Fluoroscan® InSight™ FD Mini C-Arm

Be smart with dose. Know the facts.

Limiting the amount of radiation exposure to patients and healthcare professionals is a key topic in healthcare today. When using fluoroscopy, it’s important to be aware of the different methods used to reduce dose and how different manufacturers chose to use them. The Hologic Fluoroscan InSight FD mini C-arm is designed to use dose efficiently, applying the ALARA – “as low as reasonably achievable” – radiation safety principle, to reduce unnecessary radiation exposure to both you and your patients.
The Fluoroscan® InSight™ FD system produces up to 39% less dose than the competition – without the need for pulsed fluoroscopy.¹两种当使用较低的技术因子（kVp和/或mA）低于竞争者时，InSight FD系统是极其剂量高效的。

A flat detector tailored for extremity imaging

Mini C-arms are designed for imaging extremities where the anatomy is often long and narrow. We chose a rectangular shape for our detector to best suit the anatomy it is imaging. Combine our detector’s ability to rotate with its tailored shape, and you have a system that is uniquely designed for extremity imaging.

A collimator with significant dose savings

In addition to the dose-saving benefits of the flat detector’s shape, size and rotation capabilities, the system’s collimator can also be used to limit the field of view to 125cm² and decrease dose by up to 29%.² The InSight FD system uses up to 30% less dose when collimated compared to the competition with its same sized collimation.²

Dual imaging modes to provide options

The InSight FD system comes with two pre-set imaging modes that use dose differently. For routine imaging, the standard Auto Mode provides the greatest dose efficiencies. The Auto IQ Mode, which uses slightly more dose, is ideal when there’s a need for lower noise and better definition. In this higher dose mode, the InSight FD system still offers 18% less dose than the competitor’s highest pulse mode.²

Features designed for speed and efficiency

When taking a single diagnostic image, it’s important to optimize radiation used to generate each image. The InSight FD system has a true “snapshot” mode that applies the ALARA – “as low as reasonably achievable” – radiation safety principle. The user simply presses the X-ray button or pedal, and the system automatically uses the lowest dose possible to get the best image.

Conversely, with the competitor’s system, radiation is entirely user dependent, requiring the user to press the X-ray button or pedal until the image stops adjusting and a clear image is displayed, then release. This manual method can result in more dose than necessary to get an optimal image – or if the X-ray switch is released too soon, a poor image that needs to be retaken. Both can lead to more unnecessary radiation exposure.

The automated dose-saving snapshot mode takes the guesswork out of using dose efficiently.

A system engineered to protect you

By definition, mini C-arm systems are low dose; however, there are clear differences in radiation output by manufacturer.

The same is true for scatter radiation to the operator. When measurements are taken at the head, waist and knee height, the InSight FD system produces, on average, 55% less scatter radiation to the operator compared to the competition.¹ Even when compared to its lower pulse rate of 15pps, the InSight FD system has 46% lower scatter radiation on average.²

It’s important to protect everyone – the patient, the surgeon and the staff – from unnecessary radiation exposure.

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