

WHALE 



G-Arm[®]

MULTISCAN G-ARM SYSTEM B6

WHALE 

Groundbreaking technology from Whale Imaging

Beijing East Whale Imaging Technology Co, Ltd., Whale Imaging, is a high-tech medical device manufacturer based in Beijing, China. With a deep understanding of customer needs, we produce high quality products and optimal value for our users.



Whale's team of skilled and experienced engineers has been producing world-class technologies since 1998. Our surgical G-Arm X-ray and P-Series ultrasound systems are manufactured in our own state-of-the-art facilities. Hospitals and medical practices around the globe choose us for our excellent image quality, competitive pricing and personalized service.

Backers



Expertise in Hardware
and Software Design



User-Led Development
and Testing



Issues that need solutions

Increasing Ageing Population

- Rising cost pressure on the healthcare system.

Rising Costs

Payers implementing bundled payment schemes.

High incidence of revisions

Especially for high cost orthopedic and spine procedures

INCREASING URGENCY TO REDUCE COST BURDEN!

Need to reduce procedure time and improve operating room throughput.

Need to reduce revision rates for orthopedic and spine procedures.

The G-Arm Advantage

Confidence in outcomes

The G-Arm is designed to improve user confidence and patient outcomes in areas such as orthopedics, spinal surgery, neurosurgery, trauma, and pain management.

For clinicians and hospitals, Whale's product development focus is to create potential benefits based around process improvements, better procedures, and greater confidence.



Our key general aims are:



Reducing Dose

Fewer corrective exposures may mean cumulative radiation can be minimized for patient and staff.



Improving Procedure Time

Live twin plane views may speed placement and decrease time lost repositioning between AP and lateral views.



Increasing Accuracy

X-Beam technology aims to provide better precision. Better placement can make revision less likely.



Minimizing Risk of Infection

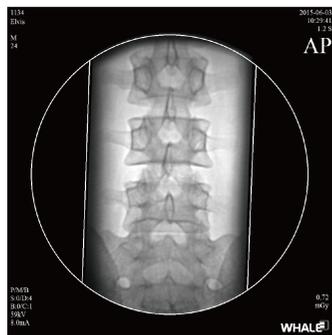
Eliminating the need to change the detector placement may help decrease disruption to the sterile field.

X-Beam[®]

Live images in two planes

With G-Arm the challenge of shifting between AP and lateral views is eliminated and enhanced by the X-Beam advanced digital platform so the procedure can be performed more efficiently.

This unique system architecture allows both AP and lateral anatomy to be viewed as high frequency images for both planes live and simultaneously.



"The G-Arm is easy to use and gives you two plane X-rays at the same time. Improves accuracy and efficiency."

- Hussein Abdulhadi, MD

IC-Clear[®]

Advanced algorithms for exceptional images

Our imaging suite consists of seven powerful real time image processing functions intended to maximize performance.

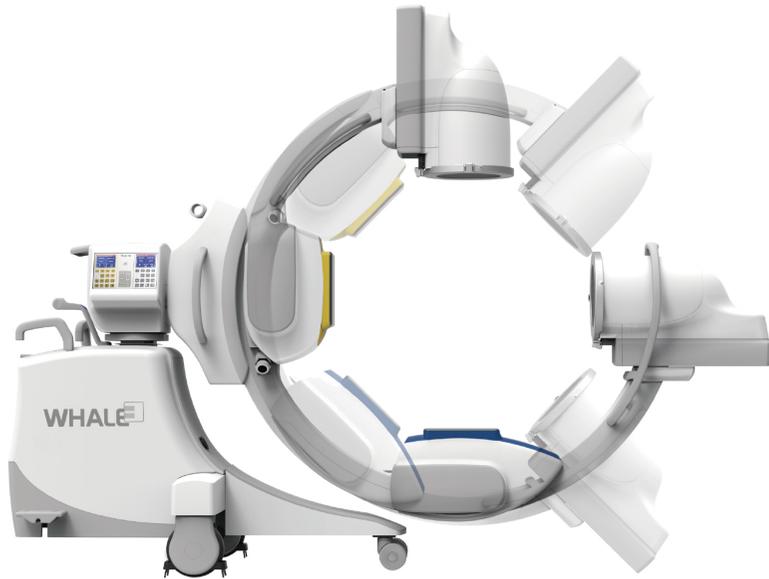
These proprietary algorithms optimize contrast and reduce noise using less power, therefore potentially lowering dose for the safety of operators and patients.

Optimized Workflow

Designed for the innovative surgeon

Featuring motorized rotation in both **orbital and axial directions**, the G-Arm captures the desired angle for each image.

This increased range of motion also enables the G-Arm to work with **all surgical tables**.



Smooth **motorized movements** can be operated directly or remotely for rotation, height settings, and SID distance to give a comprehensive range of agility.

High definition bright **19" monitors** have 270 degrees freedom of movement so they can be viewed from many positions.

An **intuitive console touch screen** combined with anatomic presets supports simplified workflow and improved productivity.

X-Pano™

Panoramic Imaging for G-Arm

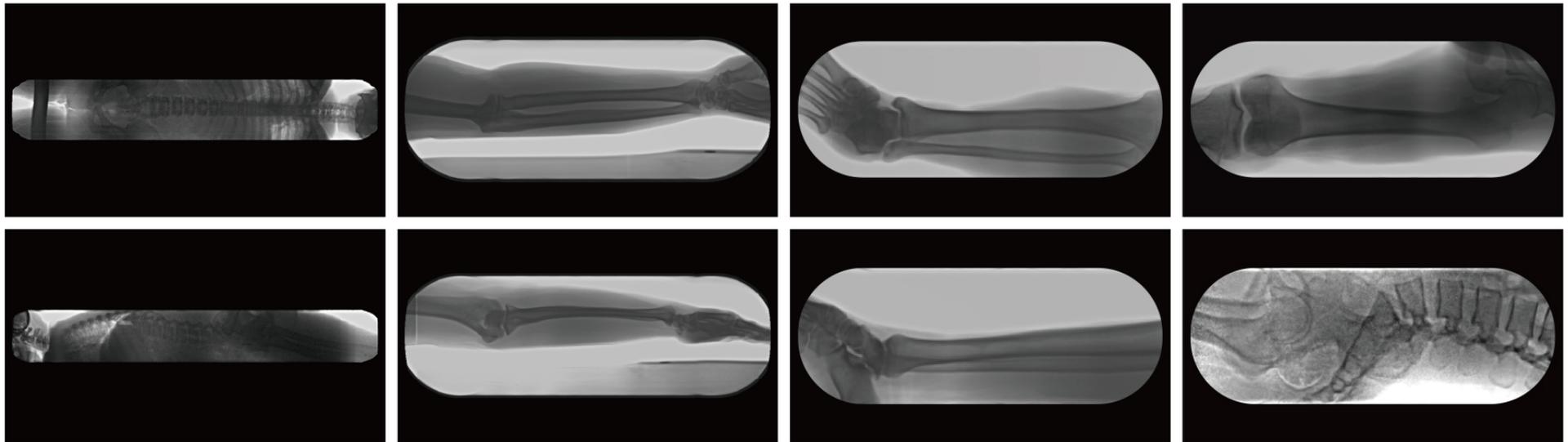
Currently, fluoroscopy is used in the operative setting to safely place spinal instrumentation.

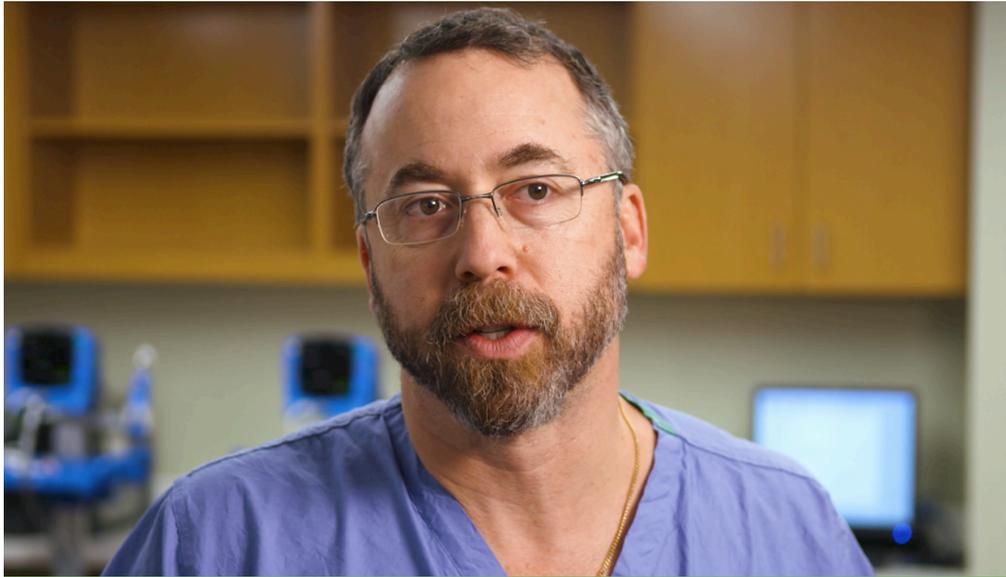
However, the limited field of view from these imaging systems does not allow a surgeon to assess the **global spinal alignment**. X-Pano used with G-Arm may offer a significant improvement on previous practices.

The Full Picture

X-Pano provides a unique, easy **low dose** method to obtain images quickly within the the G-Arm surgical imaging system.

X-Pano uses **automated stitching algorithms** to acquire full-length images of both planes within a few seconds. Images obtained can be sent through PACS for measurement such as COBB angle in spinal scans.





“In medicine we are always looking to bridge the theoretical into the real world where we provide care to patients. Imaging technology is clearly a technology that we use to help make that transition from theory to reality.”

Richard Millar, MD
Physician in Chief, Surgery
Southcoast Health

“The Whale G-Arm has really provided me with more confidence through less images and therefore less radiation, so safer for the patient and the people in the room.”

Matthew Philips, MD
Neurosurgeon





Make G-Arm Duo Part of Your Surgical Experience

Comprehensive Data Management

- DICOM 3.0
- On-board storage up to 100,000 images
- Export images via USB or LAN.

Global and Local Support

- Service and preventative maintenance
- Global network of qualified engineers
- On-site applications training
- Expertise and experience covering all continents.

