





Maximizing **flexibility** for hybrid procedures

Today's Hybrid OR is a highly complex, multi-disciplinary environment where flexibility and efficiency are essential for delivering successful clinical outcomes, ensuring safety, and maximizing utilization. As minimally invasive procedures become increasingly complex and the demand for hybrid suites continues to grow, more and more of the nation's leading medical centers and university teaching facilities are turning to Toshiba for the experience and resources they need to succeed.

System Configurations to Meet Your Clinical Needs

Working closely with all stakeholders, Toshiba considers every aspect of a hybrid lab in planning a solution that satisfies their existing needs while also preparing them for the future. Toshiba delivers a complete and customized solution using a matrix of choices that includes different-sized flat panel detectors, ceiling- or floor-mounted configurations, and a unique shared lab system with two C-arms to optimize room utilization.

- Patient volume, procedure mix and room requirements are evaluated as part of a consultative approach that includes on-site visits
- The ideal configuration is determined from the widest selection of system components available vs. a "one-size-fits-all" approach
- From conventional angiography to complex surgery, Toshiba offers a choice of the Hybrid OR table or the Maquet surgical table to ensure optimal patient care
- Delivery of a complete, fully integrated solution is ensured through relationships with industry-leading hardware and software vendors
- Award-winning service and support help customers maintain the highest level of system efficiency and uptime



Poised for Performance

Infinix systems provide unprecedented freedom for positioning system components so room set-up can be configured based on procedural requirements rather than system limitations.

More to See in 3D

An array of advanced imaging applications coupled with high-speed C-arm acquisition, high-resolution detectors and a powerful workstation provide highly detailed image reconstructions and 3D displays for a wide range of applications.

Coronary

CV-3D reconstructs a 3D coronary image from angiographic images acquired at different angles to improve accuracy in extremely precise PCI procedures.

Stent Enhancement Software supports enhancement of the stent by suppressing anatomical background structures.

Structural Heart

Infinix systems integrate state-of-the-art software developed by PIE Medical that supports Transcatheter Aortic Valve Replacement (TAVR), mitral valve repair, left atrial appendage and other structural heart procedures to ensure more accurate and efficient device placement.

3 Mensio or Vitrea facilitates preoperative planning by assessing the aortic valve area to determine whether TAVR can be safely performed.

CAAS A-Valve is used during procedures to determine the optimal projection and appropriate C-arm angle for deployment.

Unparalleled Access and Coverage

The industry's most flexible interventional systems create unequaled clinical access while achieving the widest range of angles possible without repositioning the patient.

- Head-to-toe and fingertip-to-fingertip coverage creates greater efficiency by moving the system around the patient instead of vice-versa
- A 270° C-arm gantry pivot ensures maximum flexibility at either side of the table for the clinical team
- Rotating detector and collimation enables heads-up image display to improve visualization and procedure comfort





Neuro and Abdominal

3D-DA (3D Digital Angiography) uses 3D reconstruction with rotational DA imaging to depict bones and tissues as well as vascular images in a single imaging procedure.

3D-DSA (3D Digital Subtraction Angiography) reconstructs rotational DSA images in 3D to depict bones, tissue and vascular anatomy.

LCI (Low Contrast Imaging) Provides CT like imaging to give you soft tissue visualization in 3D.

3D Roadmap links the C-arm and table with the 3D fused volume during fluoroscopy so the 3D overlay remains aligned with the fluoro image regardless of table position.

3D Modality Fusion enables the fusion of a previously acquired CT or MR image to improve the understanding of vascular anatomy during fluoroscopy.

Needle Guidance software superimposes live fluoro over the CT-Like volume to provide real time navigational assistance for performing percutaneous procedures.

Not all features listed above are standard. Optional items may be required.

The ceiling-mounted C-arm moves along extended rails on a transverse axis, allowing it to be fully parked out of the way when it is not needed.

Optimized Dose Management

Comprehensive, industry-leading dose management capabilities incorporated in every Infinix system that enable dose reduction with uncompromised image quality. These include several innovative and exclusive technologies pioneered by Toshiba.

Spot Fluoroscopy can result in substantial dose reduction by superimposing the Last Image Hold (LIH) over live fluoro and eliminating the need to open up collimation for viewing landmarks outside the spot field.

Dose Tracking System (DTS) estimates dose delivered to the skin in real time and displays it on a color-coded map during procedures so physicians can continuously monitor exposure and make adjustments.

Advanced Image Processing (AIP) uses Super Noise Reduction Filter (SNRF) technology to lower dose dramatically by analyzing and processing each image frame in real time during fluoroscopy.





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