

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



All components easily merge for transportation and small footprint storage



27" bright touchscreen monitor for 12" x 12" live image.



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

Intuitive imaging software on a touchscreen tablet.



Battery reservoir for all-day cordless operation

Freedom to place the Monitor Cart wherever desired for optimal viewing

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

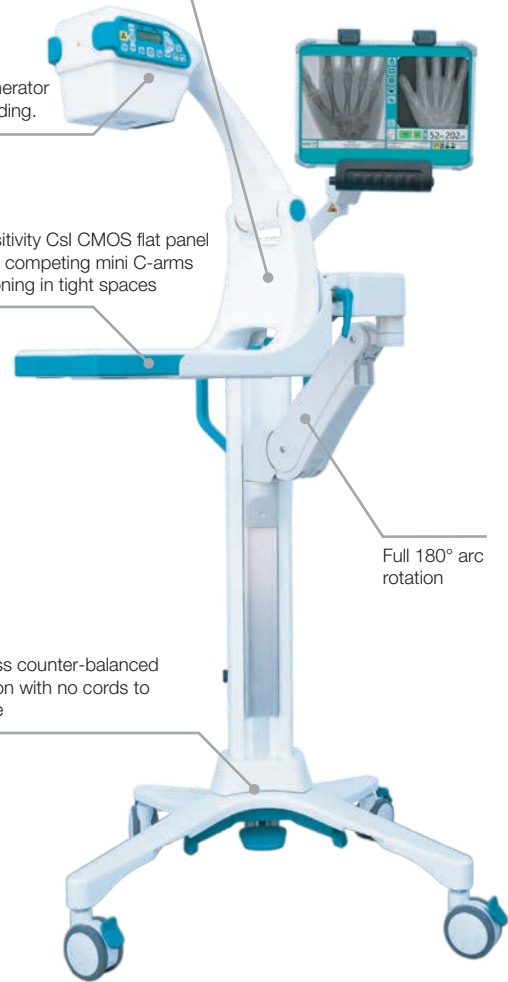


Wireless, compact foot pedal.

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



Full 180° arc rotation

Effortless counter-balanced operation with no cords to manage

Smart-C[®]

Technical Information

DICOM 3.0-compliant and secure via wireless encryption

Smart-C

Image Receptor	CsI scintillator on Complementary Metal Oxide Semiconductor (CMOS)
Image Receptor Pixel Array	1.5k x 1.5k
Image Receptor Pixel Size	~99 µm
Field of View	Primary collimation: 15 x 15 cm (6 x 6 in) Secondary collimation: 10 cm (4 in) diameter
Tube Voltage Range	40 to 80 kVp
Tube Current Range	130 to 370 µA
Pulse Rate	10 pulses per second
Focal Spot	0.04 mm nominal
Tablet Screen	34 cm (13.3 in) diagonal 1920 x 1080 resolution Touchscreen
Live Image	15 cm x 15 cm (6 in x 6 in)
Water Ingress	C-arm: IPX3 (spraying water) Tablet: IPX0 (not specified) Footswitch: IPX8 (immersion)
Source to Detector Distance (SDD)	45 cm (17.7 in)
Minimum Source to Skin Distance (SSD)	10 cm (4.0 in)
C-Arm Free Space (Functional SSD)	34 cm (13.4 in)
C-Arm Depth of Arc	31 cm (12.2 in)
Networking	DICOM 3.0 compliant
Wireless Security	WPA2 encryption
Weights	C-arm and battery: 7.2 kg (16.0 lb) Tablet: 1.5 kg (3.3 lb) Footswitch: 0.7 kg (1.5 lb)

FDA Cleared

US and foreign patents pending

Monitor Cart

Monitor	27 in diagonal 1920 x 1080 resolution Touchscreen 725 Cd/m ²
Live Image	30 x 30 cm (12 x 12 in)
Printer	Thermal, medical grade
Power	Battery operation (>8 hrs) or 115 VAC
C-arm Battery Charge Bays	2
Keyboard	Waterproof
Weight	65 kg (143 lb)

Support Stand

Height Adjustment Range	61 to 144 cm (24 to 57 in)
Reach	116 cm (46 in)
Horizontal Travel	218 cm (86 in)
Orbital Arc Rotation	Counterbalanced 180°
Wrist Spin Rotation	Unlimited
Weight	75 kg (165 lb)

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.

Follow IFU Safeguards

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

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