

A photograph of a modern operating room. Three medical professionals in blue scrubs and masks are working around a patient on a table. A large, curved C-arm X-ray machine is positioned over the patient. A large monitor displays medical imaging data. The room is brightly lit with overhead lights.

PHILIPS

Image guided therapy

Azurion

7 C20 with FlexArm

The advanced suite that works around you

Meet the new Philips Azurion with FlexArm – a revolutionary new approach to image guided therapy that gives you the freedom to improve and grow your minimally invasive care.

This new ceiling-mounted system provides unlimited imaging flexibility for diverse procedures and exceptional positioning freedom for medical teams. With the full flexibility and compact set-up of the FlexArm stand you have a highly cost-effective environment ready for the procedures of the future.

By working around you, **Philips Azurion with FlexArm helps you optimize your suite performance and deliver superior care.**

Key benefits

- Helps you to provide superior care with **unlimited imaging and staff positioning flexibility**
- Optimized performance of your lab or Hybrid OR by **maximizing utilization**
- Outstanding user experience through **more independent control and improved ergonomics**

Helps you to provide superior care with unlimited imaging and staff positioning flexibility

When performing complex interventions as a physician, your ability to see critical details of anatomy and stand where you need to is key to maintaining high standards of quality and safety. With FlexArm, the medical team can make optimal use of space to best perform a specific intervention and easily access the patient.

Improved 2D and 3D visualizations of anatomy

New, complex interventions require the utmost imaging flexibility to visualize critical anatomy and identify pathological changes during procedures. **FlexArm rotates on no less than eight axes** to create virtually unlimited flexibility to perform imaging, from head to toe on the left and right side for both 2D and 3D visualizations. The image beam remains aligned with the patient, allowing better anatomic visualization during rotations. The fast 3D acquisition reduces motion artifacts to enhance insight for TAVI, EVAR and other advanced procedures.



Full staff positioning freedom

FlexArm's positioning flexibility frees up medical teams to choose the best working position. The C-arm's 270-degree **range of movement** allows all imaging positions to be reached without hampering optimal team positioning and without needing to move the patient table. This avoids disturbing equipment and instruments, and keeps the anesthesia zone free. All 3D navigation tools can be used from seven positions around the table to support optimal staff positioning and patient access.



Improved radial access workflow

To enhance physician comfort and patient access, during radial access cases, the FlexArm C-arm can provide off-center imaging along both sides of the table up to 118 cm to both sides. This allows physicians to perform radial access cases on the left or right arm, fully or partially extended, without moving the patient or pivoting the table. The X-ray beam remains aligned with the relevant anatomy to promote smooth navigation over the full arm length without having to constantly adjust the position of the arm to the image.



Enhanced patient care

Frequent table movements during interventions can create stress for fragile patients, dislodge wires and tubes and disrupt the equipment and instrument set-up. FlexArm gives you the ability **to handle cases requiring full body access** with 2D or 3D imaging from three sides of the table without pivoting or panning the table. This can enhance the patient experience and improve catheter control and intubation.



Advanced infection management

To manage infection risk for patients during treatment, the FlexArm system is designed to meet stringent contamination control standards for operating rooms. It offers a Hybrid OR ceiling kit that **supports Hybrid OR sterility requirements** and allows **easy cleaning** of moving ceiling parts. The kit is designed to reduce laminar airflow disturbances when operating with a laminar airflow system.



Optimized performance of your lab or Hybrid OR by maximizing utilization

More than ever, hospitals must make measurable improvements in quality, efficiency and cost reduction to remain competitive. FlexArm was developed to help your healthcare facility make more productive and efficient use of your interventional lab or Hybrid OR room.



Increase suite utilization with procedure-based workflows

FlexArm's movement flexibility combined with intelligent motion control and procedure cards allow you to work according to procedure-based workflows to perform a broader mix of procedures. **This has been shown to slash system positioning time by 27% compared to labs with standard ceiling mounted c-arms***. You can now acquire 3D scans in three key positions at the head, left and right sides. Staff can guide devices from seven different positions increasing staff positioning freedom and patient access options. Patient oriented movements and instant parallel working mean greater staff focus and smoother procedures.



Supports multiple specialties now and in the future

FlexArm's unlimited imaging and staff positioning flexibility, as well as procedure cards and flexible workspots create the ideal multipurpose treatment environment to support different specialist medical teams to work in one room. Imagine a combination of surgical and endovascular procedures, cardiac and peripheral procedures or endovascular and orthopedic surgeries. As new techniques and demand arises, your FlexArm room positions you to evolve your services in the same room.



Increase standardization of clinical set-ups to streamline procedures

With the full flexibility of the FlexArm system, you no longer need to move the patient table during imaging or disturb nearby equipment and instruments. This gives you the opportunity to create fixed, predefined clinical set ups for various procedures. Azurion procedure cards offer presets to standardize set-up for all cases. Hospital checklists and/or protocols can be uploaded and used to help safeguard consistency and reduce preparation errors. This allows you to increase standardization of clinical set-ups to streamline procedures.



Make efficient use of space

The compact design of FlexArm takes up much less room to reduce the floor space requirements for your lab or Hybrid OR. It also makes more space available compared to robotic imaging systems because it does not create a large "no fly zone" in the treatment area. The compact design of FlexArm results in a small footprint in your suite, increasing the space to work in your lab or Hybrid OR.

* Compared to the labs with Azurion 7 C20. Evaluated with clinical users in a simulated lab environment after approximately 20 minutes of practicing C-arm and table positioning.

Outstanding user experience through more independent control and improved ergonomics

When a sophisticated imaging system becomes intuitive, predictable and comfortable to use, patient care and staff satisfaction can improve dramatically. FlexArm builds on the unique user experience of the Azurion to further improve the user experience during interventions and surgical procedures.

More independent control for physician

FlexArm further evolves Azurion's table side control with **Axsys intelligent motion control system** and intuitive controller to make procedures flow naturally and easily. That means when changes or complications occur, the physician can quickly and easily act on their own. This can also reduce the need for the physician and other team members to move in an out of the sterile field during a procedure.



Easy to use, easy to learn system

FlexArm offers many new innovations to help physicians and team members maintain their focus on the procedure including the patient oriented movement. Whether you angulate or rotate the imaging system, the X-ray beam remains centered over the region of interest so you do not have to constantly re-adjust the position of the image to display it correctly. **Axsys intelligent motion control** and FlexArm's positioning flexibility provide predictable and precise system movements that promote less disturbance and greater staff concentration. All work hand in hand with Azurion's unique user design, ensuring an easy to use, easy to learn system.



Improved ergonomics for medical teams

Medical teams gain new freedom in choosing comfortable working positions with the FlexArm movement flexibility. The system moves around the medical team and **frees up more space** around the table to work in the most ergonomic position. This can promote greater staff satisfaction and help your healthcare facility to recruit top medical talent.



Increase economic value

The pace and complexity of changing technology in interventional and OR environments makes definitive decisions around capital spending to support these improvements even more difficult. To help you fully leverage your financial, technological and staffing resources and create highly cost effective environment, that is equipped to do procedures of the future, we offer comprehensive support that extends far beyond the walls of your treatment room.



Support for continuous staff improvement

Philips Healthcare Education can help unlock the full potential of your staff, technology and organization to meet new challenges through innovative, meaningful and evidence-based healthcare education.



Stay clinically advanced, maximize imaging investments

Boost the clinical capability and operational performance of your system with Philips Technology Maximizer PRO – Mixed. This service agreement includes a software upgrade and hardware refresh program for Cardiac and Vascular clinical domains.

