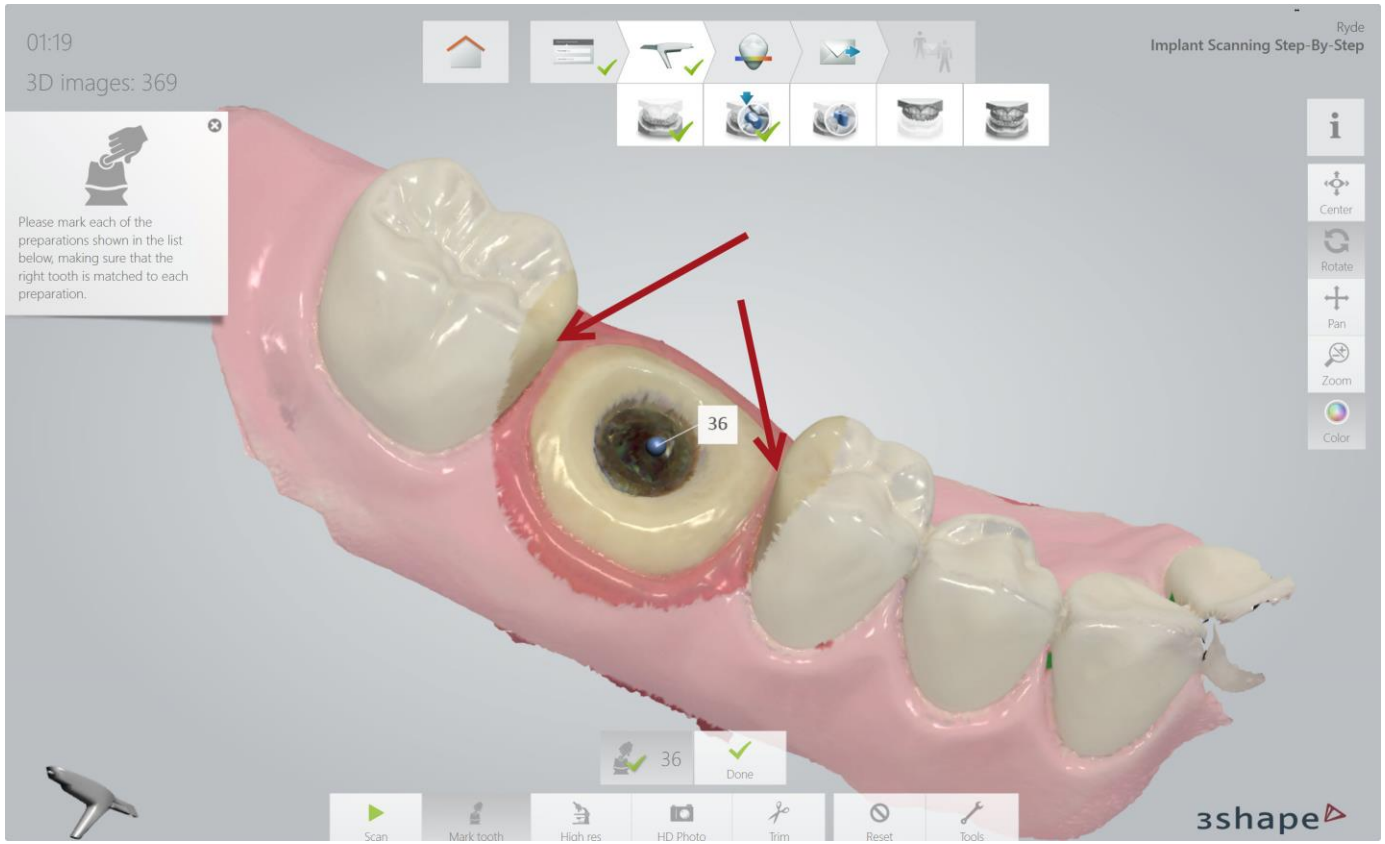
1. Scan the jaw with the Pre-prepared tooth thoroughly as this is the master
2. Mark the center of the tooth from occlusal view

Go to Lower scan page



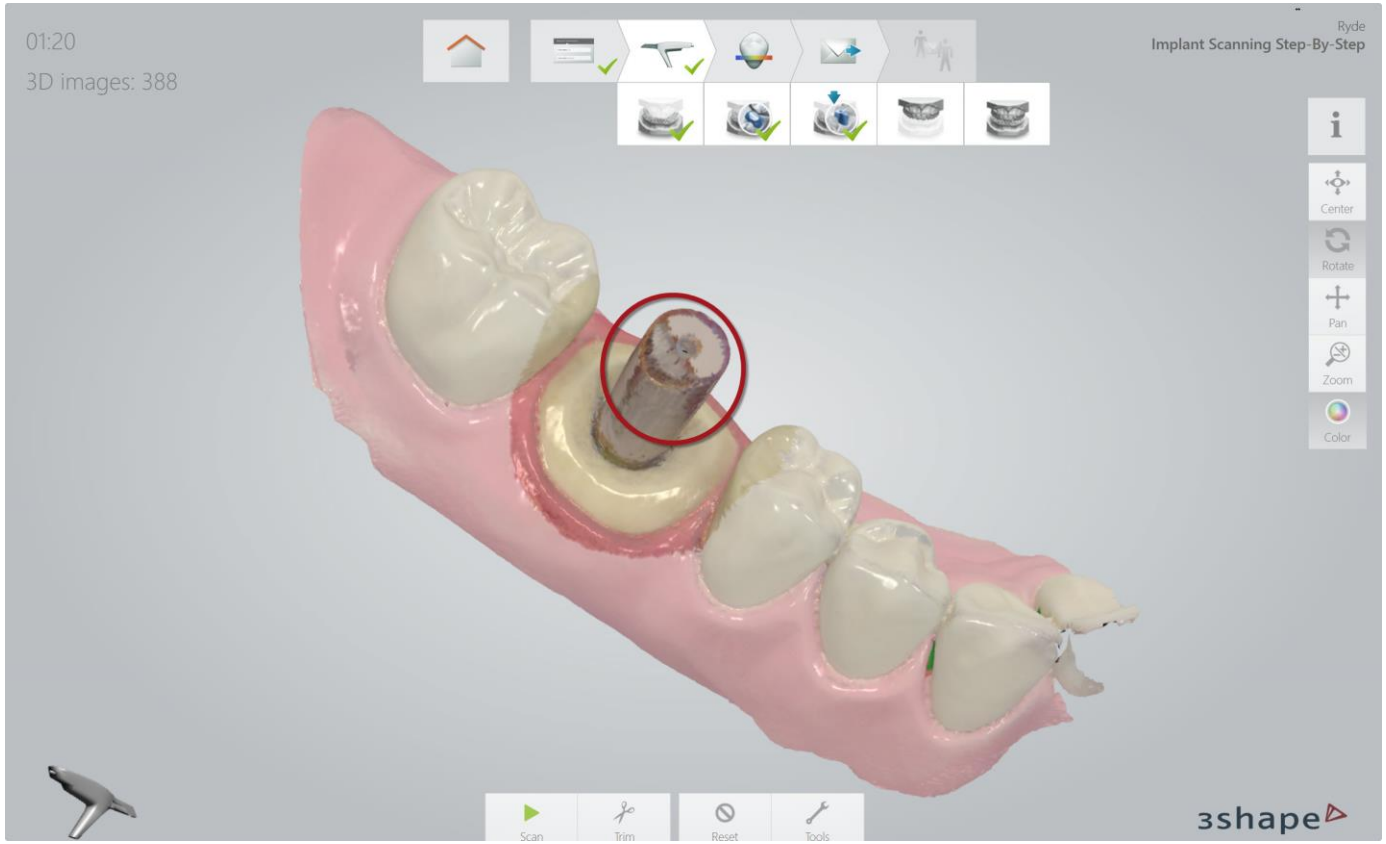
1. A copy of the Master Scan appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the Emergence profile
3. You can remove a little more by using the ”Trim Tool”

Scan emergence profile



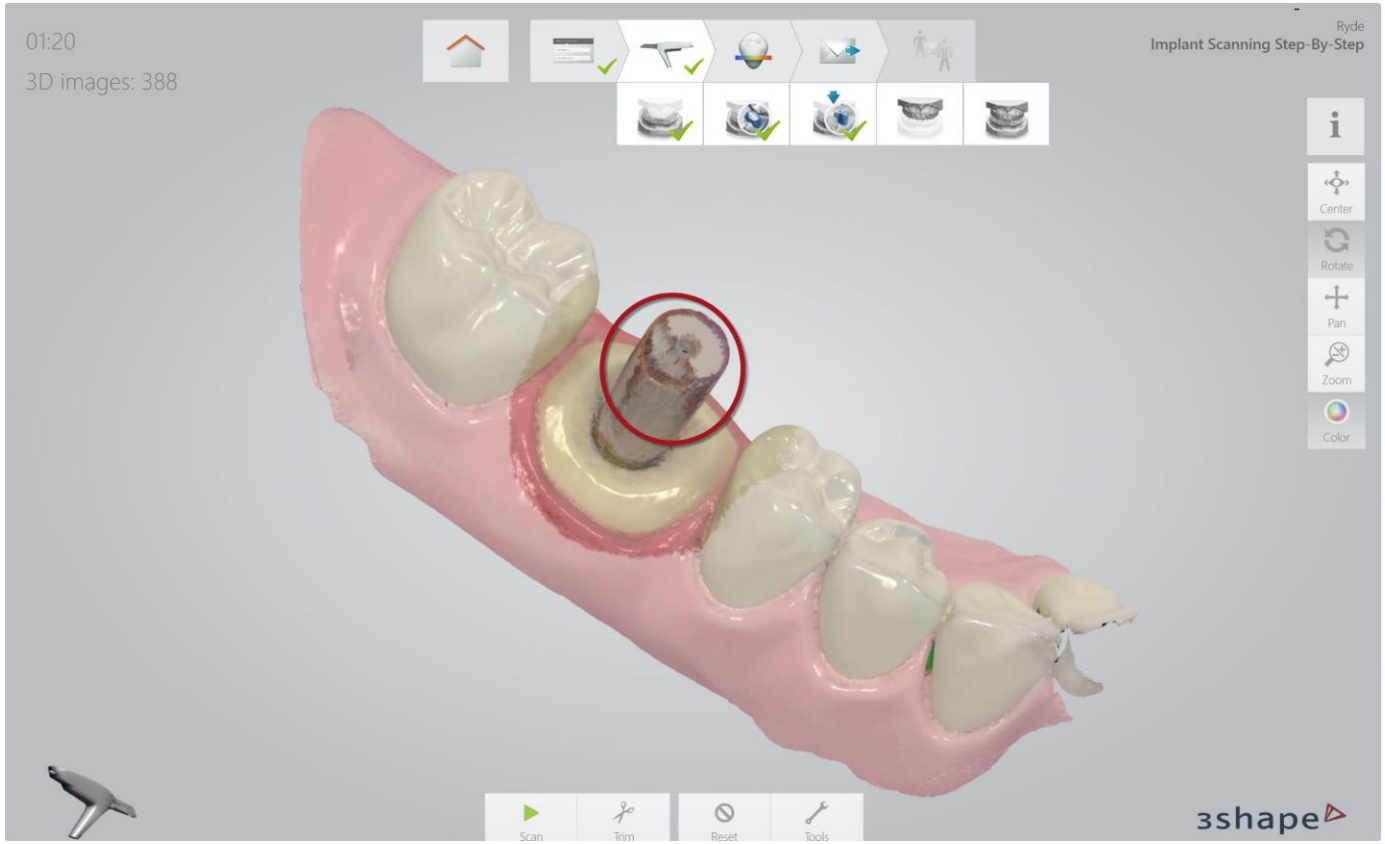
1. Scan emergence profile immidiately after removal of healing cap/abutment
2. Stop scanning as soon as the emergence profile is covered
3. Mark the tooth as close to the screwhole as possible!

Go to lower scanbody page



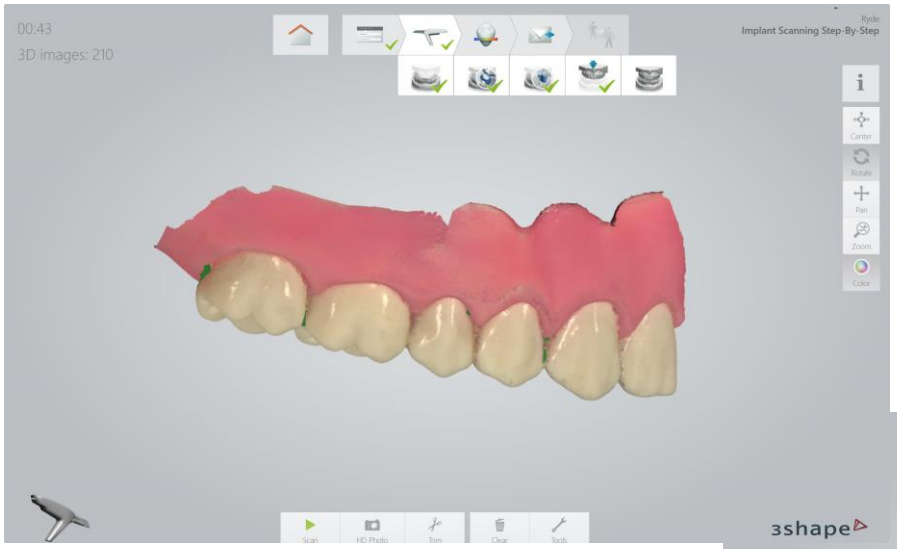
1. A copy of the Master Scan incl Emergence profile appears
2. The spot where the tooth was marked has been cut-out automatically in order to make space for the scanbody
3. You can remove a little more by using the ”Trim Tool”

Insert scanbody

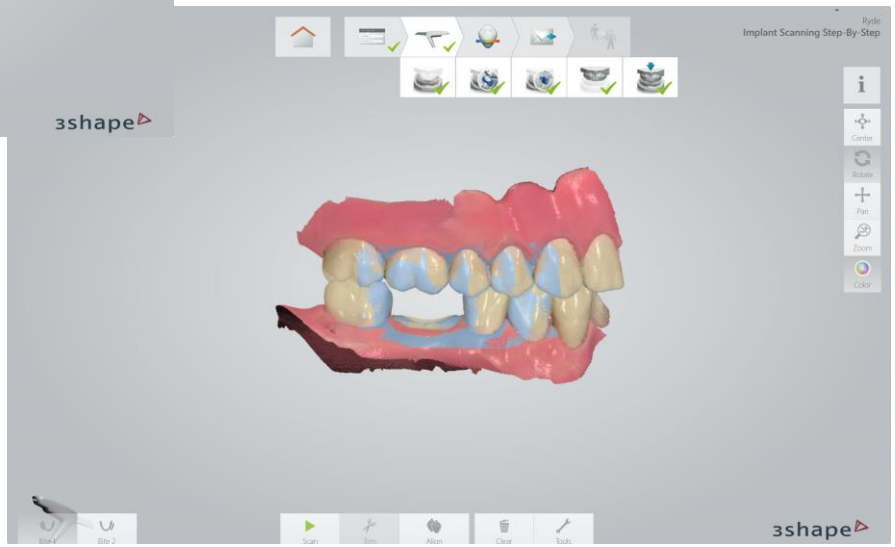


1. Insert the Scanbody and scan it according to the instructions on slide 18
2. Mark the tooth by selecting the center on the top of the scanbody

Finalize scans



1. Scan ”Antagonist”
2. Scan ”Bite” for occlussion



End of Scan Scenario 4

Technology designed the way you work

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