

NewTom Implant Planning features

- Standard hardware (PC)
- NVIDIA & ATI graphic card support)
- User-friendly interface
- Vista-like interface
- Language selection: English, German, Italian, Russian
- Use of mouse-wheel for sections navigation
- Keyboard shortcuts for zoom and scroll functions
- Mouse Right Button Advanced Functions
- Undo on implants placement and movement
- More than 60 image formats supported (DICOM 3.0, TIFF, BMP, JPG, ...)
- Automatic DICOM images import
- Panoramic Line, Section and Panoramic Creation
- Linear Cumulative Panoramic Creation
- Maximum Intensity Cumulative Panoramic Creation
- Mandibular Canal Identification
- Sinus Lift Simulation
- Implant Simulation
- Maxilla/Mandibula Setup with automatic Implants position
- Implants Sequence Creation
- Implant with real shape
- Gums Depth
- Implant Locking
- Abutment Simulation
- Implants positioning in 3D space
- Implants rotation in 3D space
- Fine implant displacement
- Implant Features Definitions (Size, Type, Colour, ...)
- Implants collision detection (Implant to Implant and Implant to Mandibular Canal)
- Distance Measuring
- Rectangular Area Measuring
- Elliptical Area Measuring
- Text Annotation
- Arrow Annotation
- Bone Density Measuring
- 3D Model Creation with real-time Rotation and Zoom
- 3D Volume Creation in RayCast mode
- 3D Volume Creation in 3D RX mode
- 3D Volume Creation in MIP mode
- 3D Volume Opacity & Color transfer function (RayCast, 3D RX, MIP)
- Cut Box in real time (RayCast, 3D RX, MIP)
- Axials, Panoramic, Sections & 3D Bone Model Display in a single screen
- Panoramic & 3D, Section & 3D, Axial & 3D View (quick selection with Function Keys)
- Implant Labels in 3D
- Bone Model Slice Cutter
- Axial Pseudo-colours View
- Section Pseudo-colours View
- Panoramic Pseudo-colours View
- Implant Project Print
- Panoramic, Sections, Axials Print
- Patients' List Print
- Implants' List Print
- Implants' Archive Print
- Report Print on DICOM printer
- Operation Report Print
- 2D and 3D images capture functions
- 3D video creation
- Implant Project Export (the project can be locked with password)
- Data Compression
- Stereolithographic file creation
- Surgical guide, drill guide and drill guide collision on 3D window
- Implants Data Export for Surgical Guides creation
- Can be interfaced with Dental Practice Management Software