



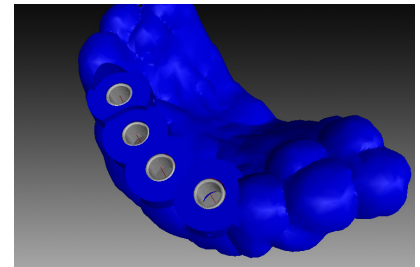
ApplicationFocus

CT – Dental implants



CT inspection of dental implants and prostheses

The demand for dental implants has increased due to new advanced manufacturing technology and our aging society. For these dental components the patient's maximum comfort and long-life operation is crucial. Computed Tomography (CT) provides a detailed 3D image that enables to verify the correct positioning and orientation of dentures on prostheses, or structural integrity of assembled implants.



Customer challenges

- Dimensional profile measurements of complex shapes
- Verification of structural integrity
- Avoid destructive testing of expensive and unique implants and prostheses
- Reduce lengthy traditional measurement processes
- Perform automated measurements for a high volume of production

Nikon Metrology's solutions

XT H / MCT systems featuring microfocus sources

- High performance image acquisition and volume processing
- Easy system operation and low cost-of-ownership
- Straightforward inspection automation
- Metrology CT with absolute accuracy measurement
- Proprietary 225kV micro focus X-ray source with 3µm focal spot size
- Stunning images providing maximum insight



For more information, go to www.nikonmetrology.com or email sales.nm@nikon.com

NIKON METROLOGY | VISION BEYOND PRECISION