



LOMA LINDA UNIVERSITY

School of Dentistry



# Digital Workflow

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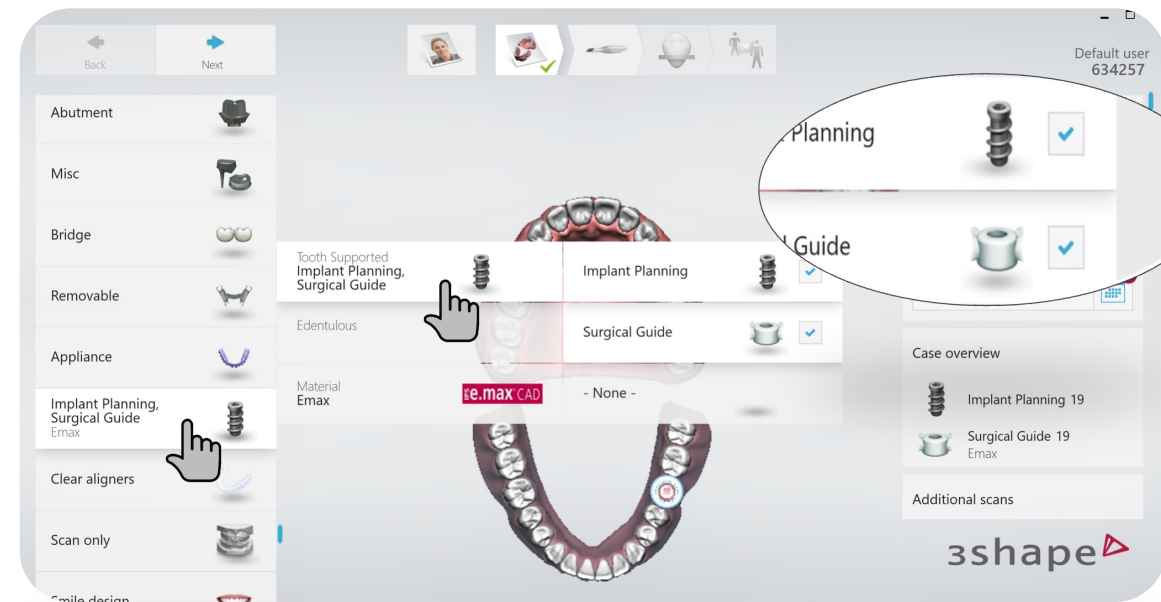
Mohammed Alfaifi, BDS, MS, Dip.Pros, DABP, FRCDC, FACP  
King Khalid University - Collage of Dentistry  
Loma Linda University - School of Dentistry

3 shape

**Implant studio**

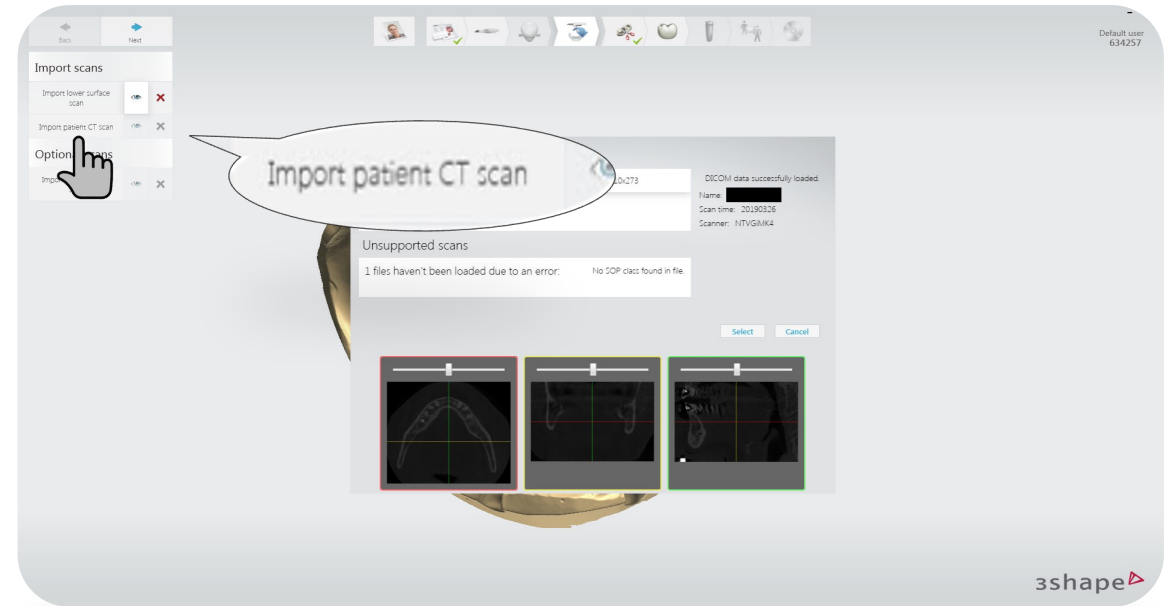
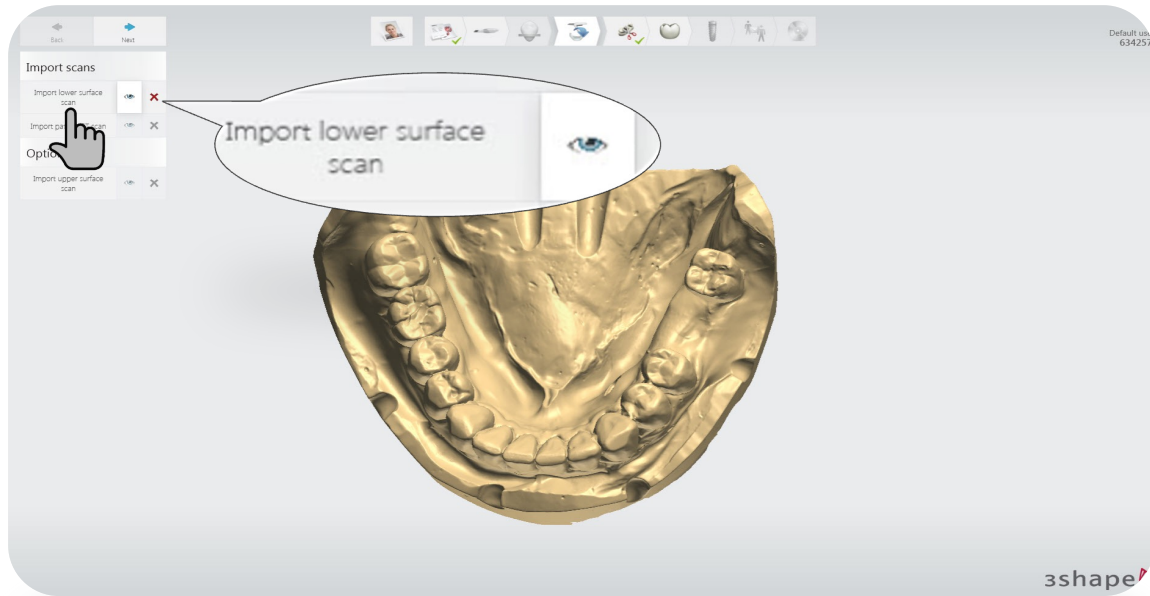


# Planning selection

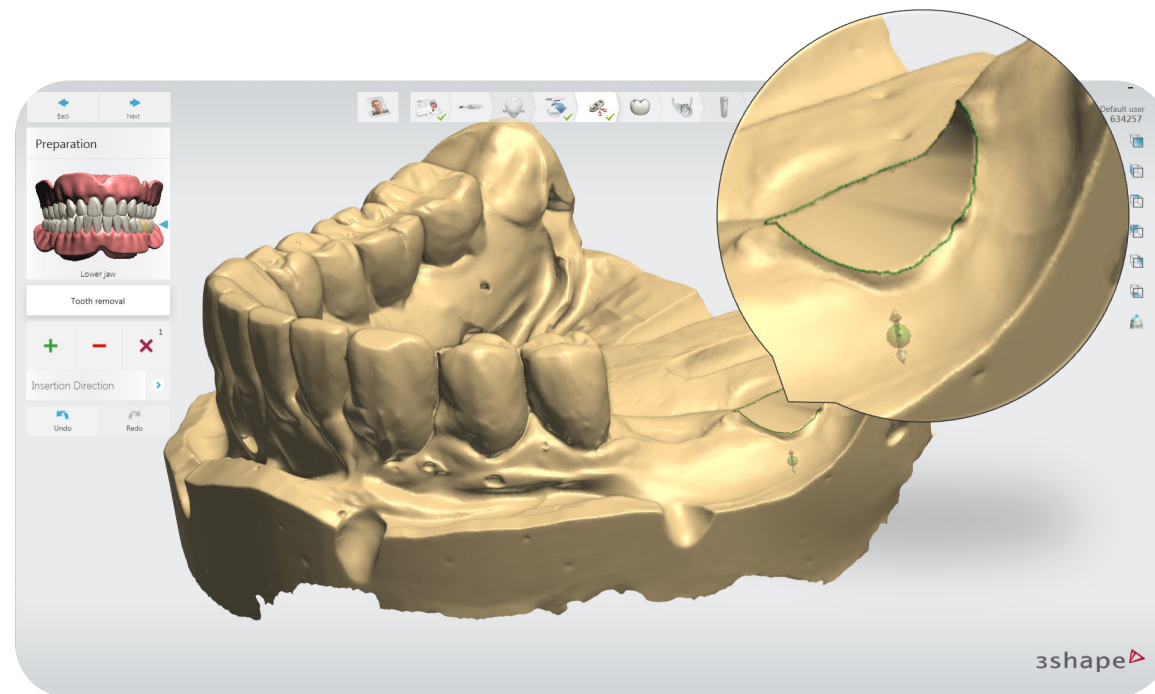
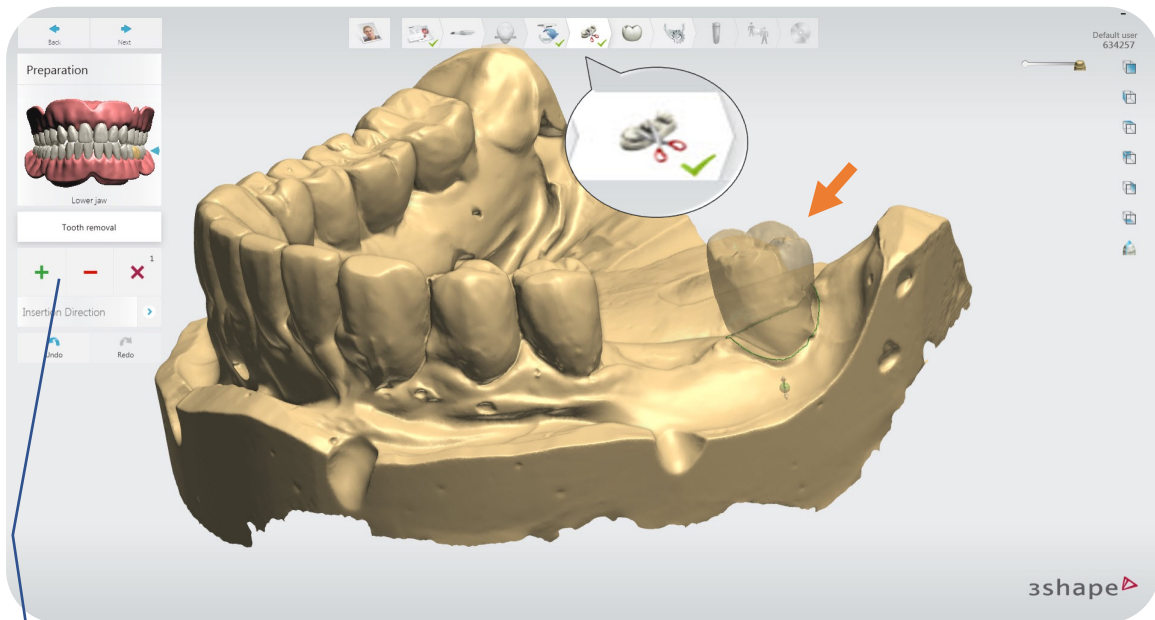


**Search for the patient by chart number.  
Select the tooth/teeth being worked on.**

# Import the CBCT and STL

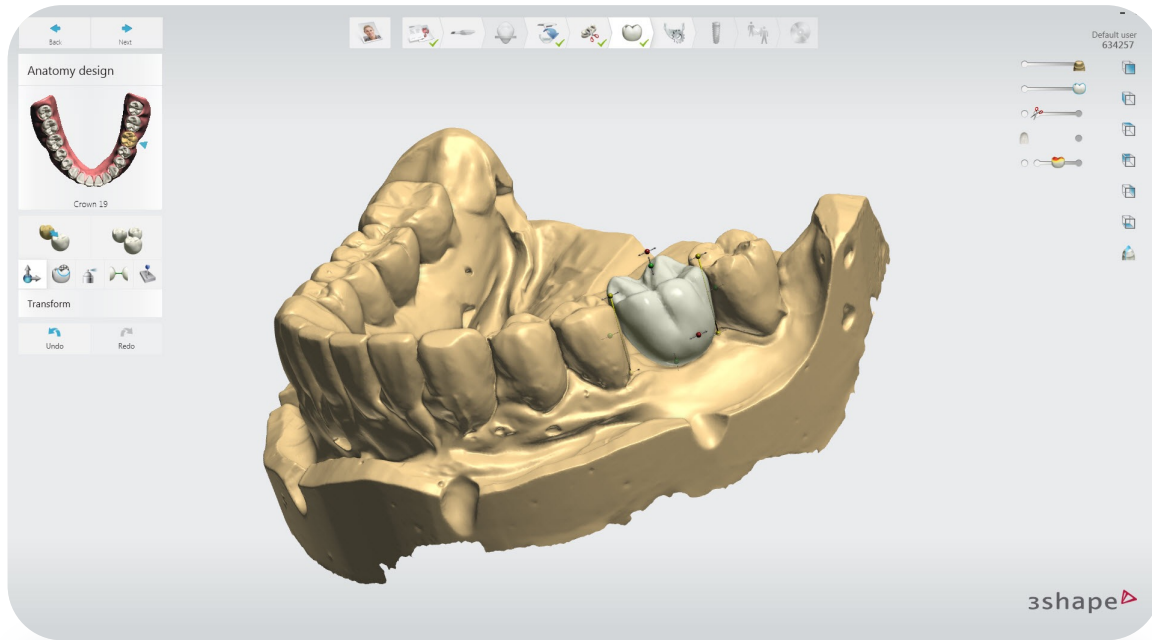


# Tooth/ teeth removal

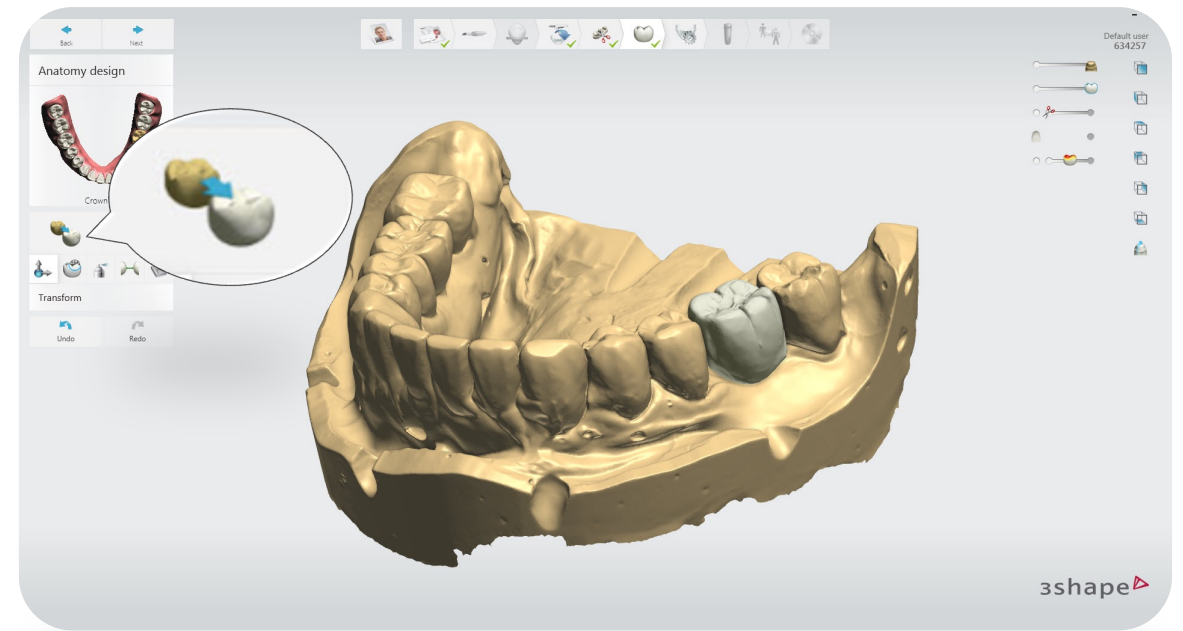


+ to select tooth - to deselect tooth  
X to delete tooth from the scanned cast

# Diagnostic Wax-up

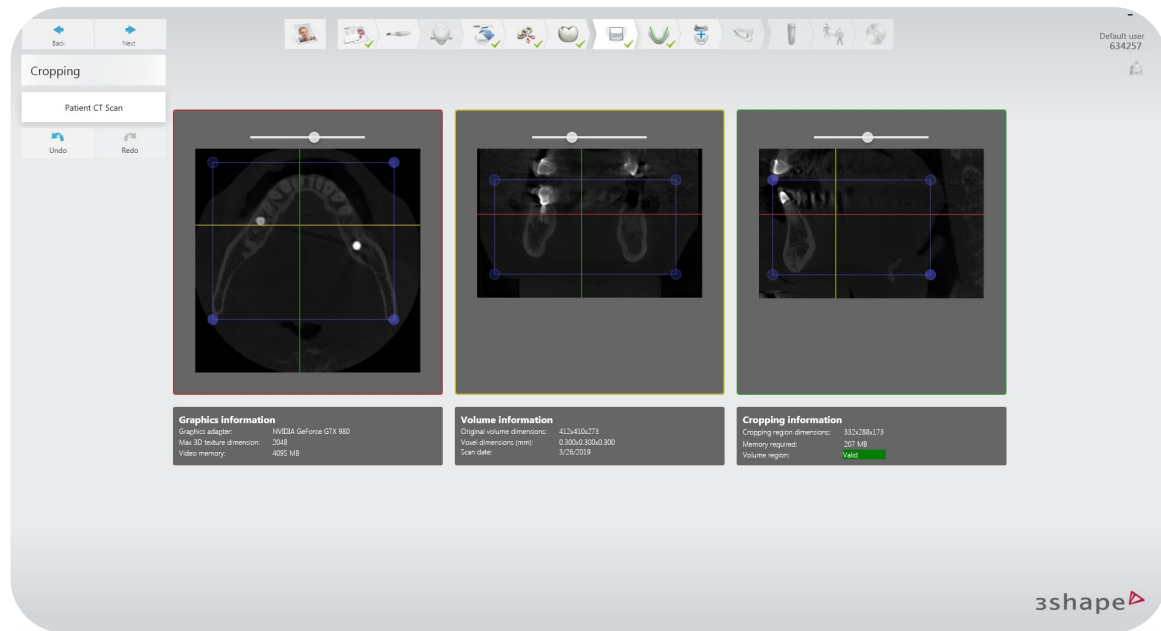


Virtual wax pattern made from software library

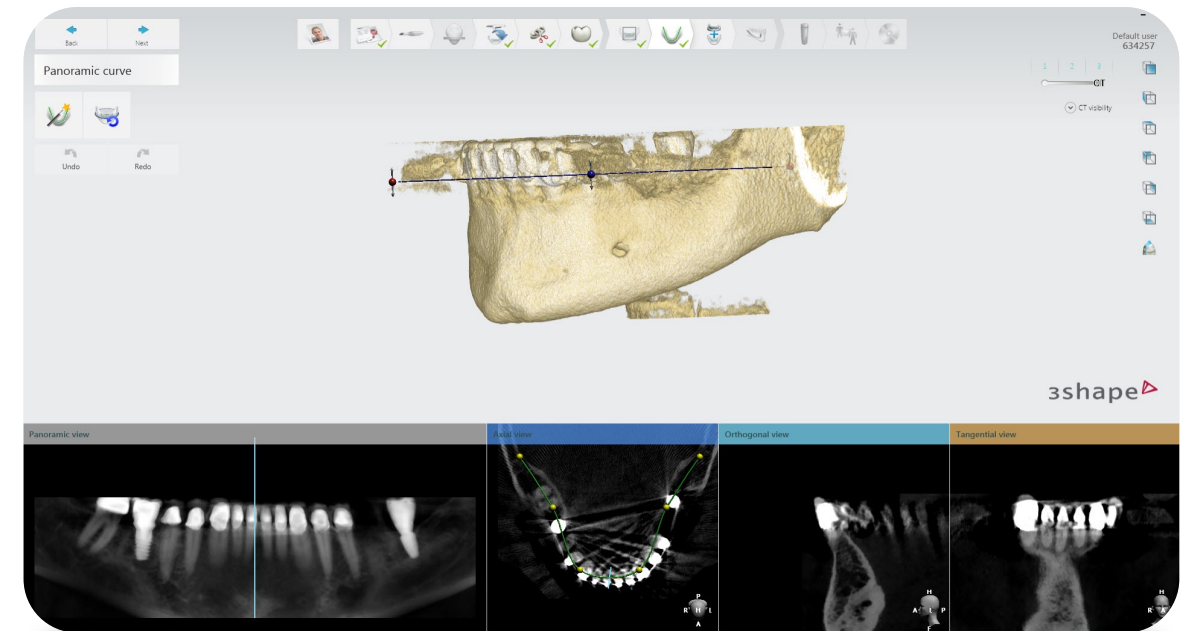


Virtual wax pattern using contralateral tooth anatomy

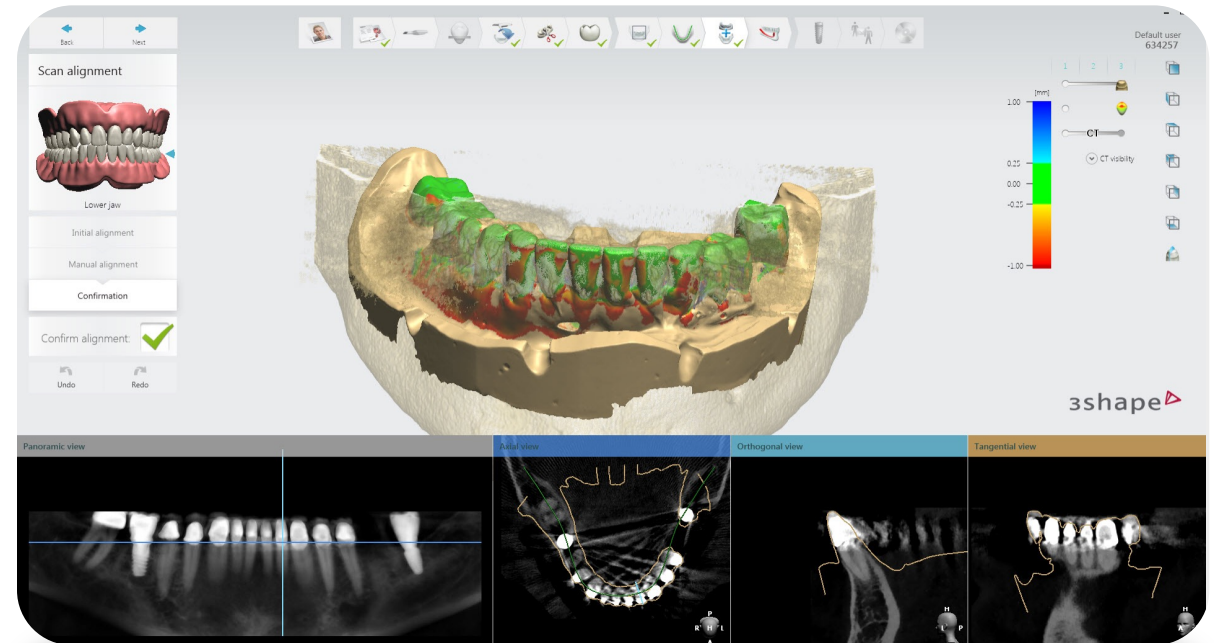
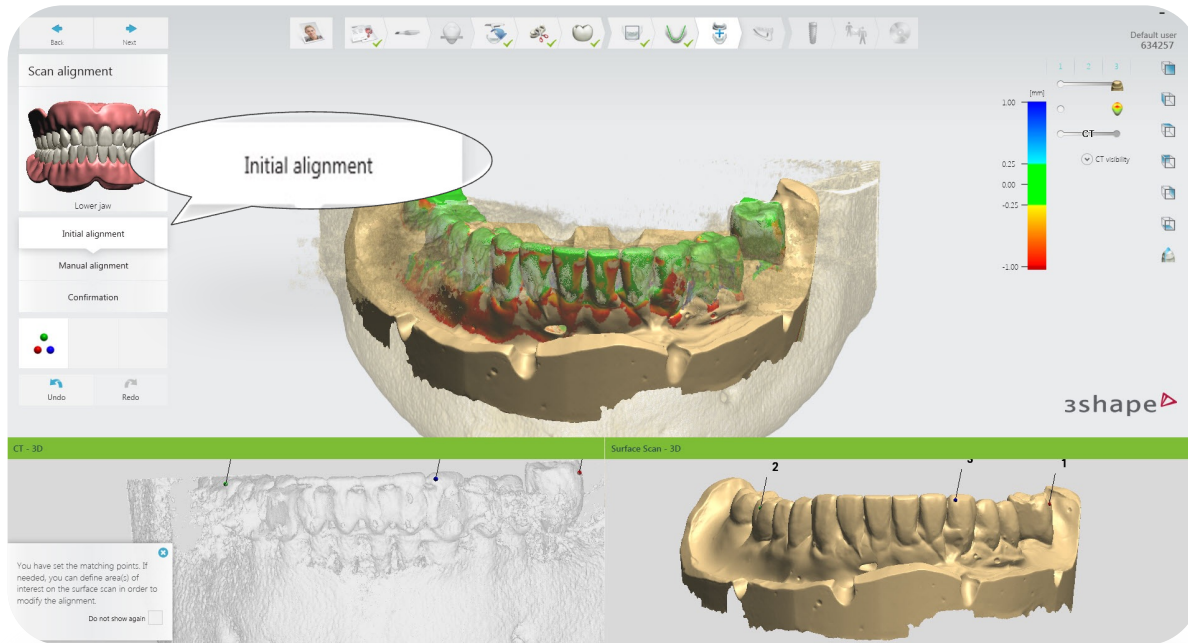
# Crop CBCT Scan to reduce volume



# Set Panoramic Curve

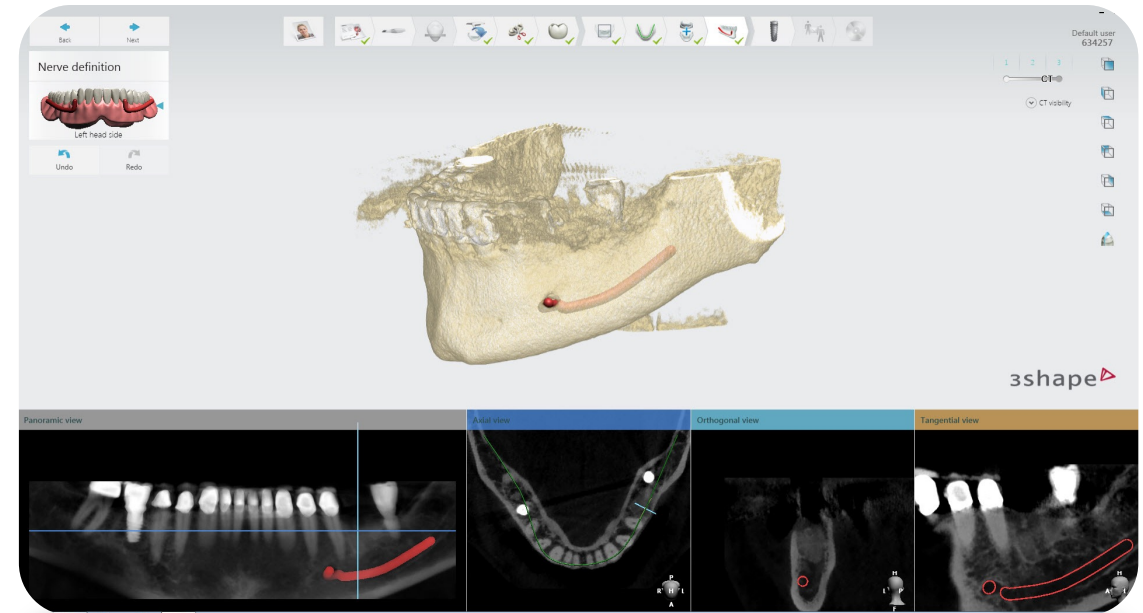
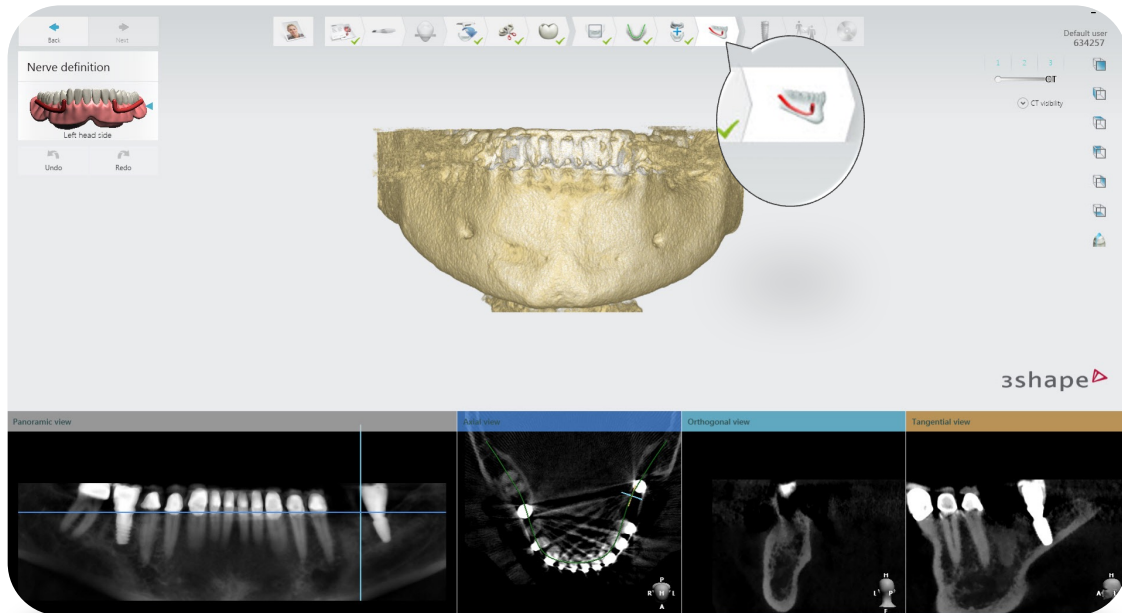


# Align Scans

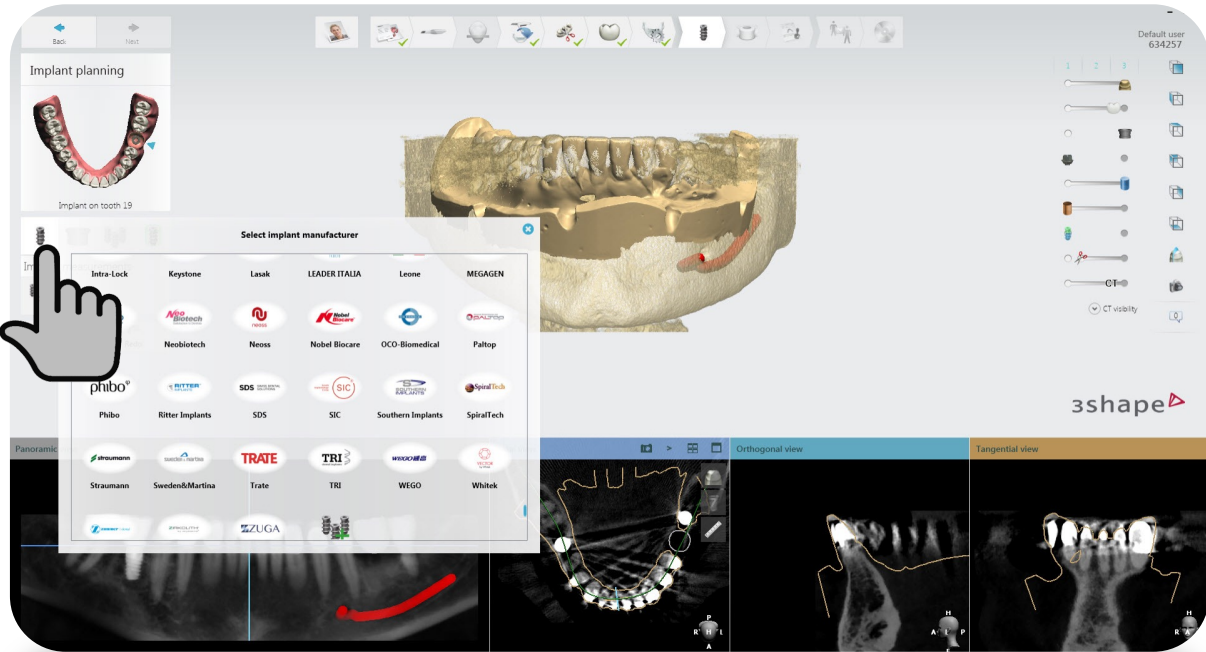
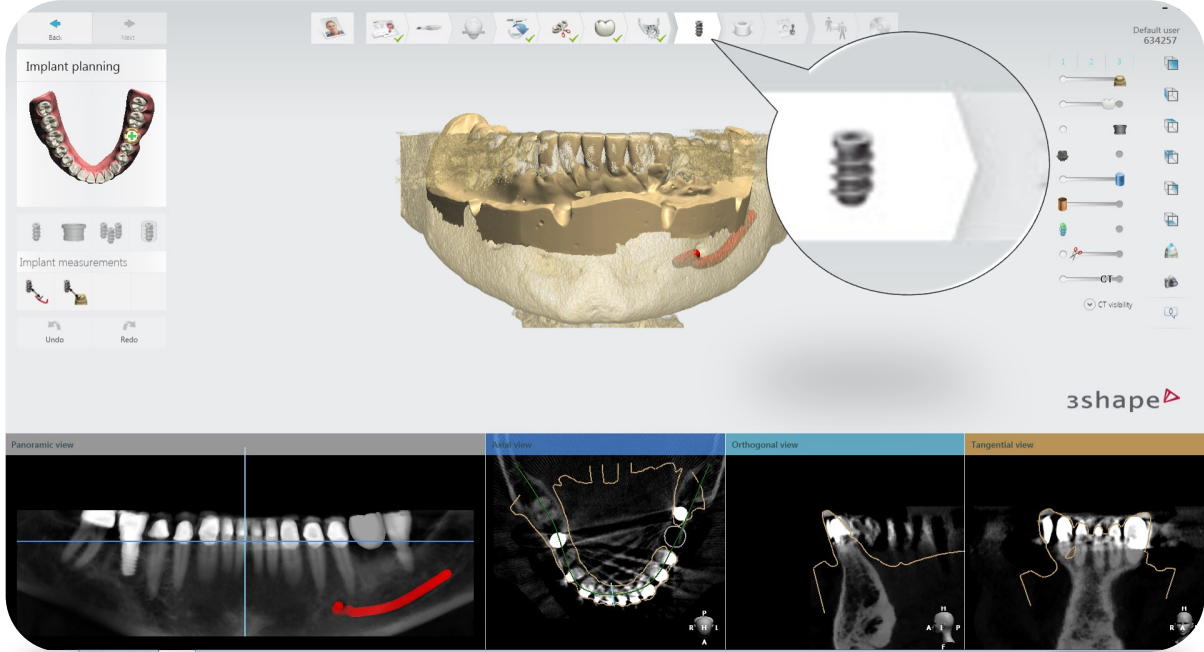




# Nerve definition

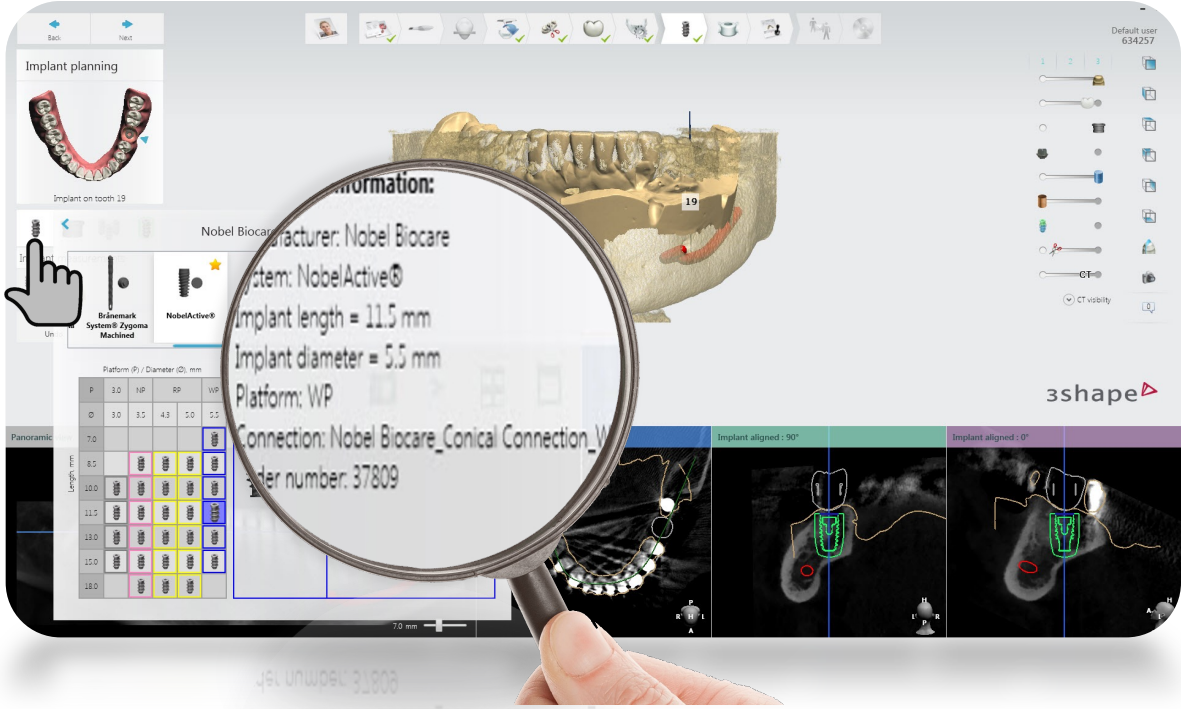


# Implant planning

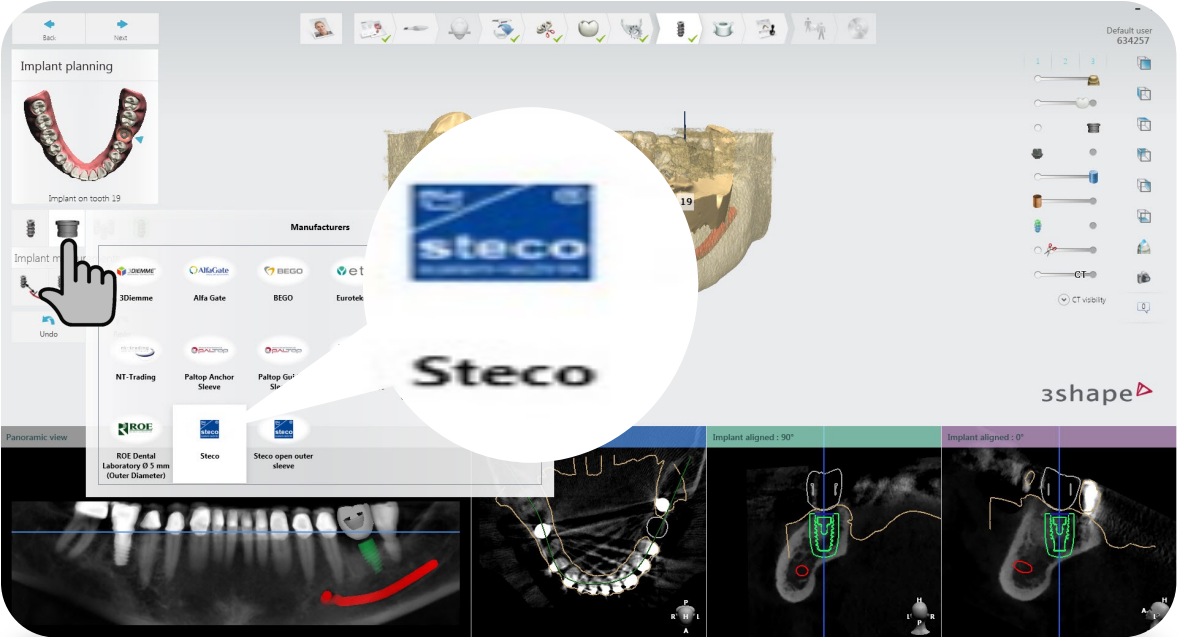


Different implant companies are available

# Implant planning

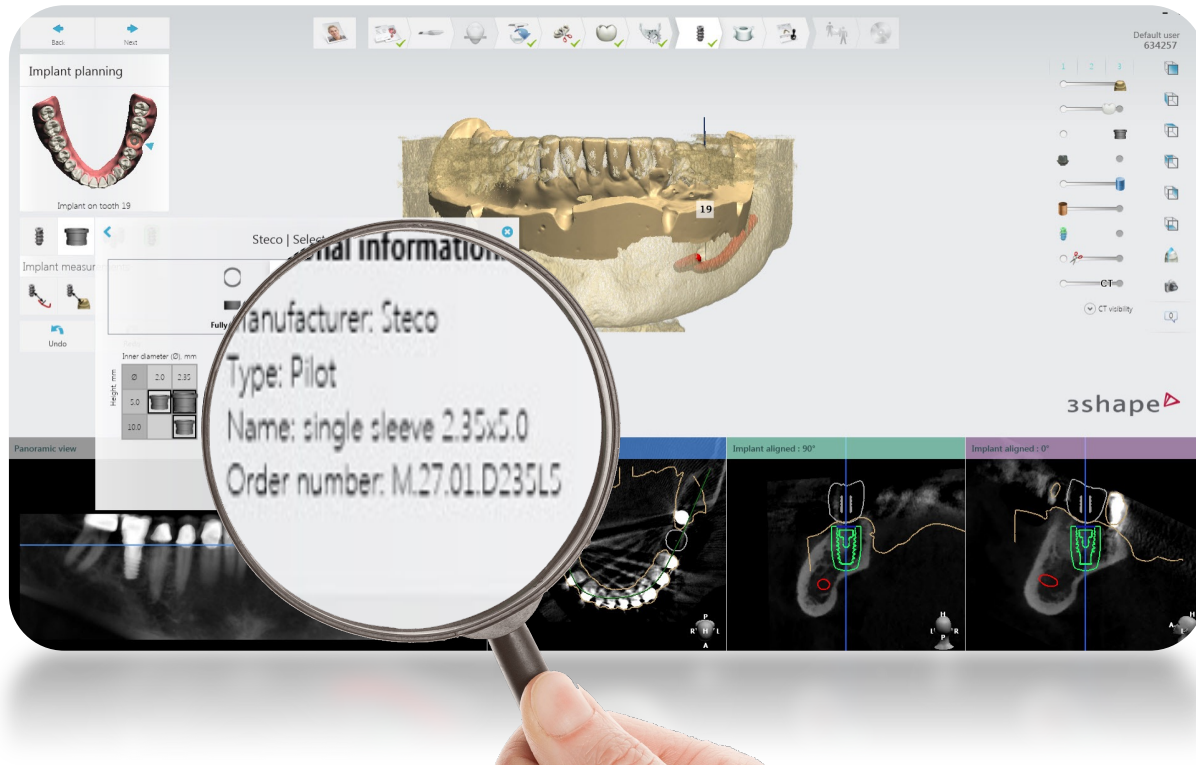


Chose implant length and diameter.

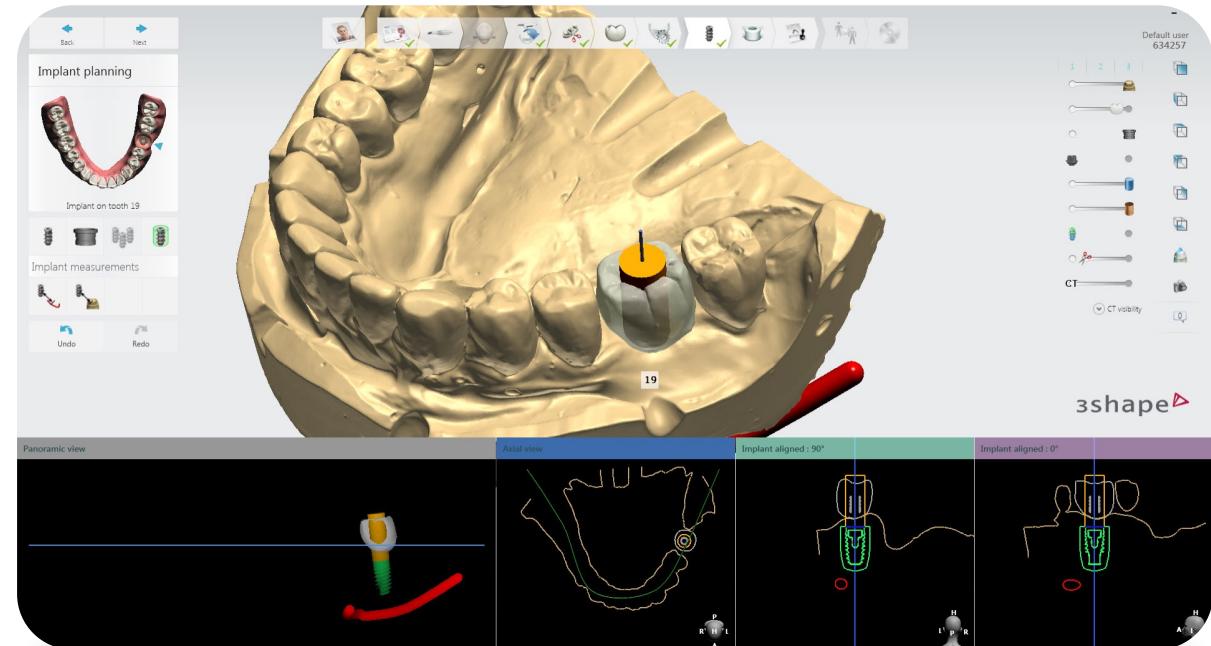


Select Sleeve

# Implant planning

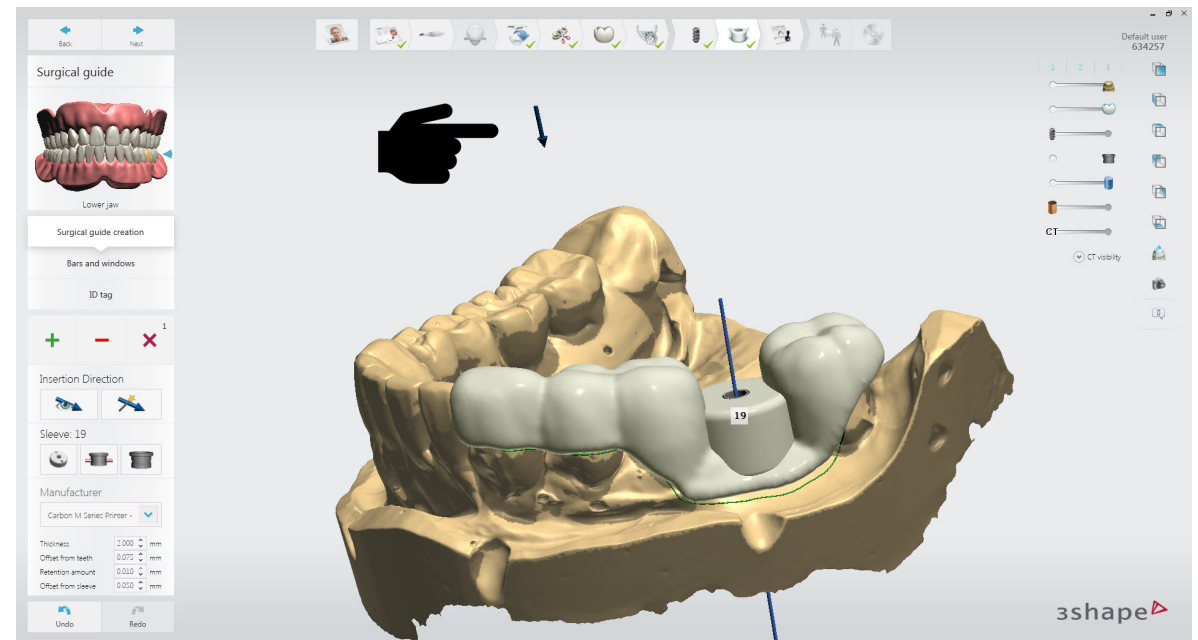
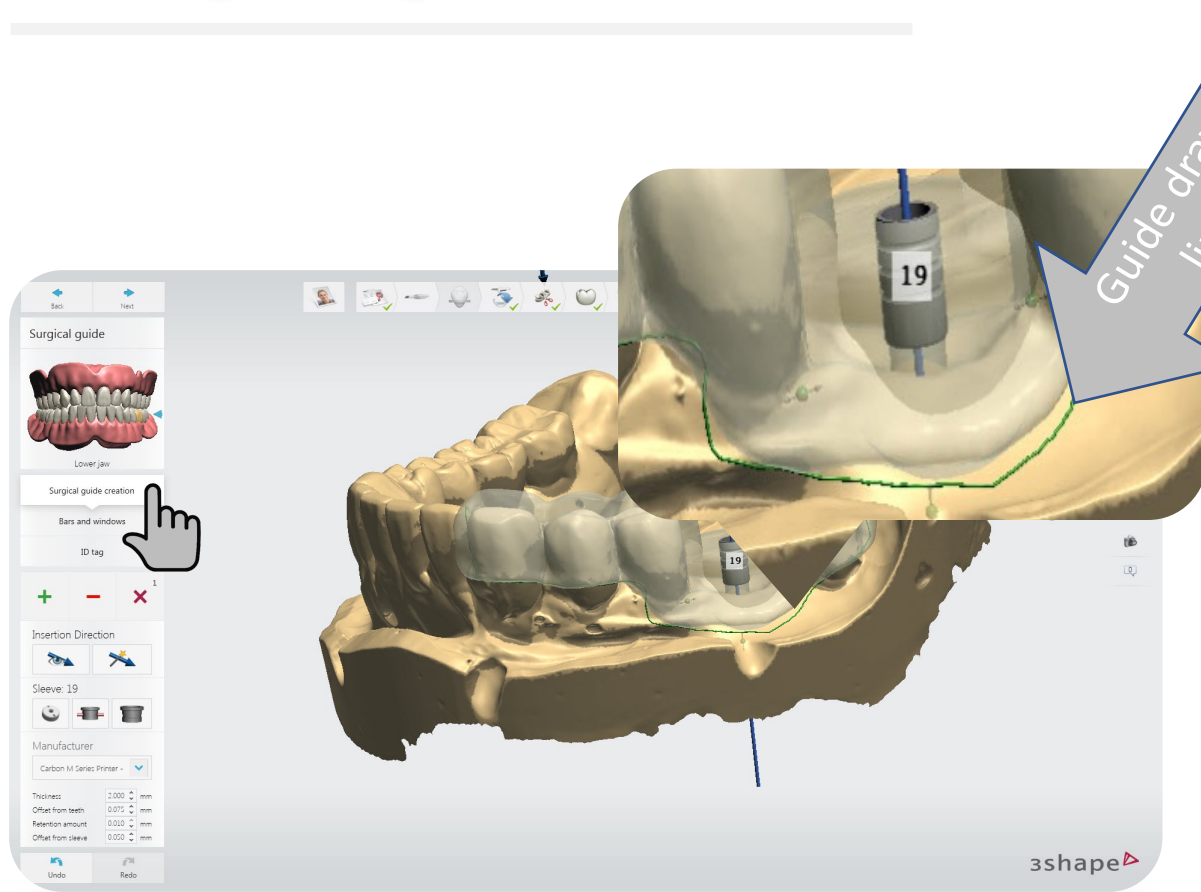


Select sleeve type either fully guided, pilot or universal.



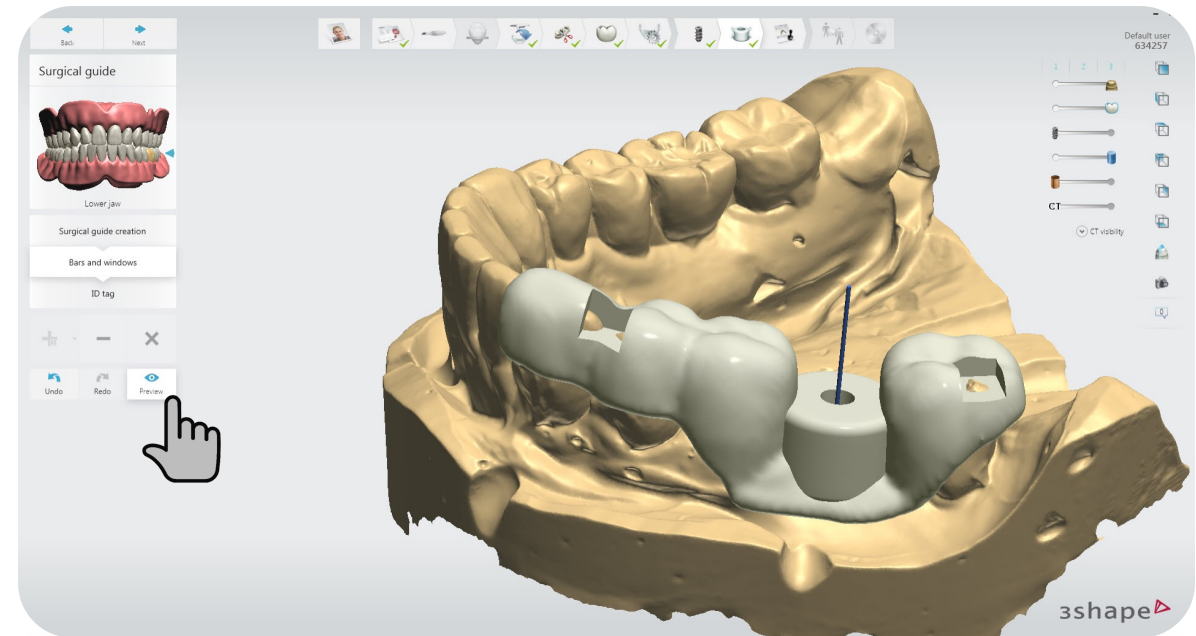
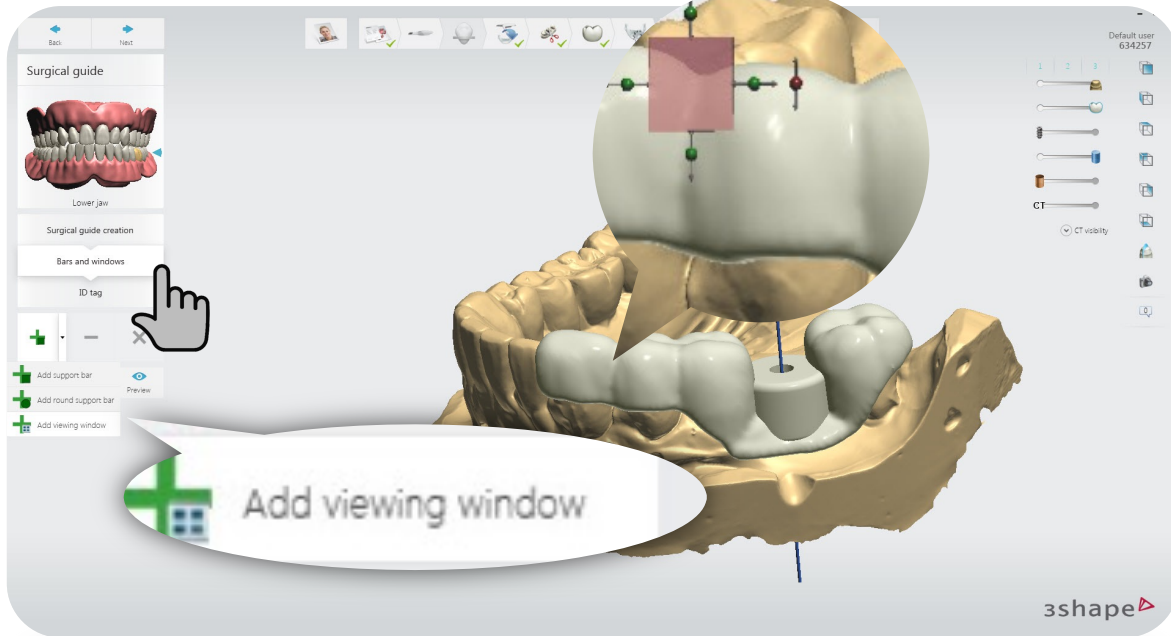
Final check before fabricating the surgical guide

# Surgical guide

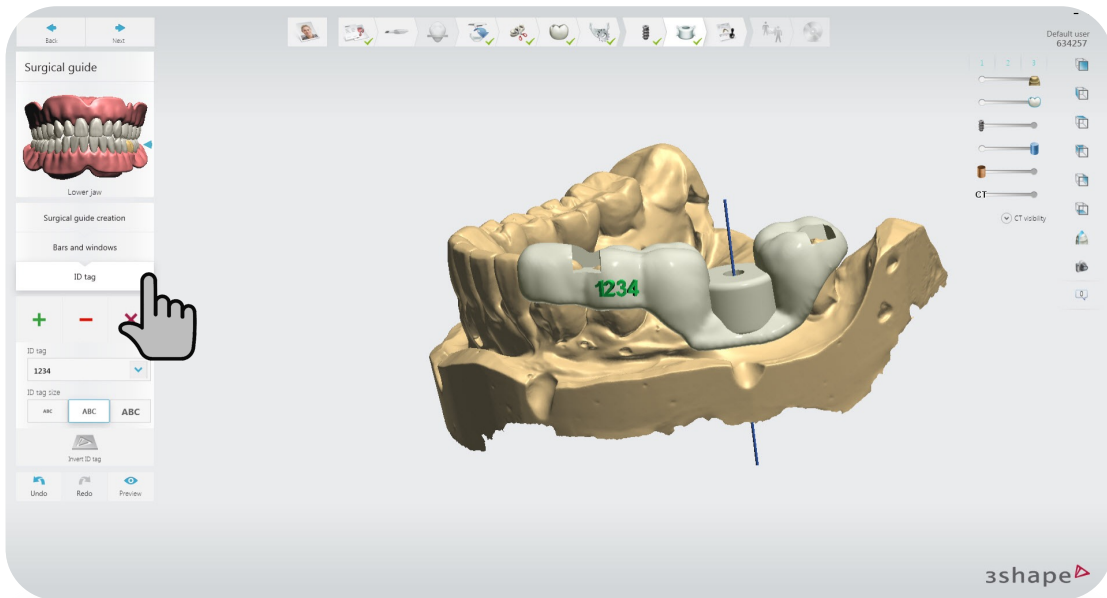


Set insertion path by facing the scanned cast occlusally to view

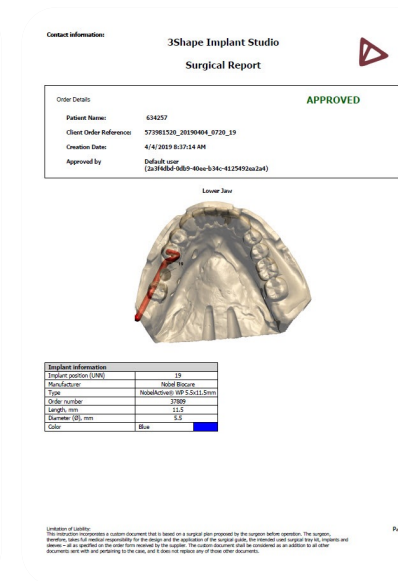
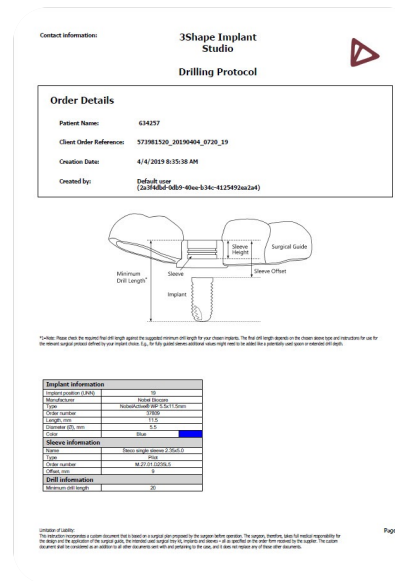
# Adding of bars or windows



# Export the surgical guide



ID tag



Export files

