SMART C | Orthopedics

TURNER®
IMAGING SYSTEMS

SMART C

The Smart-C is cutting-edge

THE WORLD'S ONLY HYPER-PORTABLE, BATTERY-POWERED, AND COMPLETELY CORDLESS MINI C-ARM.

While compact in size, there are no technological compromises. The Smart-C combines a novel pulsed X-ray source (10 frames/second) with best-in-class CMOS detector (99 µm pixel pitch) to help physicians diagnose and surgically treat patients' extremities in many environments.

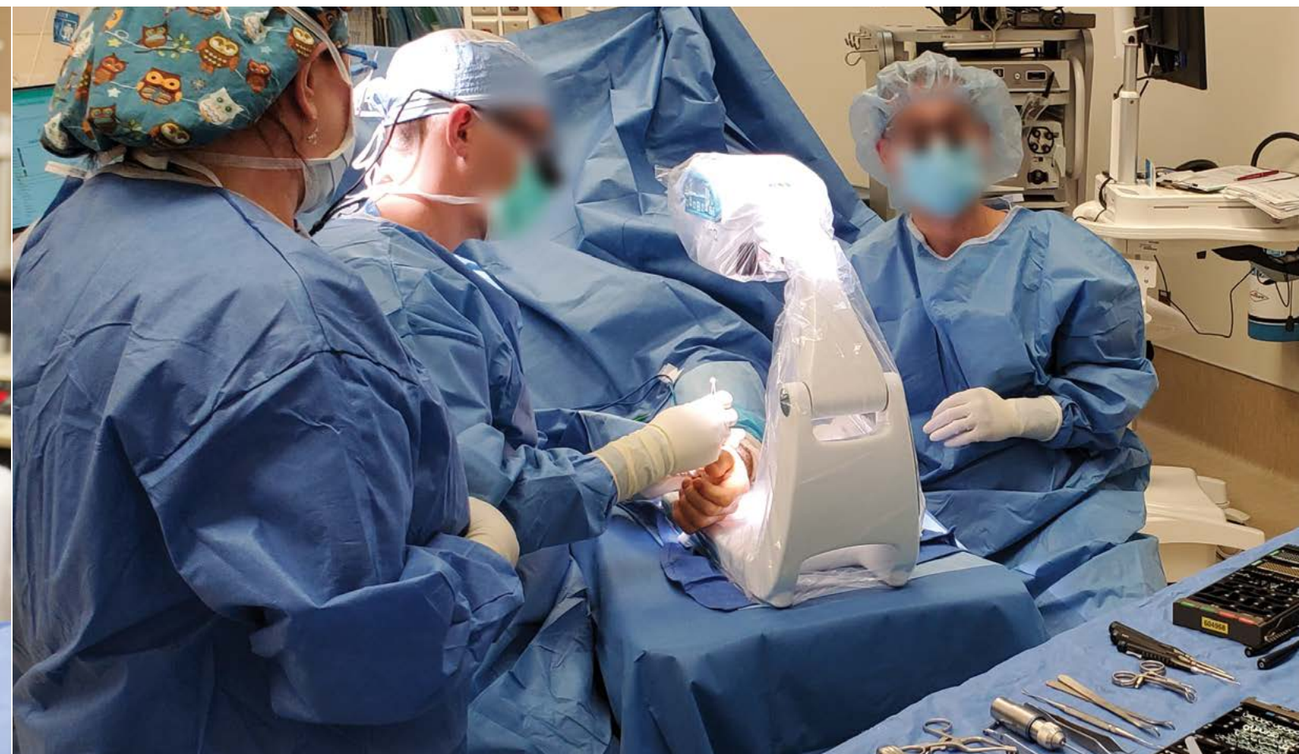
This hyper-portable, wireless mini c-arm offers unmatched ergonomic and use-case benefits. Smart-C allows surgeons to use the mini C-arm in the OR and clinic, without the limitations of traditional mini c-arms.

WIRELESS OPERATION

16 LBS

BATTERY POWERED

The Smart-C is the pinnacle of American engineering in your OR and clinic



IN THE CLINIC

In the clinic, the physician can meet, image, and treat the patient without leaving the room, enhancing the doctor-patient relationship and creating opportunities for clinical efficiency.

Procedures previously performed in the OR are now viable in the clinic. This Smart-C can be used for pre- and post-surgical imaging in the exam and patient room. This flexibility reduces the need for redundant equipment while providing faster and more cost-effective care.

The Smart-C allows for more procedures within the clinic, including but not limited to:

- ✓ Weight bearing imaging and stress views
- ✓ Image guided injections
- ✓ Closed reduction
- ✓ Motion imaging
- ✓ Pin removal

IN THE OPERATING ROOM

In the OR, the Smart-C maximizes your operating space and provides unmatched ergonomic benefits, as the surgeon can place the Smart-C, foot switch and monitor in any location that meets their preference.

Hand, foot, and ankle surgery workflow is improved by placing the Smart-C directly on the surgical table, then placing the anatomy directly on the thin imaging detector for the duration of the surgery. This decreases surgery time by removing the need to reposition equipment or anatomy for required imaging.

Sterile Operation

The entire C-arm and Tablet can be draped for operation in the surgical field, without rad tech or nurse assistance.

Traditional Mini C-arm systems contain cords that extend outside of the draped area, but since the Smart-C contains no cables or cords for power or connectivity, a perfectly sterile environment can be created, protecting the physicians and patients.

SMART C | Modular Design

SMART-C

Operate with the Smart-C directly on the surgical table to keep your floor space clear.

The thinnest detector on the market (1.5”) gives the surgeons more free space, allowing for operation directly on the detector.

SMART-C WITH SUPPORT STAND

Attach the Smart-C to the fully counter-balanced support stand for enhanced positioning. The cord-free design allows for unlimited wrist spin rotation.

SMART-C WITH SUPPORT STAND AND MONITOR CART

The unique monitor cart features a large battery reservoir that can be charged overnight for completely cordless operation all day.

The Smart-C monitor cart boasts a 27” Touch Screen Monitor with 1920 x 1080 resolution, a C-arm battery charging bay, and printer.

The support stand can be nested with the monitor cart for ease of transportation across multiple rooms.

Image Quality

Seeing Fine Details

Smart-C technology:

- Flat panel x-ray detector with a market-leading 99-micron pixel pitch
- Thinnest detector in the market (1.5”)
- X-ray tube contains a 42-micron focal spot

Clinical benefits:

- ✓ Identify hairline fractures and minute details
- ✓ More free space, allowing for operation directly on the detector

PULSED X-RAY TECHNOLOGY FOR MOTION IMAGING

Scan to see our motion imaging

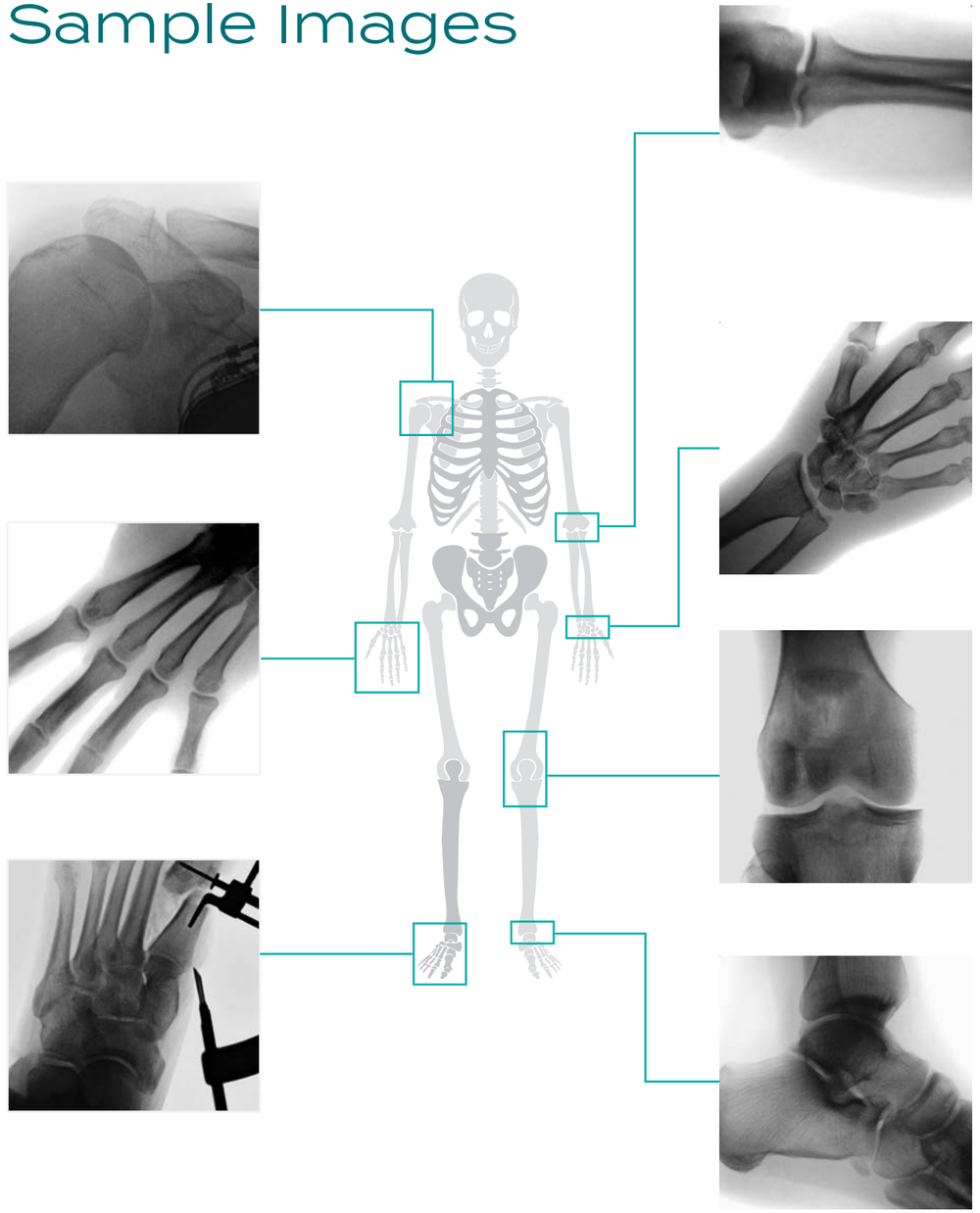
Smart-C technology:

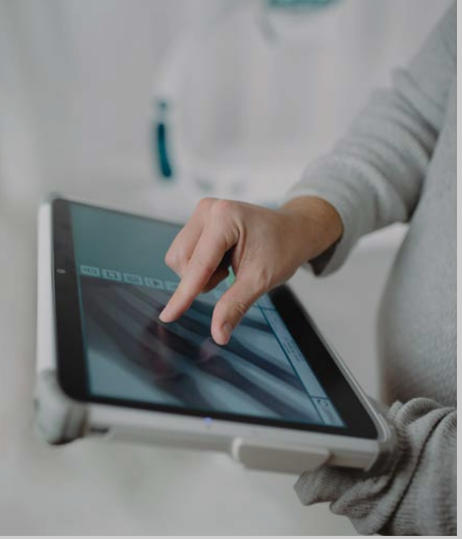
- 10 frames per second x-ray pulses
- Fast, square pulse wave forms

Clinical benefits:

- ✓ Enhanced motion imaging and less “motion blurring”
- ✓ Significant dose savings vs. continuous fluoroscopy

Sample Images





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