

**TOSHIBA**  
Leading Innovation >>>



COMPREHENSIVE FAMILY OF INTERVENTIONAL SYSTEMS

*finix-i*<sup>TM</sup>

When excellence means saving lives, installing the right lab is absolutely vital.

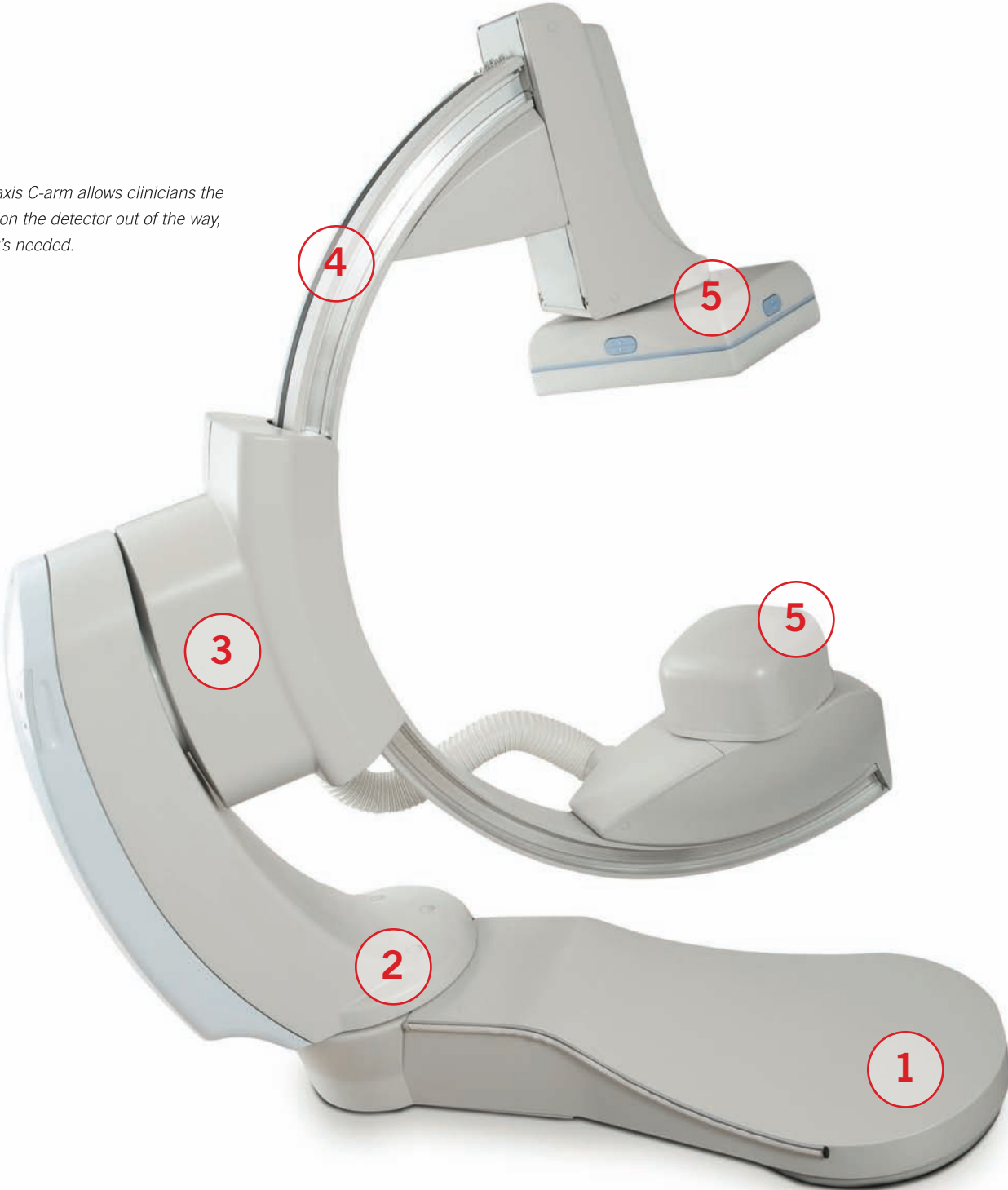
Unlike other imaging systems, the cardiovascular lab is literally an extension of the clinician's eyes and hands. As such, it must provide access, coverage, image quality and workflow efficiency that fluidly enhances a clinician's performance. We've worked hand-in-hand with leading clinicians to design unique features for the Infinix-i systems that address those very needs. The impact of this collaboration is clear: the productivity and performance of the comprehensive Infinix-i family of products has been recognized with many technology awards and leading customer satisfaction ratings.





# Work with unprecedented access other labs cannot match.

The exclusive 5-axis C-arm allows clinicians the flexibility to position the detector out of the way, but right where it's needed.

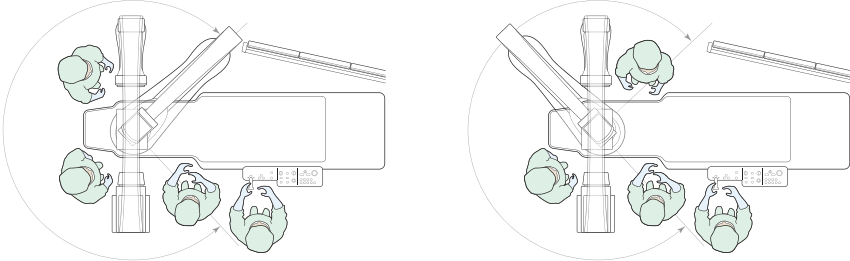


Unique multi-axis floor and ceiling mounted C-arm positioners are the result of careful study and interaction with leading clinicians. These observations illuminated where positioners needed to be so clinicians would have the most access to provide optimal patient care.

### EXCLUSIVE 5-AXIS C-ARM

Exclusive 5-axis floor mounted C-arm design has received industry awards for innovation, and unprecedented patient access and coverage for clinicians.

- **2008 Frost & Sullivan Award**  
North American Cardiovascular Imaging Healthcare Innovation
- **2007 Frost & Sullivan Award**  
Technology Innovation for the Infinix CF-i/BP



The 5-axis design incorporated into the biplane systems provides flexible positioning of the C-arm to create the Infinix-i exclusive 180 degree head end access or alternative positioning to best accommodate the physician, ancillary equipment and clinical staff.

“Currently, Toshiba is the only manufacturer to offer a system that can be maneuvered in all angles, supporting the ability to do cardiac and peripheral work...Toshiba’s significant contribution to the medical imaging market with its innovative first-to-market 5-axis Infinix CF-i BP system ensures the ability to meet the needs of the cardiac population while staying abreast of the surging hybrid market.”

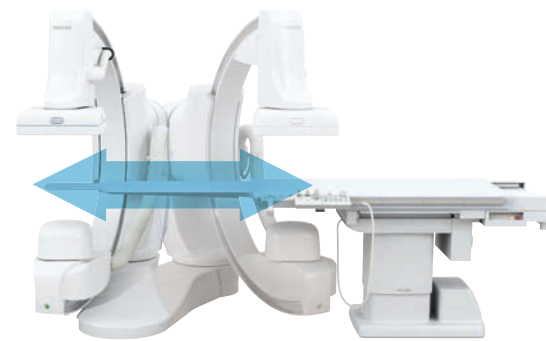
Frost & Sullivan Award Statement 2007

# Save time with head-to-toe and fingertip-to-fingertip coverage

The Infinix-i allows clinicians to image from head-to-toe and fingertip-to-fingertip without having to move the patient and break the sterile field, so procedures can be completed more efficiently.

## THE ADVANTAGES OF COMPLETE COVERAGE

- Faster and easier EP, pacemaker, and other upper extremity vascular procedures due to the improved brachial and radial access that the unique transverse motion of the c-arm provides
- Multifunctional cardiovascular system made possible by the combination of positioning possibility and three available flat panel detector (FPD) sizes
- Freedom to configure room setup based on procedural needs rather than imaging system limitations



## UNIQUE DESIGN LEADS TO EXCEPTIONAL COVERAGE

### Single Plane

- Exceptional coverage and access convenience during upper extremities examinations
- C-arm design accommodates full travel down the length of the body during diagnostic or interventional examinations



### Dual Plane

The unique Dual Plane system is an excellent choice for departments looking to maximize room utilization by expanding cardiovascular procedures and providing no compromise imaging to a variety of clinical disciplines.

- One system with two independent C-arms and two different FPD sizes, one for dedicated cardiac and one for dedicated vascular imaging provides access to right size FPD for optimal anatomical coverage
- Designed to fit in conventional-sized cardiovascular suites



*The Infinix-i unparalleled fingertip-to-fingertip coverage provides clinicians with easy access for brachial and radial approaches without the need to move the patient on the table.*

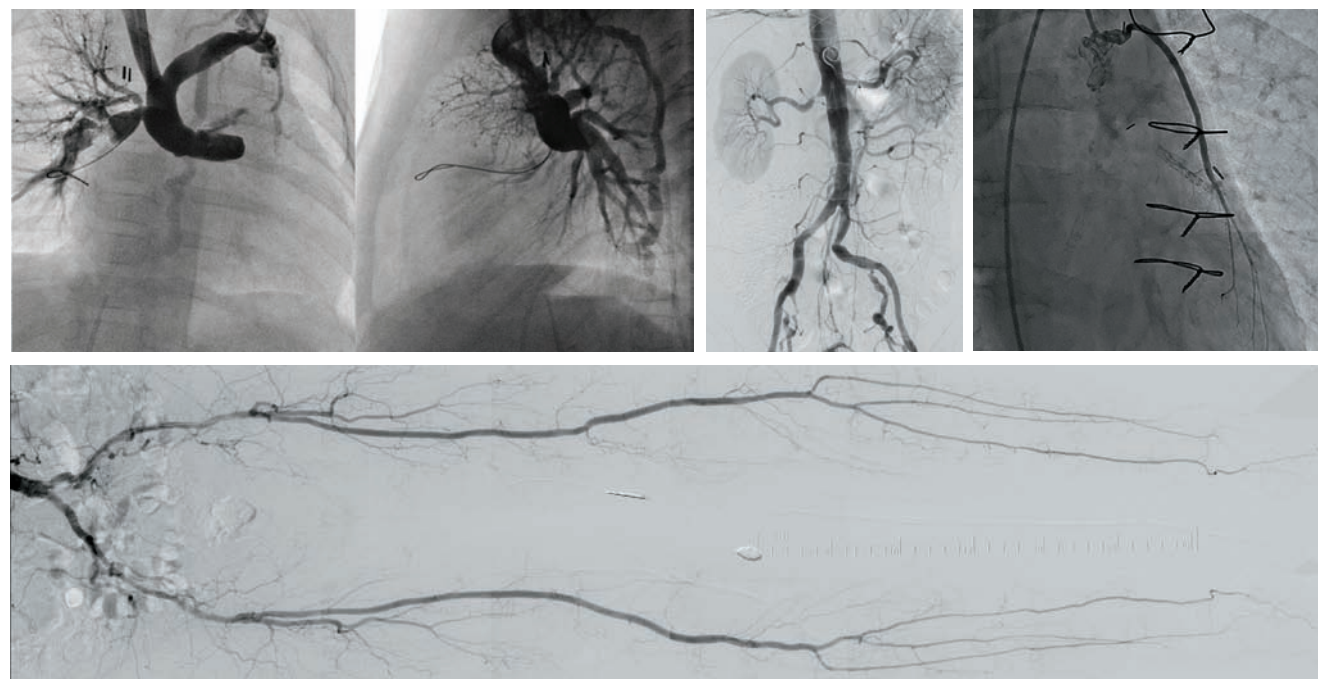


# Increase clinical confidence with advanced imaging technologies.

Infinix-i detector design coupled with proprietary new software and hardware creates the next generation of Advanced Image Processing (AIP) technology. Software and hardware work in tandem to provide superior image quality that's consistent across all system configurations. Excellent image quality and 3D visualization technology provides clinicians the ability to view fine detail and intricate devices.

## ADVANCED IMAGE PROCESSING (AIP)

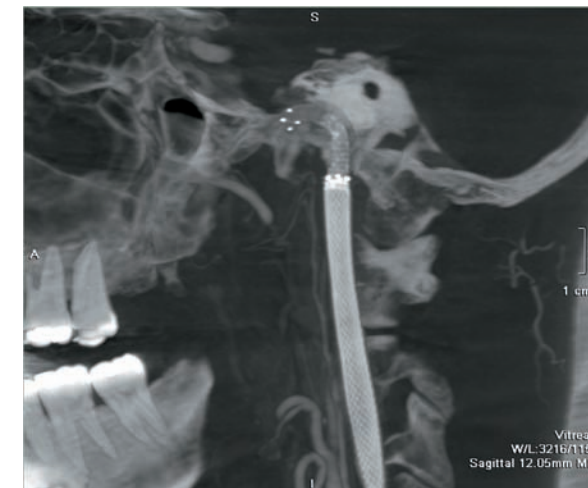
- Next Generation Advanced Image Processing technology strengthens imaging confidence by increasing resolution and virtually eliminating lag during procedures
- AIP improves workflow by presenting a more uniform display, improving small device visualization during navigation and deployment
- AIP provides instant image display at fluoroscopy initiation ensuring critical patient information is immediately available



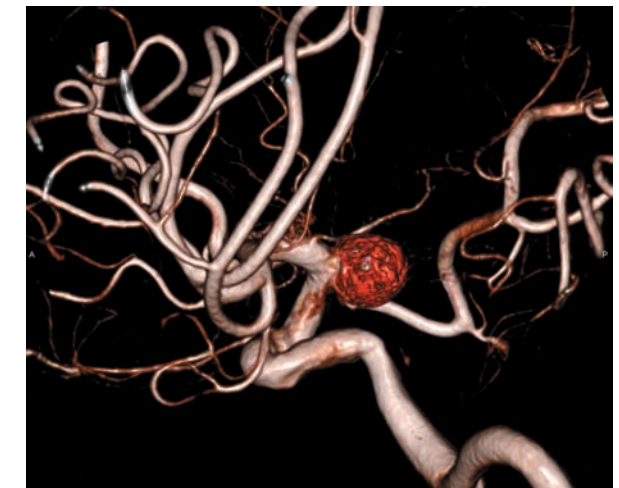
(Clockwise, from top left): Pediatric Pre-Pulmonary Artery repair utilizing Toshiba's Advanced Image Processing technology. Abdominal Aorta DSA injection demonstrating Renal and Iliac Stenosis. Left Coronary injection prior to PCI using Advanced Image Processing technology. Panoramic display of stepping DSA images.

## 3D IMAGING

Superb 3D imaging starts with the Infinix-i high resolution flat panel detectors, combined with flexible C-arm positioning and powerful workstations. The combination of these technologies provides detailed anatomical 3D reconstructions and 3D image display for enhanced diagnosis and interventional planning. To supplement 3D imaging, Low Contrast Imaging is available on several of the Infinix-i systems to support target visualization of anatomy or pathology during an interventional procedure.



Infinix-i system utilizes Low Contrast Imaging to provide a well visualized view of three overlapping carotid/cerebral stents of varying radiopacity.



High speed acquisition generates conventional 3D reconstructions and unique display capabilities such as Toshiba's patented Device Fusion (above), which provides the ability to clearly differentiate devices from vessels. Bone Fusion technology is also available to allow simultaneous display of vessels and bony landmarks.



The CV-3D workstation works with the Infinix-i to transform 2D imaging into a 3D display for coronary vessel analysis showing coronary vessel and side branches with stent placement modeling (left: stent planner) and an enhanced view (stent optimizer) of a stent after placement.

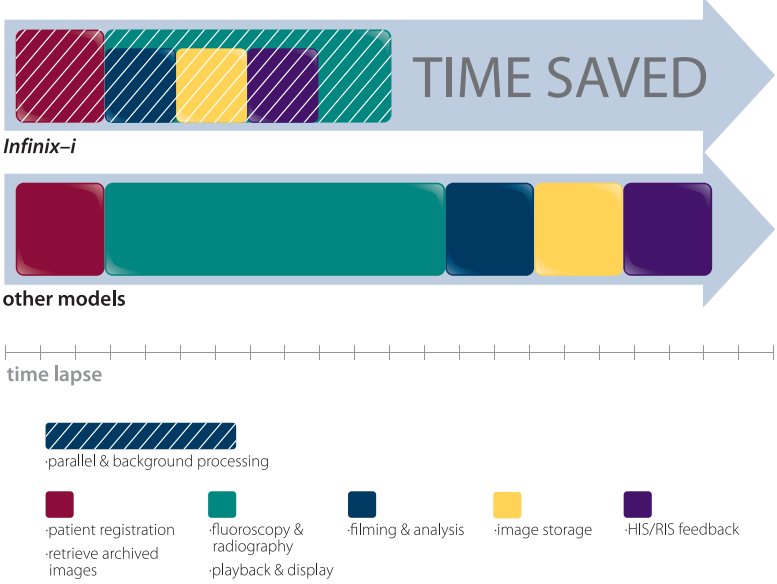
Experience the power of multitasking efficiency.



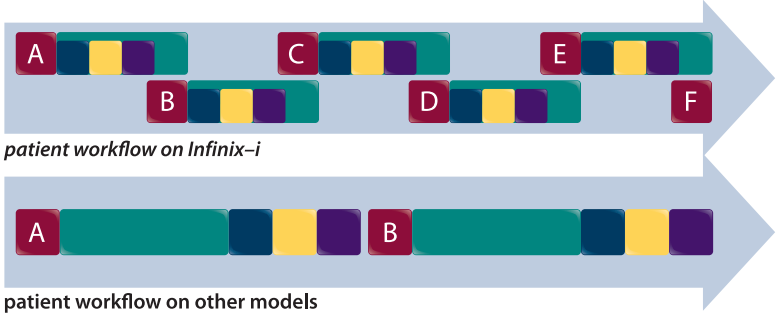
**PARALLEL PROCESSING**

The ability to simultaneously process and transfer image data during acquisition translates into quick, efficient exams. For example, during fluoroscopy and fluorography, operators can prepare for the next scheduled patient, process and save images from a previous (or current) study; and transfer or archive images to an associated network.

**For One Procedure**



**For One Lab**



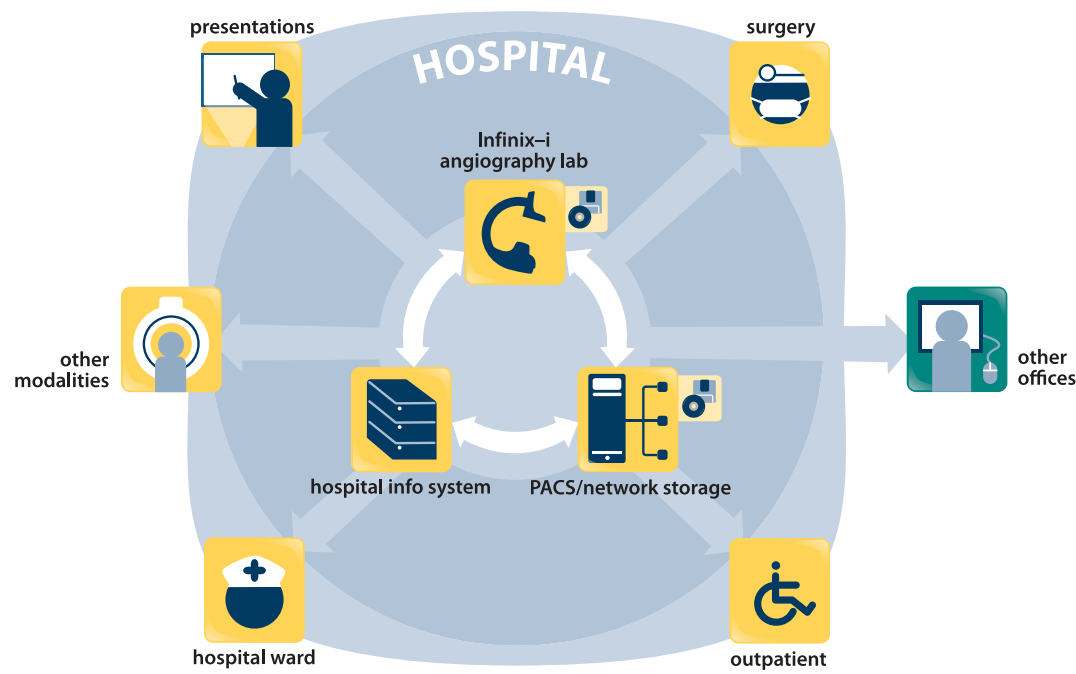


# Realize seamless IT integration and optimize your workflow.

Regardless of your facility's IT configuration, Infinix-i comes ready to fit right in. By holding to the standard of working with all major DICOM classes, our cardiovascular labs seamlessly integrate into your environment.

## ALL MAJOR DICOM CLASSES

With all major DICOM classes included in the Infinix-i systems, the open architecture design facilitates the interface within the healthcare facilities network, providing connectivity within the lab, to PACS or externally. This enables instant access and connection to sophisticated monitoring equipment, PACS systems and multi-modality patient images.



**Infinix-i:** Dynamic viewing and flexible network integration permits rapid export and retrieval of images. Open communications with HIS/RIS provides rapid transfer of patient information.

**PACS/network storage:** Provides online dynamic review of patient images. Storage and transfer of multi-modality images are handled at high speed.

**Presentations:** Viewed online or via CD-R/DVD-RAM, images can be used for educational presentation or patient consultation.

**DICOM CD-R/DVD-RAM:** Serve as long-term and portable storage media for valuable image data.

## PARTNERSHIP WITH MCKESSON

Though we've remained focused on imaging technology, we've formed an exclusive partnership with McKesson to provide Horizon™ Cardiology solutions that increase access to information, allow for more rapid decision making and improve a clinician's ability to provide better patient care.

## HEMODYNAMIC MONITORING

Patient demographics, clinical hemodynamic data, hemodynamic waveforms, and procedural information all flow seamlessly into one complete cardiac patient record.

## CARDIOVASCULAR INFORMATION SYSTEM (CVIS)

CVIS fully integrates with hospital systems including radiology PACS, inventory, billing, orders, work-lists and registry submission modules.

## CARDIOLOGY PACS (C-PACS)

An enterprise medical imaging and information management solution for integrating reports, images, waveforms and measurements into the patient's complete record. Patient records are accessible over local networks or remotely over the web.

# Take control of dose and operation of the system.

Infinix-i systems are designed to make the delivery of excellent care safer and more efficient with interactive, ergonomic features that accelerate exams and improve patient care every step of the way.

## DOSE REDUCTION

- Flexible, accurate c-arm positioning shortens exam times, reducing overall dose exposure
- Comprehensive table side selection of conventional and unique pulse fluoro frame rates provides an optimal blend of image display and dose reduction
- External and integrated technology reduces absorbed radiation dose to the patient and scatter radiation to the clinician
- Virtual collimation allows positioning of the collimator field and filters without the use of fluoroscopy



## TABLESIDE CONTROLS

The hyperhandle is a compact tableside control with tactile buttons that provides operation of system functions while minimizing ergonomic stress. It intuitively works like an extension of the clinician, making it possible to drive the system by touch keeping focus on the patient and procedure. To further boost productivity, Infinix-i can store the preferred settings for any number of operators, including features such as sequential navigation and rotational imaging which can save time, reduce contrast use and limit dose to enhance the procedure for the clinical staff and patient.

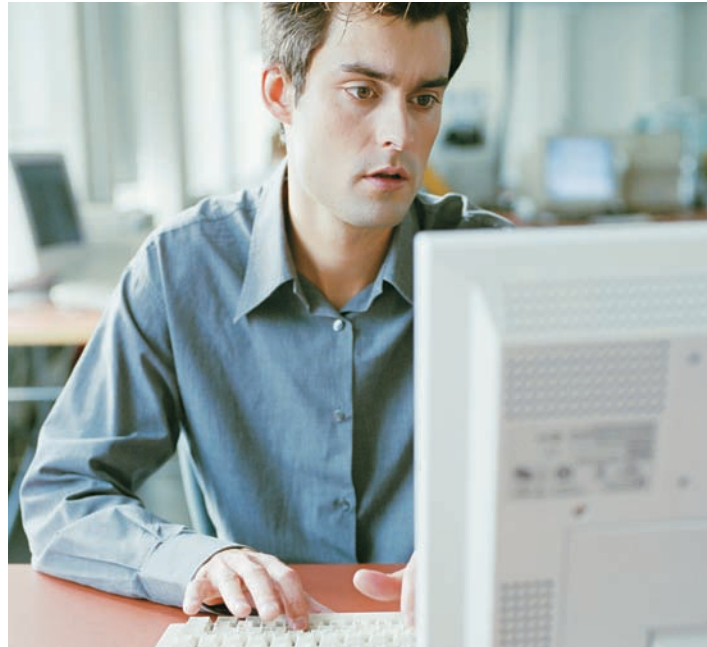
- A** C-Arm Controls  
One handed operation allows operator to raise and lower the table, position the c-arm, detector, and pan the table
- B** Collimator Controls  
Allows for changing field of view and collimation (virtual collimation)
- C** Digital Controls  
Programmable keys allow customized settings, acquired image replay and operation of the ring menu



*Backlit tableside control buttons improve visibility and help distinguish icons in darkened procedure rooms.*



# Integrated support resources dedicated to your success.



## SERVICE

Every installation is supported by our network of service centers and parts warehouses across the country linked by an always-on, centralized InTouch Center. Our customer care chain is made up of knowledgeable, courteous operators, skilled remote diagnostic technicians and highly-trained onsite engineers. Together, they help our customers achieve a reliable 98% uptime.

## TRAINING

Our blend of offsite, onsite and online training options are as convenient as they are comprehensive. Intensive, hands-on sessions move your staff rapidly along the learning curve making your imaging system investment work efficiently from the moment it arrives at your facility.

## CUSTOMER SATISFACTION

We believe that our best measure of success is how satisfied our customers consider themselves. From service to education to sales, our organization is committed to meeting your needs. Independent third-parties rank us as the leader in customer service time and time again.

## FINANCING AND LEASING

Toshiba America Medical Credit (TAMC) helps healthcare organizations gain access to the capital they need to address their patient care priorities. TAMC provides Toshiba customers with a range of financing and leasing solutions including extensive financial product offerings, competitive interest rates, upgrade programs and quick credit decisions.

# Select the ideal lab for your clinical needs.

Infinix-i cardiovascular systems are available for every clinical need. The Infinix-i platform, with its strong feature set, provides outstanding clinical performance in all disciplines of diagnostic, interventional imaging and Hybrid OR/surgical needs. To complement this performance, Toshiba further addresses your specific needs by providing multi-axis positioners available with three different flat panel detector sizes. The overall selection and flexible performance will enhance any imaging department's workflow and patient care.

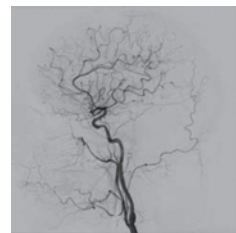
## DETECTOR SIZE CHOICES

Infinix-i cardiovascular systems are available with different flat panel detector sizes depending on your coverage needs.

8" X 8"



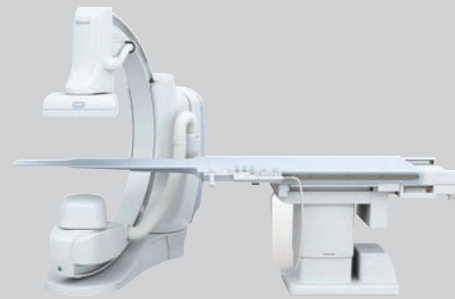
12" X 12"



12" X 16"

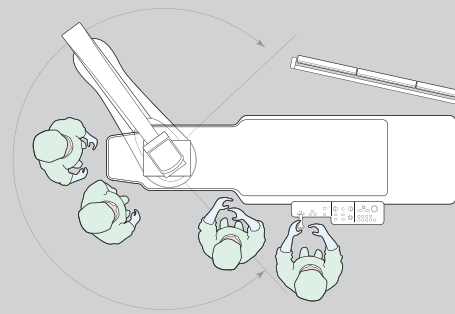


Not all flat panel detector sizes are available on all systems.



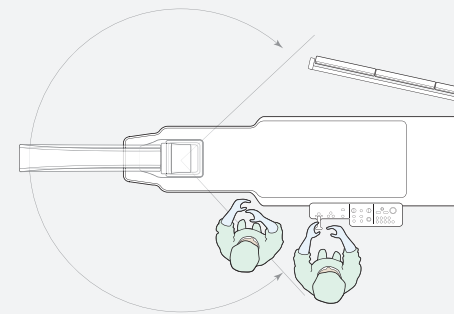
## FLOOR MOUNTED

Providing access to patients other systems simply cannot match, the floor mounted 5-axis positioner is an ideal configuration for a broad spectrum of use.



## CEILING MOUNTED

Dual track ceiling mounted C-arm provides extensive transverse motion to support upper extremity examinations like no other available systems.



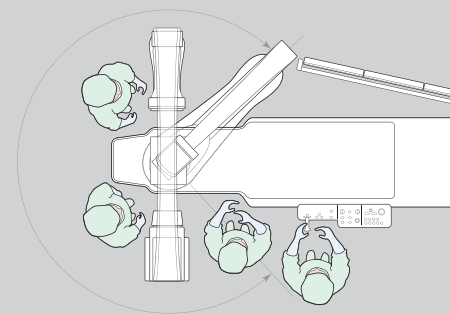
## HYBRID OR SUITE

The ceiling mounted C-arm's ability to be parked completely out of the way is at the heart of a growing trend toward Hybrid ORs. Such a room can have high per-square foot efficiency because it can be used for endovascular work and as a conventional OR.



## BIPLANE

Combining the exceptional flexibility of our floor and ceiling mounted positioners, the biplane is a great choice for pediatric, vascular and neuro diagnostic and interventional imaging.



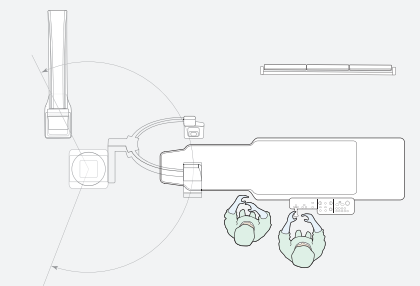
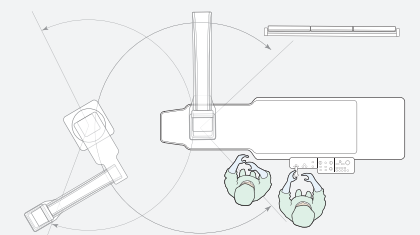
## BIPLANE HYBRID SUITE

A biplane system can be configured to perform specialized OR/endovascular applications for neuro and pediatric procedures, where access and positioner flexibility is of critical importance.



## DUAL PLANE

The unique Dual Plane system works like two systems in one room with two differently sized independent flat panel detectors providing dedicated cardiac and vascular imaging for optimal patient care.





## LEADING INNOVATION

For over 130 years, Toshiba has been a world leader in developing technology to improve the quality of life. Some 50,000 global patents demonstrate that rich history of leading innovation. But it's not just the desire to invent that matters. Our family of leading-edge imaging systems for MRI, CT, ultrasound, cath labs and x-ray proves something else as well. By listening to our customers and gaining a deep understanding of their needs, we can develop leading innovation that improves patient care and the business of healthcare at the same time.

<b>1875</b> Founding of Toshiba	<b>1990</b> First tissue Doppler imaging system	<b>2003</b> First 64-slice CT scanner
<b>1915</b> First x-ray tube	<b>1993</b> First real-time CT fluoro	<b>2005</b> First compact dual-plane cath lab
<b>1973</b> First real-time ultrasound scanner	<b>1998</b> First quiet MRI	<b>2006</b> First 5-axis c-arm cath lab
<b>1989</b> First helical CT scanner	<b>2000</b> First all-digital multipurpose x-ray	<b>2007</b> First dynamic volume CT scanner

## AWARD-WINNING SERVICE AND SUPPORT

Developed with customer input, Toshiba's innovative support programs have resulted in greater satisfaction when using Infinix-i products as reflected in customer surveys time after time.

### InTouch Center™

A centralized service facility that provides applications and service support expertise for Infinix-i customers 24 hours a day, seven days a week.

### InnerVision® Plus

Monitored around the clock, remote system diagnostics help identify problems and provide potential solutions before care is interrupted or an engineer can arrive.

### InTouch Agreements

Tailored to meet specific customer requirements, these range from an a la carte approach that helps manage risk to full security agreements that provide complete system protection.

### Technical Assistance

Customer support specialists are available 24/7 to identify and resolve technical issues in real time. Application specialists are also on hand to assist staff with protocol and image quality issues.

### Local Customer Teams

A single call mobilizes a local team of Toshiba Customer Engineers. Averaging 10 years of experience with Toshiba and 105 hours of specialized training per year, they can quickly resolve almost any performance issue.

### Parts Support

A complete inventory of Infinix-i product parts is ready for shipment when and where they're needed, any time day or night.



## TOSHIBA AMERICA MEDICAL SYSTEMS, INC.

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