Anatomage
TABLE

WHY THE ANATOMAGE TABLE?

The Anatomage Table is the most technologically advanced virtual dissection table for anatomy education. The Table's life-sized display, clinical content, and renowned imaging software separates the Table from any other anatomy education tool on the market.

ADVANCED EDUCATIONAL TOOL
The accuracy of real human anatomy and quantity of clinical cases are unique aspects of the Anatomage Table. The Table includes ultra-high quality (UHQ) visualization for students to view photorealistic anatomical structures. Research has proven that working with the Table improves student retention and test scores.

TECHNICAL SHOWCASE
The Anatomage Table features highly advanced technology that draws attention from visitors as well as well as students and faculty. The Table will quickly become the technological centerpiece at your institution that sets you apart from other institutes.
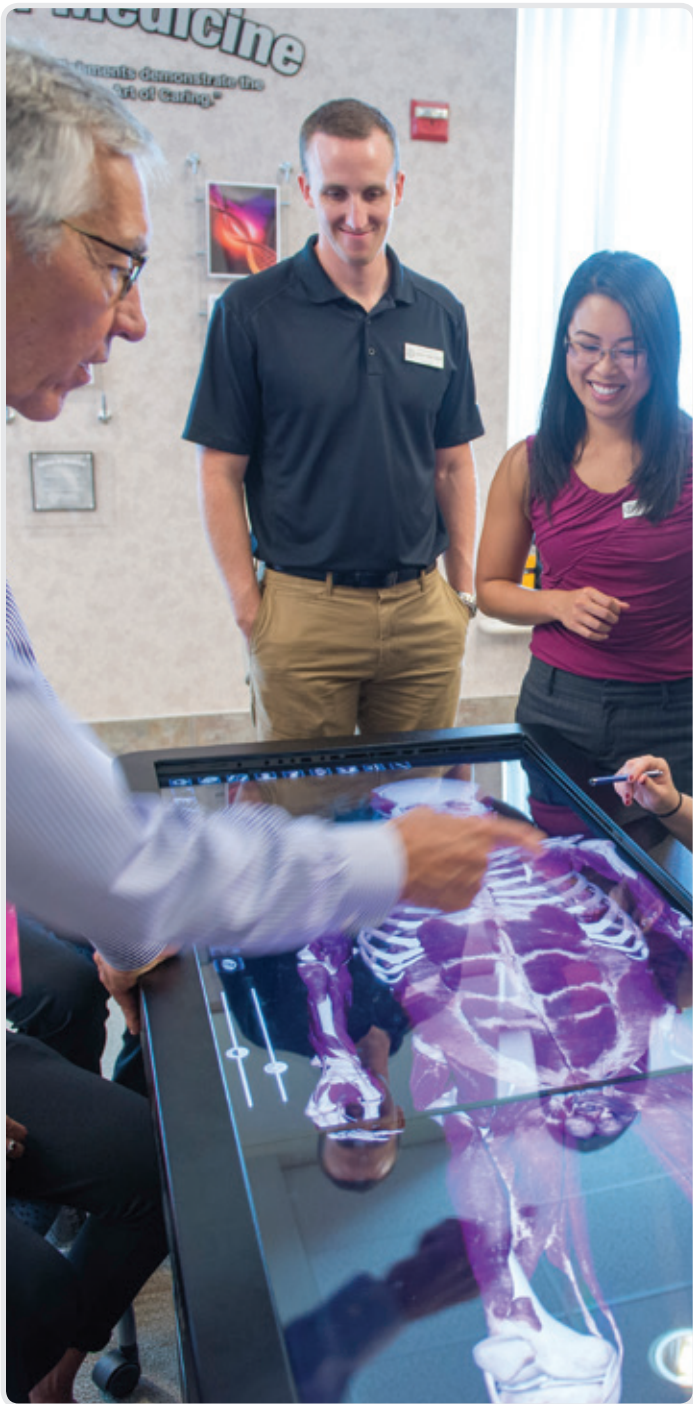
CLINICAL CARE REVIEW
Beyond anatomy education, the Table's application extends to clinical planning and consultation. The Anatomage Table is FDA cleared for use in assisting medical diagnosis. It can be utilized as a powerful radiology workstation and as a valuable tool for surgical case review, patient consultation, and medical research.

COST REDUCTION
Unlike cadavers, the Anatomage Table does not require ventilation infrastructure, embalming equipment, personnel, or storage. The contents are reusable, so there are no recurring acquisition costs. The product will save significant costs over the long term.

CLEAN & SAFE
The Anatomage Table offers a high quality lab experience without any chemicals. There are no possibilities of leaks, no environmental concerns, and no additional ventilation requirements. The product provides headache free lab sessions.

HOW THE TABLE COMPARES

	Models	Cadavers	TABLE
Chemical Free	✓		✓
No Special Facility	✓		✓
No Restrictions	✓		✓
Unlimited Cases			✓
Minimal Recurring Costs	✓		✓
Real Human Anatomy		✓	✓
Unlimited Cutting			✓
Life Size		✓	✓
Updates & Support			✓

" *For surgeons, residents, fellows, and every level of education it is a new opportunity to be able to learn anatomy in a different manner that's very, very efficient.*

– David Thiel, M.D., Associate Professor of Urology
Mayo Clinic, Florida

APPLICATIONS

LECTURE

The Table can be used during lectures since it can connect to projectors. Instructors can create and demonstrate procedural material, making lectures more dynamic and engaging. Screen captures and video clips can be easily saved and shared with students as review material. Running a full lecture with the Table turns a traditional, difficult class into an exciting, highly interactive one.

FULL LAB REPLACEMENT

The Anatomage Table is sufficient to cover the full anatomy class. High accuracy and rich contents offer an excellent replacement to traditional cadaver-based dissection. Since the data preserves the real-life patient color and shape, the Table is more effective than embalmed cadavers.

LAB REVIEW

The Anatomage Table can be used in conjunction with existing cadaver dissections. With its segmentation features, each anatomical structure can be separated and reviewed individually. Students have the opportunity to dissect reconstructions and cross-sectional planes of clinical cases. They can compare abnormal pathologies to healthy cases, view structural relationships, and review in collaborative groups to answer questions and take quizzes.

PATIENT CONSULTATION

Visualization is easier for patients when viewing their anatomy in 3D color as opposed to 2D black and white slices. With this technologically impressive visual consultation, the patient's visit will be much more effective.

CLINICAL TRAINING

A strong pathological and procedural training tool, the Anatomage Table's features are derived from an FDA cleared surgical planning software that merges actual 3D devices onto a patient image. This allows for the simulation of the device interacting with the medical image. This feature also allows for a new kind of medical device training without relying on animals or physical specimens.

VETERINARY USAGE

The Table is an ideal instrument for veterinary professions. Compare anatomy of different animals for education or research, load your own veterinary scans for instruction or case planning, and study animal anatomy.

FORENSIC & VIRTUAL AUTOPSY

CT scanning is increasingly popular in the field of forensics and archaeology. The Anatomage Table had a crucial role in the historic investigation of Pharaoh Tutankhamun's cause of death, documented by Fuji TV and PBS in August 2012, and by STV and BBC in October 2014. The Table's forensic autopsy applications were also positively reviewed in a 2013 Scientific American article.

FOCAL POINT

In a public setting the technologically advanced Anatomage Table never fails to draw attention. The Table's intuitive interface allows anyone to approach and explore human anatomy.
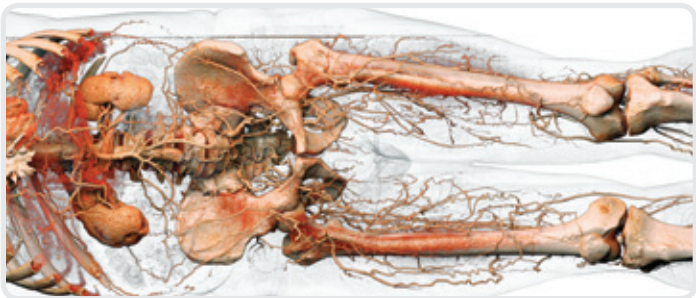
Anatomage   www.anatomage.com
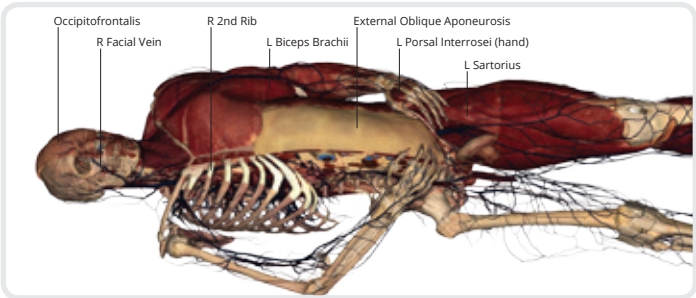
FEATURES & CONTENTS

ULTRA-HIGH QUALITY RENDERING

Ultra-high quality (UHQ) rendering on the Table is the most photorealistic view of anatomy available on the market. Soft and hard tissues are brought to life with extraordinary detail and realistic coloring. Structures that are traditionally more difficult to see, such as vasculature and muscle fibers, are viewed clearly. Seeing anatomy in UHQ will give students a limitless view into the body as they develop a clinical-level understanding of cases.
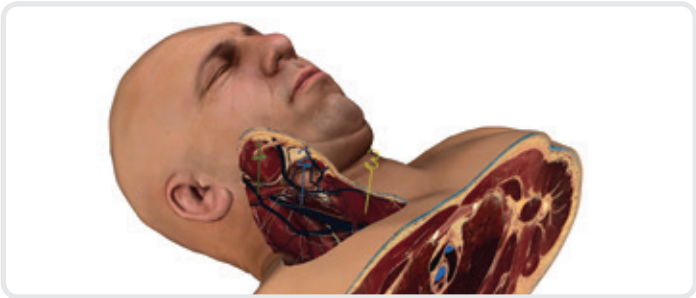

INTERACTIVE DISSECTION & ANNOTATIONS

The Table offers unique interactive dissection tools with thousands of annotations for both male and female cadavers. With the touchscreen, users can rotate structures, make multiple cuts, undo any cut instantly, and create notes. They can explore the body by selecting different structures or locating structures from a list of names. The Craniotomy Tool allows for users to dissect through the skull and view the tissues of the brain.
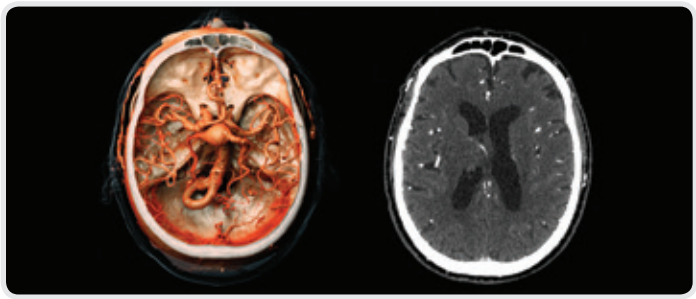

QUIZ MODE

Material for quizzes and practicals can be created on the Table. Instructors can place numbered pins and other models on the cadavers to designate questions for students. The Table's Quiz Mode allows teachers to lock specific tools, so students have limited access during the quiz. Quiz Mode can be password protected to ensure students stay on track and are unable to alter the tools.

RADIOLOGY WORKSTATION

The Table functions as a complete radiology workstation and loads DICOM data such as CT and MRI scans. The Table integrates with PACS for clinicians to load images as 2D radiological slices and 3D reconstructions. Whether using the library images or your own medical scans, the Table delivers full 3D anatomy. Clinicians can study pathological examples and review patient scans for clinical and educational purposes.
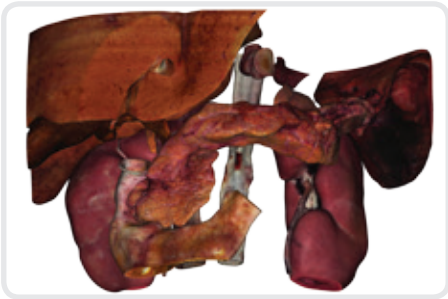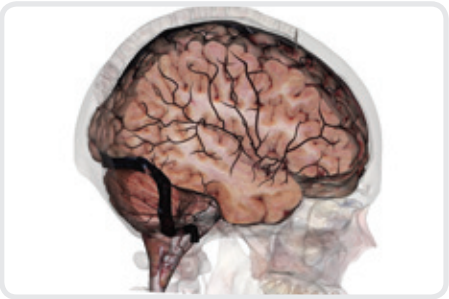

GROSS ANATOMY CONTENTS

The Table contains both life-sized male and female gross anatomy. Including multiple full-body cadavers ensures that students are exposed to anatomical variations. External and internal anatomy is volumetrically displayed from head to toe and includes thousands of annotated structures. The images are created by digitally tracing real non-chemically treated cadavers. The color and shape of the cadavers are preserved to accurately depict real anatomy.

The virtual body can be cut layer-by-layer and users can make certain structures transparent to view surrounding anatomy. Students can clearly visualize cardiovascular, nervous, and muscular structures. Additionally, blood flow can be vividly animated for any artery or vein in the cadavers.

REGIONAL ANATOMY CONTENTS

The Table includes high-resolution 3D regional anatomy up to 0.2mm. The regional scans cover the entire body and allow for students to visualize detailed structures such as nerves or blood vessels that are difficult to see by any other means.

Users are provided with an in-depth view of major structures in the body such as the heart, lungs, abdomen, and pelvis that might be difficult to see on a full body cadaver. The Table's features allow for users to easily toggle systems on and off to view specific anatomical structures. The structures can be rotated or zoomed in on for detailed 3D visualization of the body's regional anatomy.

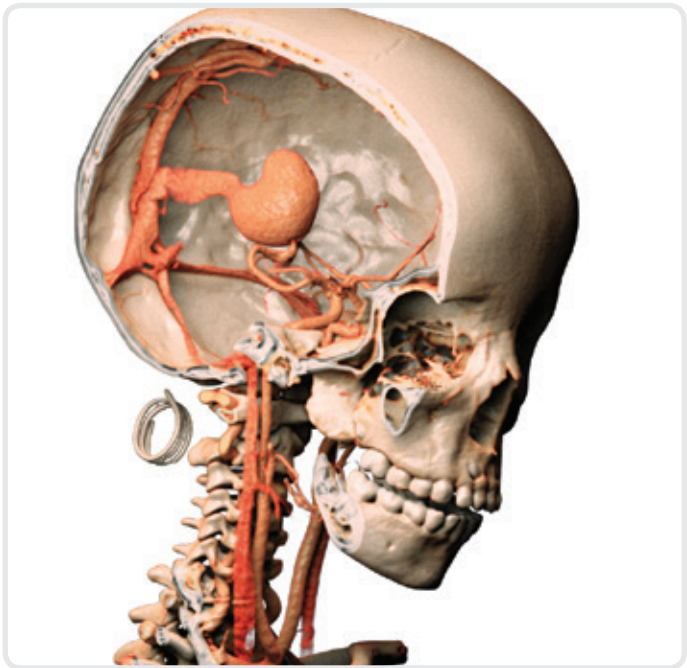*Anatomage*   www.anatomage.com

DIGITAL ANATOMY LIBRARY

CLINICAL CASES

The Digital Anatomy Library offers over 1,300 clinical cases with a variety of visualization options and includes data from vertebrate anatomy and embryology. The Table includes scans of rare cases such as abdominal ectopic pregnancy, brain aneurysm, and conjoined twins. Students have the opportunity to view conditions that range from various bone fractures, medical implants, gunshot wounds, and more.
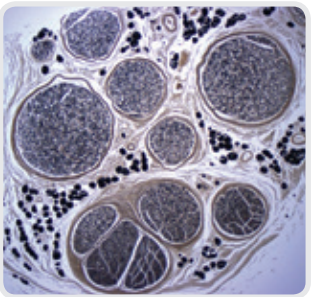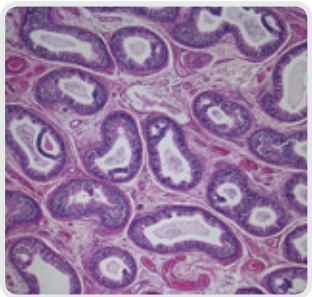
DIVERSE COLLECTION

For each case, users can access the original scan data, 3D image, and medical case notes. The library includes 4D scans where users can view movement such as beating hearts and respiration in real time. The library allows students to make the connection between 2D cross-sectional scan data, 3D anatomy, and 4D visualization. The variety of clinical cases ensures that students gain exposure to a wide range of pathologies.
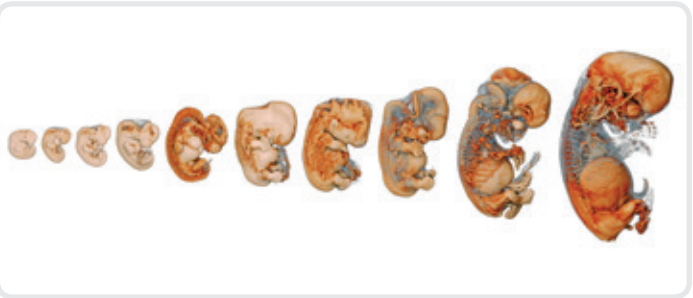
VETERINARY CASES

Included in the Digital Library are full-body cat, dog, and mouse cadavers as well as over 150 other CT scans from various species and breeds. The full-body cat and dog have been fully segmented based on real tissue data so users can toggle individual structures on and off. Additionally, there are numerous CT scans of horses, gorillas, alligators, and even invertebrates such as earthworms and centipedes.
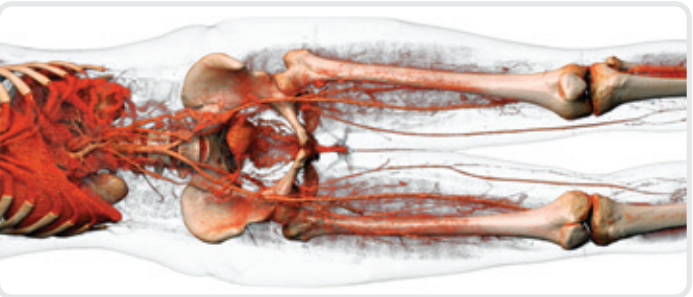

EMBRYOLOGY CONTENTS

The clinical case library contains vivid embryology content in 3D and 4D for instructors to teach human embryology. Students can view 3D embryo scans to visualize stages of human development in extreme detail. The library includes scans spanning Carnegie stages 13-23 or 28-56 days. Additionally, there is a scan of a 26 week old fetus, along with cases of a fetal brain cyst, umbilical cord cyst, and Dandy Walker syndrome.

HISTOLOGY SCANS

The image library includes a variety of microscopic histology scans. Students can examine microscopic tissue structures and cell-specific biomarkers from a collection of accurately stained digital scans. The cell and tissue scans include healthy and abnormal clinical cases from across the body. Viewing histology cases offers students a well-rounded study of anatomy and pathology.

COMPARATIVE ANALYSIS

The digital library offers comparative study cases with synchronized dissections of multiple cases. Three related cases can be viewed by the user simultaneously. Users can also create their own cases to review pre- and post-surgical scans, congenital comparisons, and cross-species evaluations. Viewing side-by-side case comparisons gives students a comprehensive visualization tool to study and review comparative anatomy.

BUILDING YOUR CURRICULUM
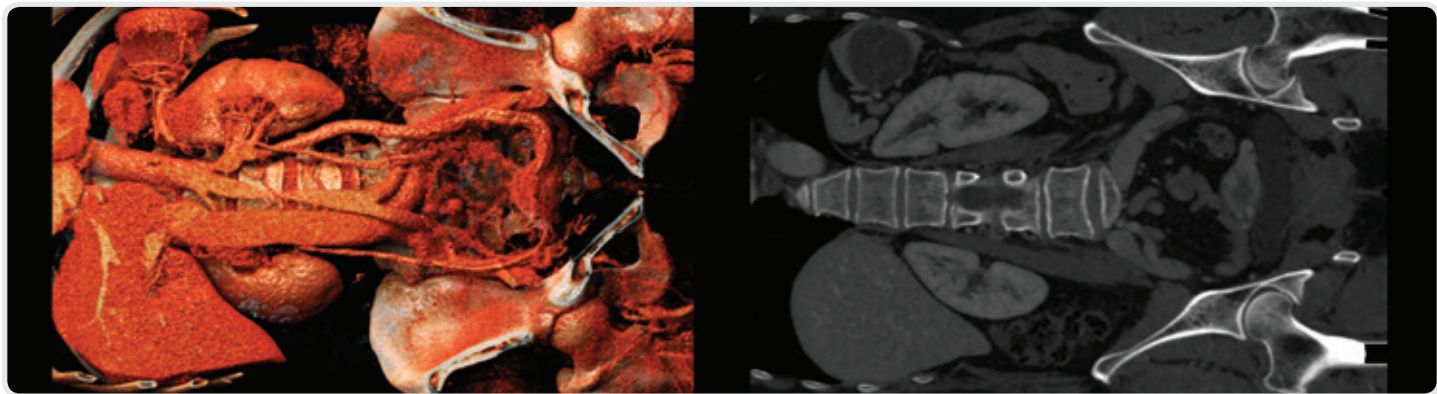

CLASSROOM INTEGRATION

The Table includes a built-in quiz mode where instructors can drop pins and create material for lab practicals, assignments, and examinations. The Table's video out functions ensures that it can be utilized in lecture halls with projectors or in small group sessions with external monitors.

Present customized lectures or give students the opportunity to lead discussions on the Table. Students can form groups to collaborate while answering questions and take quizzes using the pre-loaded cases.

THE ANATOMAGE CURRICULUM

The Anatomage Curriculum features an intuitive interface for instructors to cover human anatomy by region and by system. A printed booklet and PDF file are included and can be used with the Table for instructors to easily locate any anatomical region.

Teach comparative, clinical anatomy using real patient data with annotated, relevantly displayed scans from the Table's library. The Curriculum is designed to make the integration of the Table into your classroom as efficient as possible.

AWARD-WINNING SOFTWARE

Every Table comes with copies of Anatomage's renowned medical imaging software, Invivo and Medical Design (MD) Studio, that can be installed on a separate workstation.

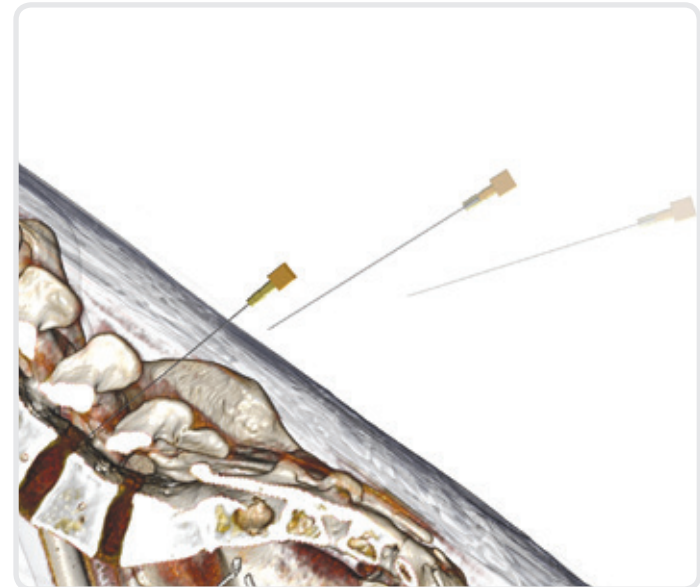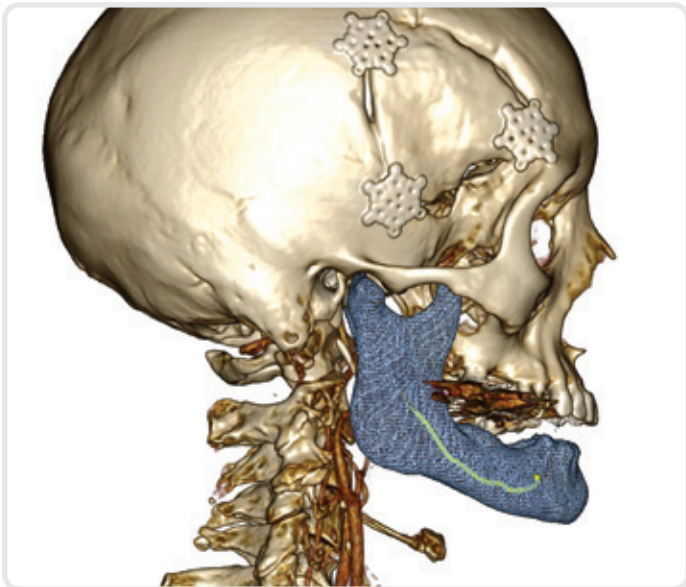Invivo and MD Studio are high-performance, volume-rendering software packages that provide additional tools for 3D content creation. Digital models of medical devices can be annotated, segmented, or overlaid directly onto patient scans. Invivo shares the same underlying software as the Anatomage Table and is FDA cleared for clinical applications. Users can make measurements in 2D and 3D for clinical or research applications.

PERFORM & CAPTURE SIMULATIONS

Segment any patient scan data and create digital models. Invivo's built-in video tool easily captures and shares these simulated movements. Moreover, the software can load in any 3D models and allow users to create customized simulations with these objects interacting with the scan. With the addition of 3D models added to patient scans, teaching physiology and surgical simulations is an easy possibility.

Anatomage

HARDWARE SPECIFICATIONS

Classic

Product Dimensions	Length: 87" (221 cm)
	Height: 33" (83 cm)
	Width: 28" (71 cm)
Weight	300 lbs (136 kg)
Display Size	84" (213 cm)
Power Supply	AC 100-250V, 50/60 Hz, 10A
Network	RJ45

Convertible

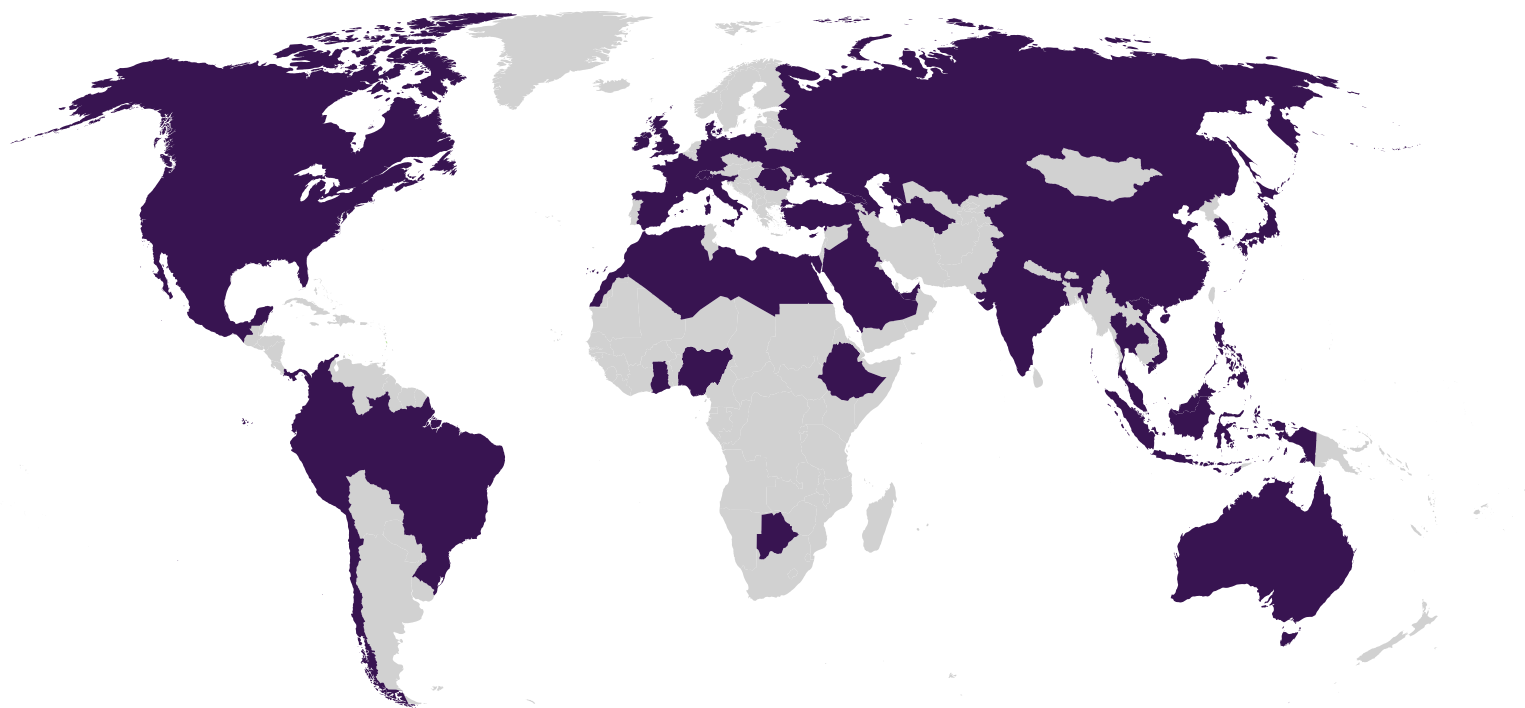| Product Dimensions	Length: 85" (216 cm)	Length: 55" (140 cm)
	Height: 33.5" (85 cm)	Height: 86" (218 cm)
	Width 34" (87 cm)	Width 34" (87 cm)
Weight	400 lbs (182 kg)	
Display Size	84" (213 cm)	
Power Supply	AC 110–250 V, 50/60 Hz, 10A	
Network	RJ45	

WORLDWIDE INNOVATION

ANATOMAGE COMMUNITY

When you purchase an Anatomage Table you not only get all the high quality contents developed by Anatomage, but you are also part of a global community of educators and researchers who have already spent time developing their own content and ideas on how best to incorporate the Table into a wide range of curricula and disciplines.

With hundreds of Tables sold worldwide, Table users can enjoy informative annual users group meetings and developmental programs on an international scale to help ensure that the Table meets their needs. Anatomage is committed to cutting edge technology supported by an excellent team with the drive to ensure that the Table is not just a product, but rather a community of users.

COMPLETE EDUCATIONAL PLATFORM

The Anatomage Table's powerful content creation tools and demonstration capabilities gives users a complete platform for medical education. Numerous institutions such as medical universities, undergraduate programs, and school districts use the Table as a complete lab alternative. The Table serves as a valuable tool for clinical planning and patient consultation.

Clinicians and medical students can accurately visualize internal and surface anatomy in 3D for clinical training. The Table's ability to import scans and integrate with PACS allows for clinicians to work with patient data and learn from real clinical scenarios. Additionally, patients can be effectively informed of their condition with a 3D visual consultation on the Table.

ADVANCED EDUCATIONAL PLATFORM

CLINICAL PLANNING & TRAINING

PATIENT CONSULTATION & EDUCATION

MEDICAL PROCEDURAL TRAINING

RADIOLOGICAL IMAGING WORKSTATION

COMPLETE LAB ALTERNATIVE

INTERNATIONAL DISTRIBUTION

The Anatomage Table is used globally. Headquartered in California, Anatomage has offices in Italy and Korea to better serve our customers abroad. We have an extensive network of international distributors, a list of which can be found on our website, to offer timely service and support. Sales to countries where we have not found a representative that meets our standards are handled directly by us—we provide shipping, training, and support.

FORUM & SUPPORT

Members of the Anatomage Table community can connect with each other and our team through the Anatomage Table Forum. The forum is a place for members of the community to discuss the Table and have questions answered by our Table team. The team actively monitors the forum and provides support to all users. The forum is also updated with new content about the Table. You can visit the forum at **anatomagetable.com**.

ABOUT ANATOMAGE

For over 13 years, Anatomage has been a leading medical device company driving innovation in the healthcare industry. Anatomage's advanced solutions are being used in tens of thousands of clinics, hospitals, and other institutions in the US and internationally. Our products include medical tables, image-guided surgical devices, surgical instruments, radiology software, and imaging equipment.

Anatomage products are developed, designed, and manufactured following strict FDA guidelines for medical devices. Anatomage continues to establish exclusive partnerships with renowned educational institutions and medical equipment companies. Our cutting-edge and unique products have been featured numerous times in journals, publications, and the media, including: TED Talks, BBC, CBC, Japanese Fuji TV, and PBS.

Located at the heart of Silicon Valley, Anatomage is a fast-growing company that continues to thrive in a place where technology is ingrained in the culture. The company encourages the building of a diverse and positive culture and recruits top talent. Anatomage's work environment is defined by our highly talented biologists, medical specialists, and engineers who strive to create high-tech products that continue to push industry standards. Anatomage maintains strong ties with world-leading instructors and researchers by building successful partnerships at prominent institutions.

With our revolutionary family of products, we aspire to advance medical education and improve patient care throughout the healthcare industry.

Anatomage