

Introducing the
SMART ™



**Experience the
Power of Portability**



SMART ™

The C-arm you don't have to make room for

Open up your OR with a mini C-arm that is actually mini and provides the functionality of current models in the market today. Our creative design provides today's clinicians with flexible options to build a C-arm solution that fits their workspace and imaging needs.

The Smart-C® is designed with the following features:

- Lightweight, cordless, battery-powered system for true portability
- Sophisticated imaging algorithm for improved visualization
- Wireless, high-definition fluoroscopic imaging for radiological use
- Independent articulating arm for optimal positioning
- Ability to conserve space with a compact footprint
- Independent monitor cart that allows for clear field-of-view positioning
- Ability to detach from the articulating arm for independent, tabletop use

Full capability True portability

Wireless tablet that can be placed directly in your field of vision.

Intuitive imaging software on a touchscreen tablet.

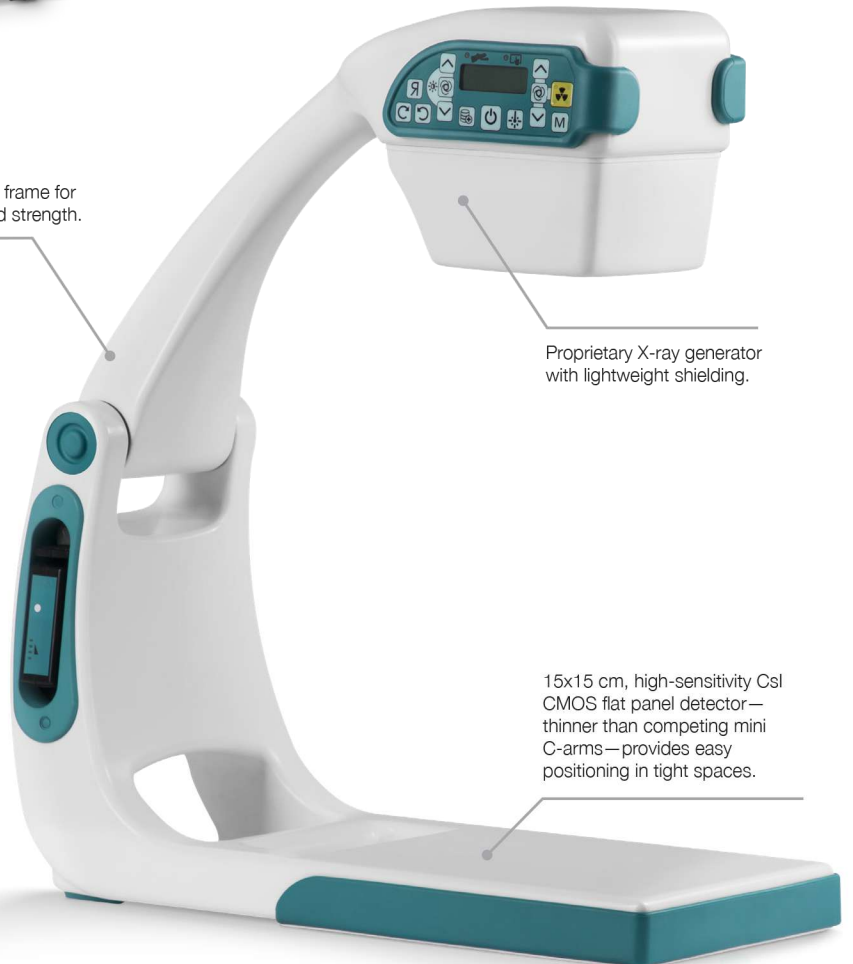


Automatic detection of dense objects and adjustment of contrast and brightness to optimize image.



Wireless, compact foot pedal.

Carbon fiber frame for durability and strength.



Foldable frame for quick transportation and easy storage.

Battery pack is integrated into the slim profile for cordless operation and true portability.

Proprietary X-ray generator with lightweight shielding.

15x15 cm, high-sensitivity CsI CMOS flat panel detector—thinner than competing mini C-arms—provides easy positioning in tight spaces.

Smart-C Technical Information

DICOM 3.0-compliant and
secure via wireless encryption

Imaging specifications:

Image Receptor	CsI Scintillator on Complementary Metal Oxide Semiconductor (CMOS)
Image Receptor Pixel Array	1.5k by 1.5k
Image Receptor Pixel Size	~99 μ m
Field of View	Primary collimation: 15 cm by 15 cm Secondary collimation: 10 cm diameter

X-Ray Specifications:

Tube kVp Range	40 kVp to 80 kVp
Tube Current Range	130 μ A to 370 μ A
Pulse Rate	10 pulses per second
Focal Spot	0.04 mm nominal

Weights And Dimensions:

Source to Detector Distance (SDD)	45 cm
Minimum Source to Skin Distance (SSD)	10 cm
C-Arm Free Space (Functional SDD)	34 cm
C-Arm Depth of Arc	31 cm
Weight	C-arm and battery : 7.2 kg Tablet: 1.5 kg Footswitch: 0.7 kg

Intended-use statement:

The Turner Imaging Systems' Smart-C is a mini C-arm X-ray system designed to provide physicians with real-time general fluoroscopic visualization of adult and pediatric patients. It is intended to aid physicians and surgeons during diagnostic procedures, therapeutic treatment or surgical procedures of the limbs, extremities or shoulders, including, but not limited to, orthopedics and emergency medicine. The Smart-C is intended to be used on a table or other hard, flat surface. It may also be used with the optional support stand.

Not yet cleared by the FDA
for sale in the USA.

US and foreign patents pending

To learn more about the
Smart-C, contact us at:

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