



60Hz 3dMDbody26.u System (60fps)



60Hz 3dMDhead9.u System (60fps)



REAL WORLD DATA APPLICATIONS OF MEDICAL/MILITARY-GRADE DIGITAL-3D AVATARS



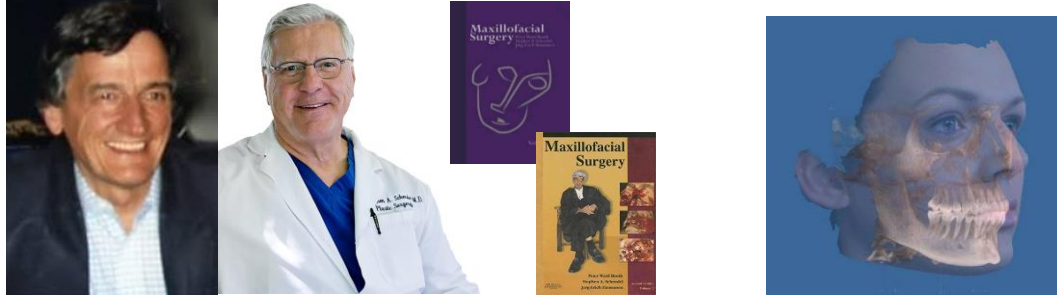
Software-Driven 60Hz 3dMDbody28.u System (60fps) in Action

- 84 machine vision cameras
- 28 Modular Camera Units
- Subject Captured at 60fps
- 5 seconds = progressive sequence of 300 3dMD images

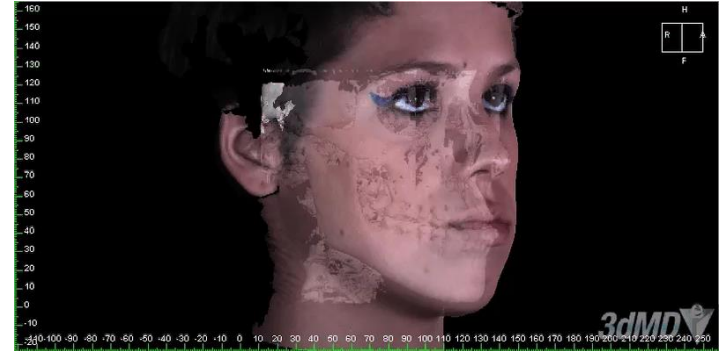
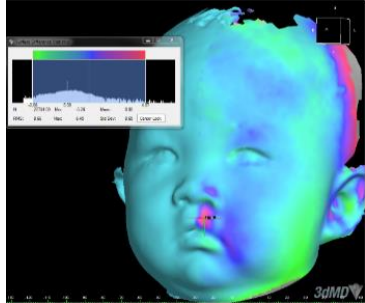
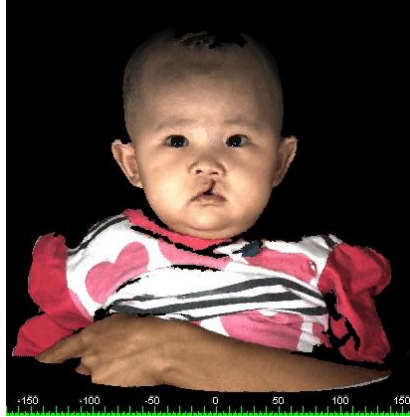
Output: Real-World 'Near Ground Truth' Anatomical-3D Shape Information with Color Texture Applied

Source of Real-World 'Near Ground Truth' 3D Avatars





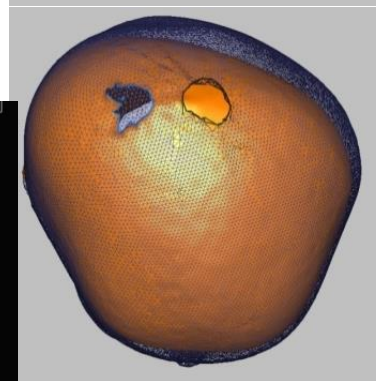
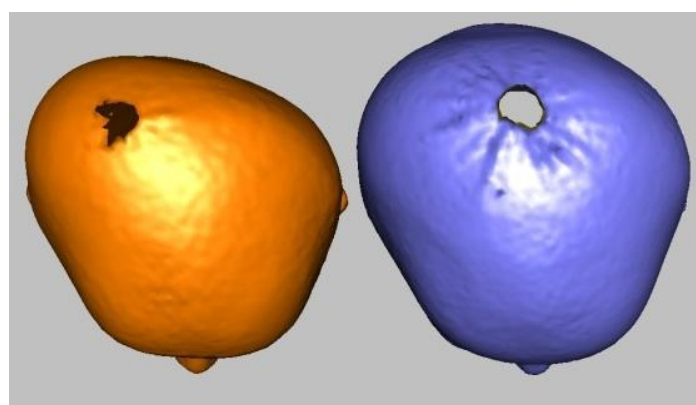
Peter Ward Booth (East Grinstead) and Stephen A Schendel (Stanford) are the two world-class surgeons who inspired 3dMD to develop a 3D surface imaging technology for use with children with craniofacial anomalies.



1:1 Superimposition with Other 3D Imaging Modalities.
CT | MRI

2000. Clinical. 'Near Ground Truth' Anatomical-3D Shape Data Required



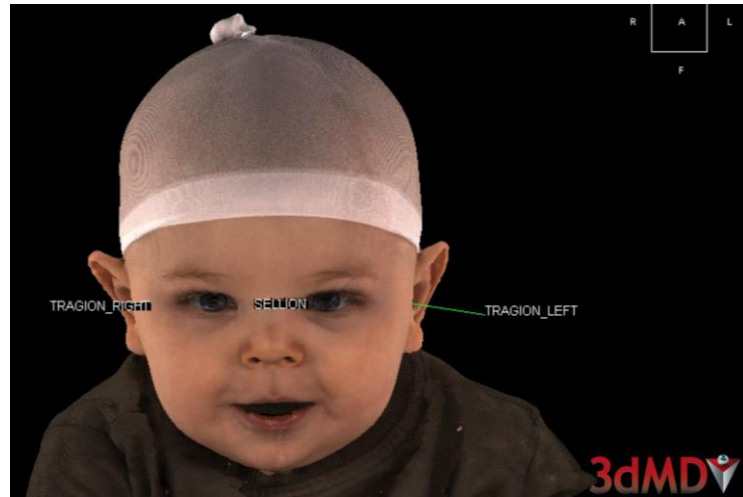


Basic superimposition exercise of two 3dMDhead images to help monitor the effectiveness of helmet therapy for treating deformational plagiocephaly



Clinical. Documenting & Fitting Infant Head Shape





Efficient landmarking workflow only requires placement of three digital landmarks.

Non-invasive, so
NO radiation
exposure for
infants

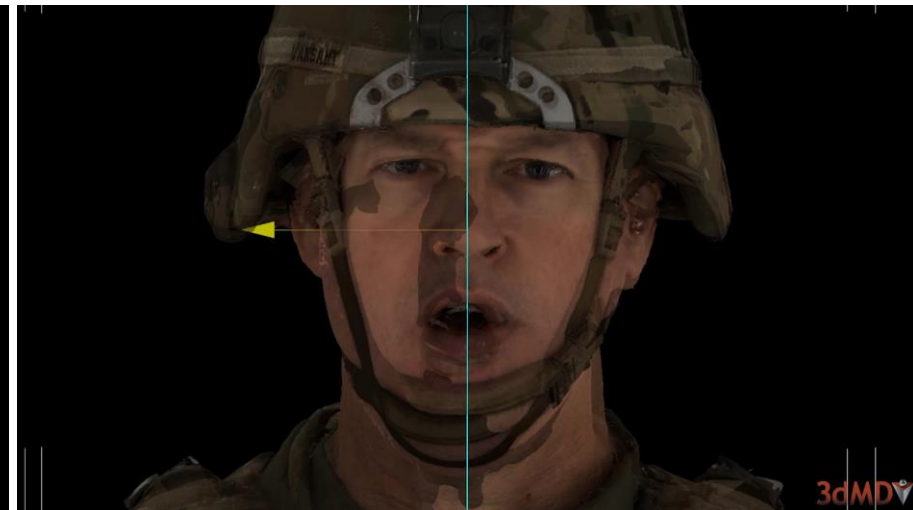


Automated calculation of anterior and posterior intersections of axial and sagittal planes for enhanced cranial shape analysis. Includes key outputs such as Cranial Vault Asymmetry, Cephalic Index, Radial Symmetry, Frontal Bossing Index, Occipital Index, Vertex Narrowing Index and Scaphocephalic Index.

Clinical. 3dMDvultus Craniometrics Calculator



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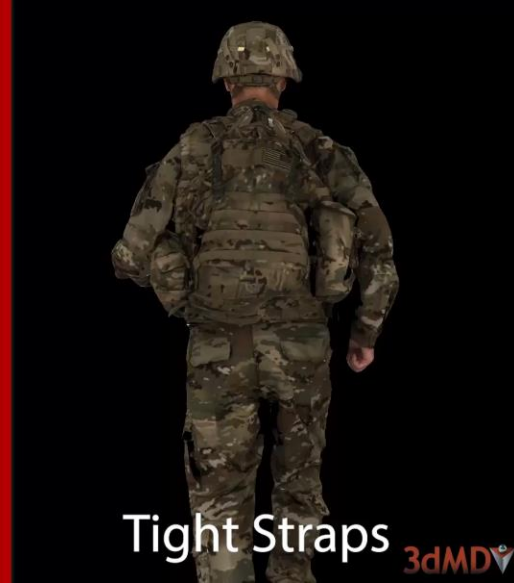
Superimposition of Loose and Tight Chin Strap Images with Mouth Wide Open

Chin Strap	Loose	Tight
Distance: Eye plane to strap	116.90mm	101.93mm
Distance: Upper to lower lip	54.01mm	29.61mm

3dMDbody26 System- Special Zone of Interest: Upper torso and face

Military. Evaluate Fit and Comfort of Head Gear with Wearables



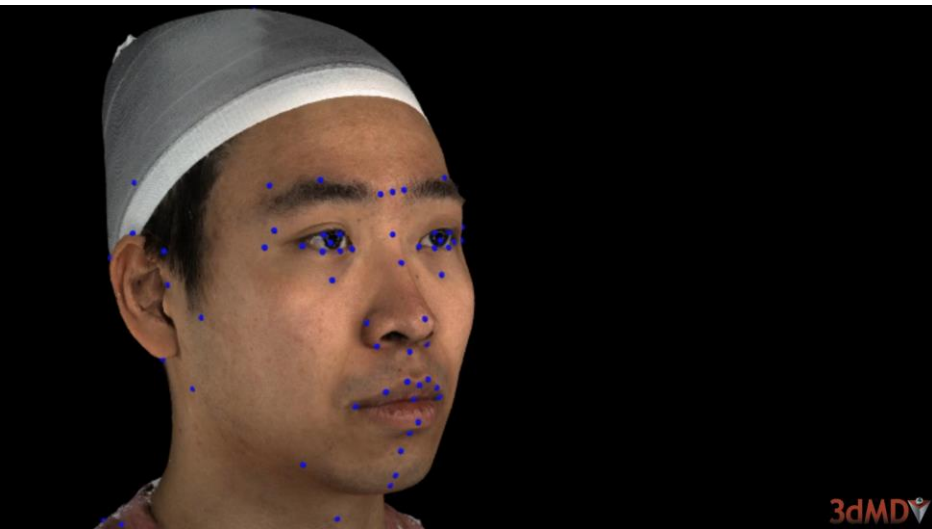


3dMDbody26 System- Special Zone of Interest: Upper torso and face

Military. Evaluate Fit and Comfort of Gear with Wearables



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3dMDhead9 System- Special Zone of Interest: Eyewear

AR/VR. Evaluate Fit and Comfort of Head Mounted Display Units





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Thank you for your time. Have a great conference.