

Omega **Electrophysiology Imaging**

Single and Bi-Plane Digital Imaging Systems



Time Proven Approach for Performing Electrophysiology Imaging



Omega Medical Imaging
Electrophysiology Imaging Systems

Omega

EP Diagnostic and Therapeutic Imaging Systems

Single Plane Imaging Flexibility

Omega's EP systems are offered in Single Plane and Bi-Plane configurations. Three options for imaging – Fluoro & Fluoro Loop, Fluoro Loops and Digital Spot, and Fluoro & Fluoro Loops/Digital cine are available to optimize individual department needs while providing a cost-effective solution for a full range of EP procedures.

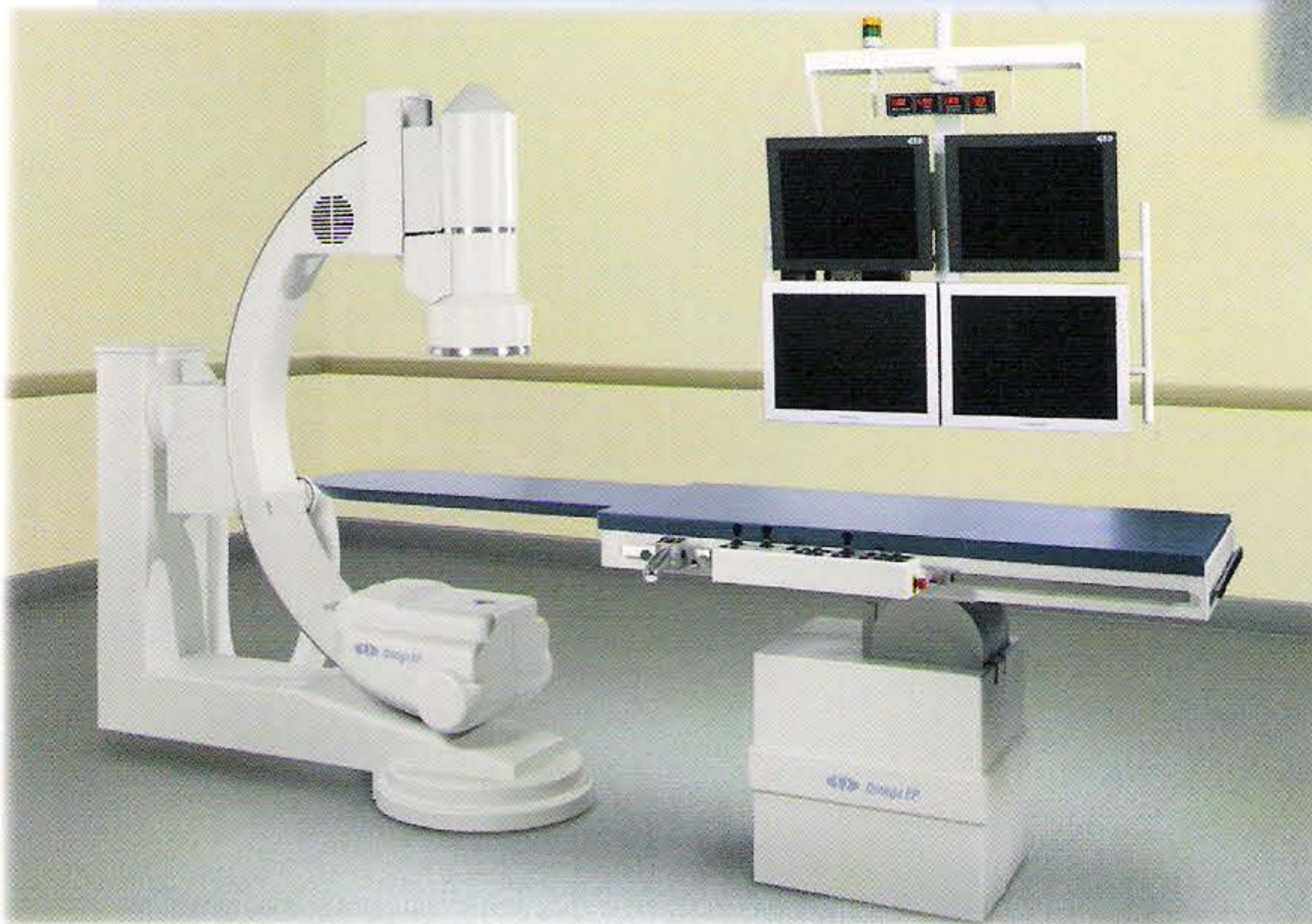
All Omega EP systems feature PrinceStar™, a proprietary integrated digital image processor tailored for high definition cardiac imaging. With technological advancements making available a variety of diagnostic and therapeutic EP catheters, PrinceStar™ offers unmatched visualization for catheter positioning. The all-digital platform provides fully integrated DICOM compatible networking capabilities. As a specialist in design and development of EP systems, Omega strives to manufacture cutting-edge technology at a competitive price point ensuring the highest value of investment in the industry.



Single Plane System Controls

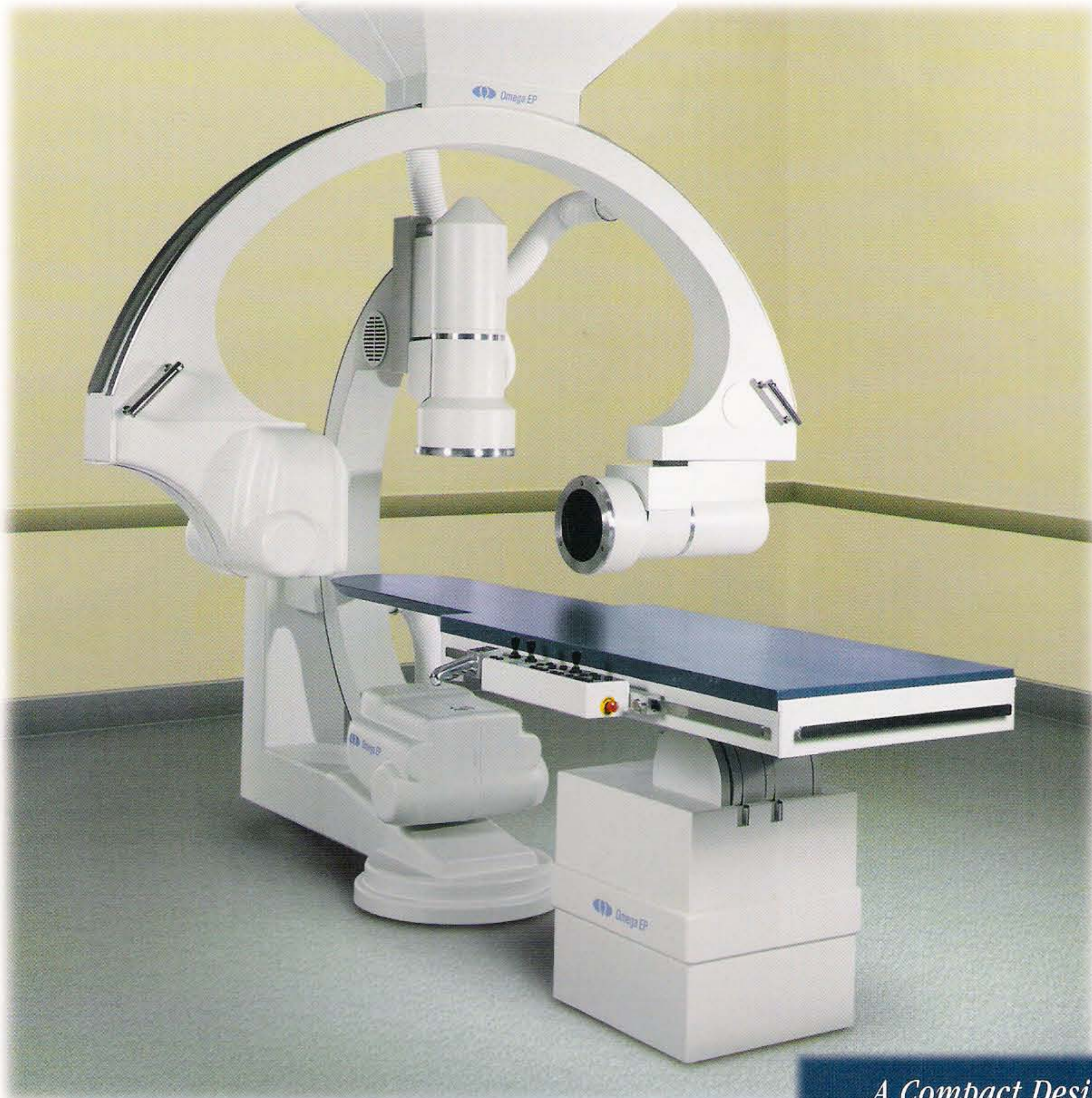
The Single Plane table controls consist of: panning handle, table elevation, and tilting functions.

The system controls consist of: joysticks for positioner movement, touch pads for image intensified MAG modes, variable SID and beam collimation. Both table and L/C positioner controls may be placed on either side of table, or the foot end of table.



Unmatched maximum positioner flexibility





*A Compact Design Complemented by
Unmatched Ease of Operation*

Bi-Plane Imaging Considerations

The requirements for Bi-Plane Electrophysiology imaging have become more acute. The need to decrease procedure time and reduce radiation exposure to both patient and staff has become paramount in deciding between Single and Bi-Plane systems. In keeping with Omega's goal of maintaining its leadership position in price/value relationship, three cost-effective solutions to Bi-Plane imaging are offered:

- Fluoro & Fluoro Loops ● Fluoro, Fluoro Loops and Digital cine
- Fluoro, Fluoro Loops, Digital Cine Frontal Plane Fluoro, Fluoro Loops Lateral Plane

Synchronized Movement

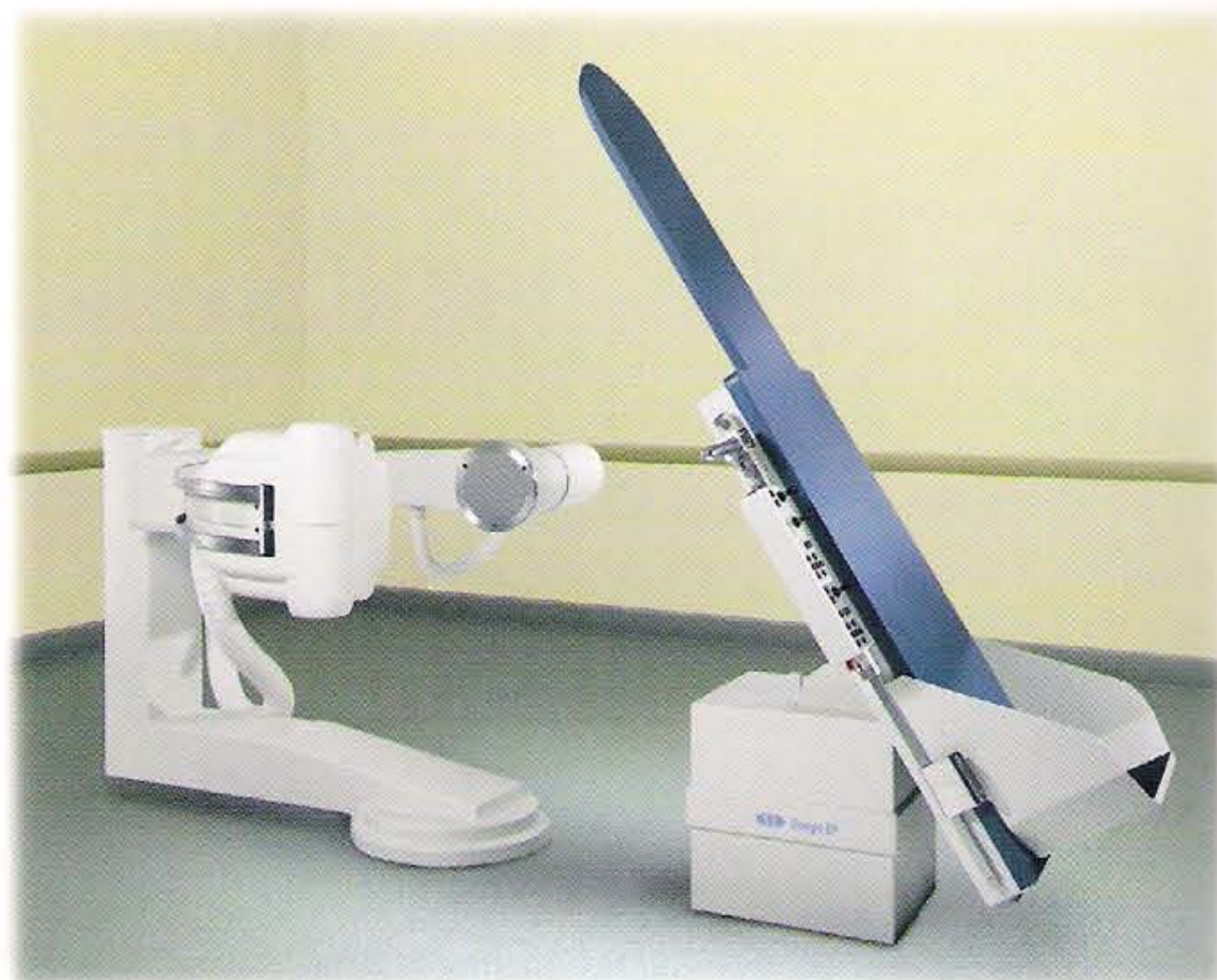
Omega's Bi-Plane Electrophysiology imaging system allows the operator to position the frontal and lateral plane positioner independently of one another. Additionally, the operator may engage the interlock mode, which allows rotation of the positioners in LAO/RAO projections around the isocenter using a single joystick.

Ease of operation is a benchmark of the Omega Bi-Plane Electrophysiology imaging system. Outstanding image quality combined with performance reliability has established Omega's EP imaging systems as the industry leader.



Tilting/Elevating Table

Omega pioneered the pedestal EP table that features a four way floating tabletop. It is an ideally suited table for cardiac imaging that incorporates tabletop elevation and tilting, 15 degrees trendelenberg and 80 degrees vertical. A safety interlock prevents longitudinal tabletop movement when tilting the top, while an "emergency down" tabletop feature provides a fast transition of the tabletop from the vertical to horizontal position.



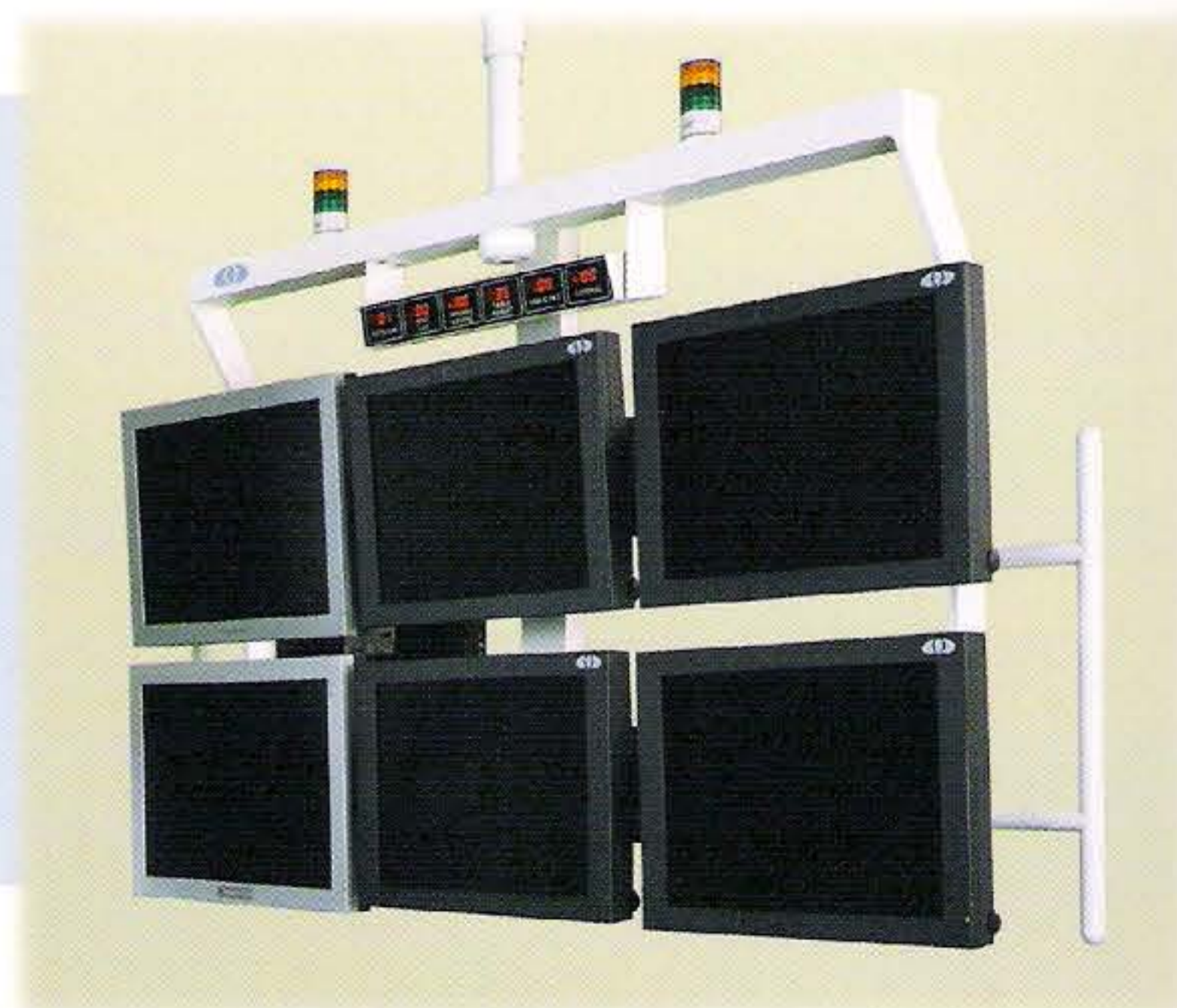
Bi-Plane System Controls

The Bi-Plane system controls consist of the same panning handle and operator controls that are utilized in the single plane system. Additionally, there are separate controls for operation of the lateral positioner.

When the Bi-Plane mode is selected, a unique interlock function allows the lateral and frontal plane positioners to be operated synchronously with a single joystick.

TV Monitor-Suspensions

Ceiling mounted TV monitor suspensions are included with all Omega's EP imaging systems. These suspensions provide the required space for two TV imaging monitors (Single Plane), four TV imaging monitors (Bi-Plane), along with additional space for EP slave and mapping monitors. All Omega monitor suspensions are moveable and can be positioned either right or left side of table.



The requirements for Electrophysiology imaging have changed dramatically over the past few years. Omega Medical Imaging is the only manufacturer of dedicated Electrophysiology imaging systems that has kept pace with today's demanding application requirements. Our Single and Bi-Plane systems are fully integrated and designed exclusively to fulfill the needs of EP, Pacemaker and ICD procedures.

A pioneer in the development of a dedicated EP tilting/elevating table, Omega's digital fluoroscopic image processing sets new standards in image quality. From inception, Omega's EP imaging systems have allowed viewing from the groin to the heart without interference from the x-ray positioner. All of these product features combine to establish performance levels that exceed today's demanding requirements for EP exams.

Price/Value...

In 1991 Omega designed, developed and installed the first dedicated Electrophysiology imaging system. Specializing in EP imaging, Omega has the knowledge and expertise to understand the needs of these special procedures. From its inception, Omega's EP imaging systems have lead the industry in providing reliable high quality products at a reasonable price/value relationship. All of Omega Medical Imaging systems are configured to optimize system flexibility and image quality by combining proven Table, Positioner and PrinceStar™ digital image processing technology.

- **Compact floor mounted tilting/elevating pedestal table**
 - ✓ four way floating tabletop with two-way tilting
 - ✓ fast action emergency down tabletop tilting
- **Floor mounted L/C positioner**
 - ✓ isocentric three axis positioner specifically designed for Electrophysiology with all motorized movements combined with automatic image rotation
 - ✓ ergonomically designed movable tableside operator controls with touch sensitive joysticks for smooth and precise control of the positioner
 - ✓ easy to read digital displays for positioner and table
- **PrinceStar™ digital imaging system**
 - ✓ true CCD 1024 x 1024 x 12 bit image resolution
 - ✓ cardiac digital processor for image acquisition and enhancement
 - ✓ X-ray generator featuring high performance variable pulsed fluoroscopy and high level fluoroscopy
- **Modular Design**
 - ✓ Omega is the only manufacturer that offers the ability for customers to purchase a single plane system that can later be upgraded to a bi-plane system without any loss of the original investment in the single plane system

Specifications...

Today's Electrophysiology systems require special features that provide distinct benefits to the operators and patients. Omega's systems are designed exclusively for EP imaging applications and performs with unsurpassed functionality for the demanding requirements of today and beyond.

- Variable pulsed fluoroscopy for radiation dose reduction
- Carbon fiber tabletop, designed for increased strength and radiation dose reduction
- Low absorption tabletop pad for radiation dose reduction
- High capacity x-ray tube for extended fluoroscopic times, digital spot or cine applications
- Cardiac digital imaging processor with user-friendly graphic imaging software
- High resolution Medical Grade flat panel displays
- Premium image monitor suspension with space allocation for EP slave and mapping monitors

Omega

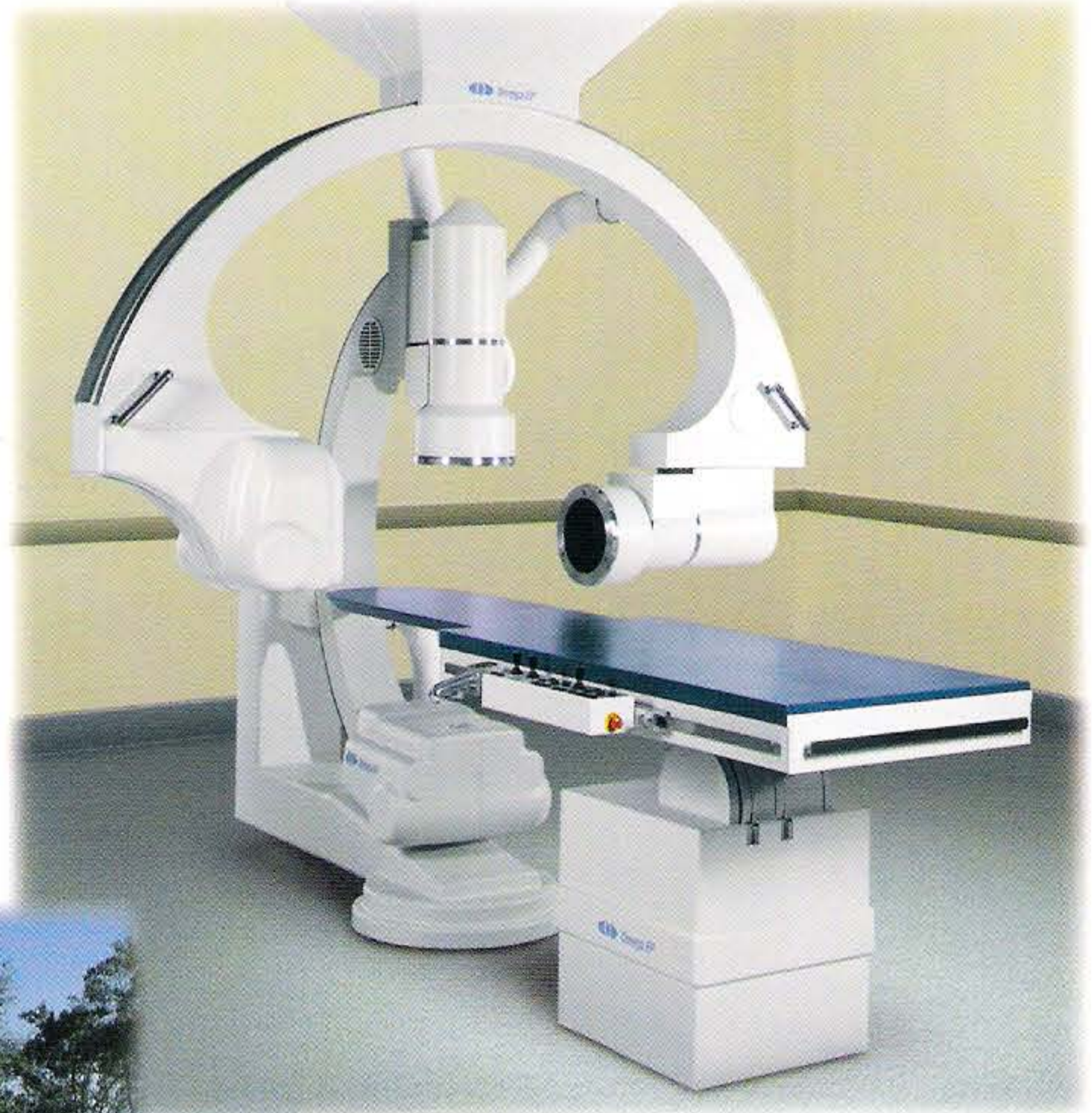
Turning Possibilities into Solutions

A Sensible and Cost-Effective Approach

In selecting an Electrophysiology imaging system, you'll want a product that leads – not follows – industry performance standards. With Omega Medical Imaging, you'll experience equipment that provides effective diagnostic results and leading edge technology, such as digital imaging, as well as a manufacturer dedicated to utilizing its knowledge and experience to turn possibilities into cost-effective solutions. With a history of leadership in EP imaging, Omega's commitment is to the development of cutting-edge technology in electrophysiology imaging systems.

Omega Medical Imaging, Inc., is the world leader in design, development and manufacture of dedicated Electrophysiology imaging systems. Omega's mission is to deliver state-of-the-art technology imaging equipment at cost-effective prices. Customer satisfaction remains our steadfast goal. We pride ourselves on continuing product improvement programs, which include design review with direct feedback from customers and EP LAB team members.

As a medical equipment manufacturer, Omega operates its business in accordance with FDA's Quality Systems Regulations. Our products are certified to UL Standards and comply with uniform hospital electrical safety standards.



Omega headquarters and production facility in Sanford, Florida

Omega products are represented nationally through a partnership with our exclusive distributors, specializing in cardiac sales and service. Over the years, this partnership has developed into a relationship based on professional and knowledgeable personnel who are experts in Cardiac imaging. Omega's national support program provides factory-trained engineers and application staff who assist distributors through regularly scheduled training programs.

Look to Omega Medical as your best source for experience and knowledge in EP imaging – our people, products, service and support – for imaging systems of today and tomorrow.

Unsurpassed simplicity, performance and reliability...



Omega Medical Imaging
Cardiac and Vascular Imaging Systems

Omega Medical Imaging, Inc. (407) 323-9400
675 Hickman Circle (407) 323-9331 Fax
Sanford, FL 32771