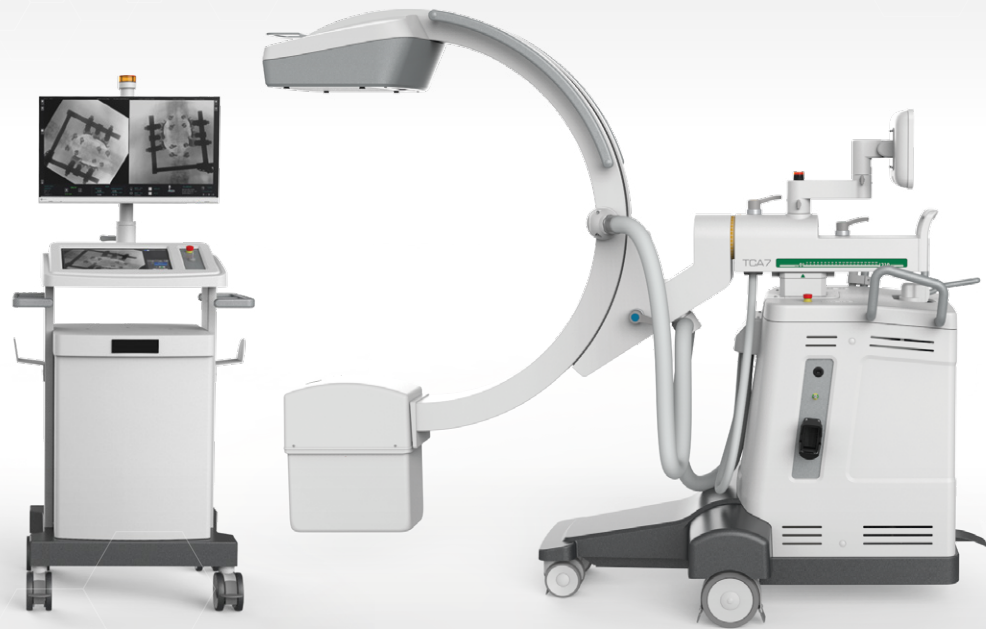


TCA7



TCA7

Technix TCA7 is a high-performance mobile fluoroscopy system with advanced cooling technology that allows a wide range of surgical procedures with long exposure times. The c-arm can be equipped with a **21x21 or 30x30 Flat Panel Detector** and a monobloc with power equal to **5 kW or 25 kW**. Thanks to the innovative Energy Storage Unit (ESU) system, the power of 25 kW can be supplied without the need for batteries, thus reducing weight and maintenance costs.

TCA7 is a compact, lightweight, balanced and easy-to-move device. C-arm movements are easily identifiable thanks to a special **color-code scheme**, and the column travel is motorized. Cable pushers are present on all wheels to facilitate movements, and the reduced footprint permits to get closer to the operating table.

The user interface is simple and functional, designed to keep the operator outside the sterile area. The c-arm implements systems for dose control and optimization, that allow for the acquisition of high-quality images while safeguarding patient health.



TX TECHNIX

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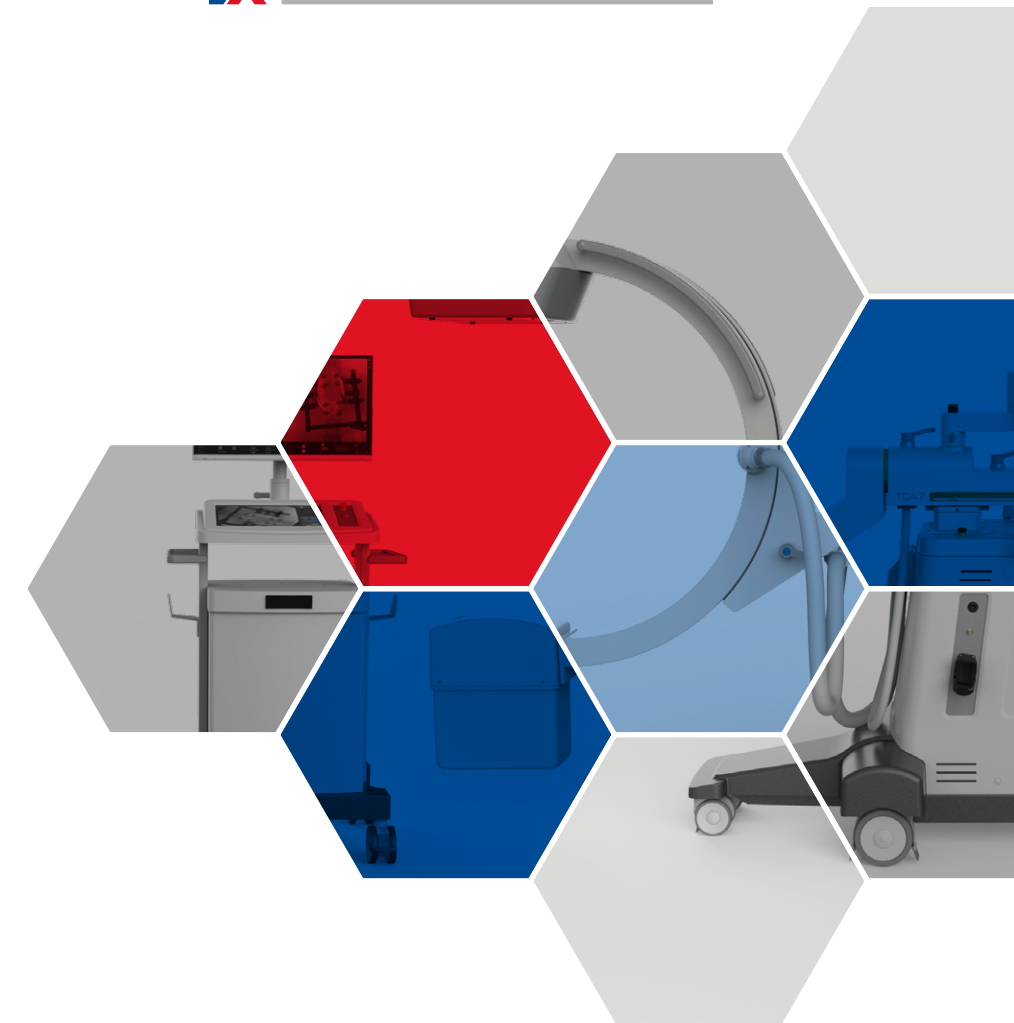
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TX TECHNIX



TCA7

Highly optimized mobile C-arm system
with FPD for surgical fluoroscopy

TCA7

COMPACT



TCA7 Compact

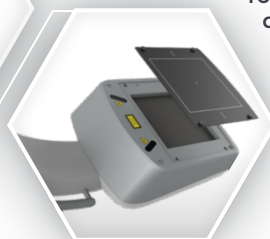
TCA7 Compact is a mobile fluoroscopy system with an integrated workstation, capable of replicating all TCA 7 features in an all-in-one configuration. Available with a **21x21** or **30x30 Flat Panel Detector**, TCA 7 Compact comes in two different power versions: **3.5 kW** (with fixed anode) and **5 kW** (with rotating anode).

The absence of the monitor trolley and its extremely compact size make the system easy to maneuver and ideal for small surgical rooms. A **color-code scheme** facilitates the identification of the c-arm movements, and the presence of cable pushers on all the wheels of the stand optimizes its displacement. The motorization of the column and lateral rotation are ideal for various types of clinical applications.

The user interface is simple and particularly intuitive, with a **touchscreen image monitor** that can be oriented as desired by the operators to be easily visible from all angles. Attention to the control and containment of the dose delivered to patients is maintained, as is the high quality of images obtainable in both **fluoroscopy** and **digital radiography**.

DOSE CONTROL AND OPTIMIZATION

TCA7 allows the display and storage of all dosimetric information of the exam and provides various mechanisms for optimizing and reducing the dose. These include the **laser targeting device** on FPD and tube side, the **removable anti-scattering grid** and the motorized pediatric filters. The **collimator** can be equipped with **rotating and asymmetrical secondary shutters**, and virtual collimator preview is available. Preloaded APR programs speed up the workflow by suggesting to operators the most appropriate radiological parameters to achieve an optimal balance between dose and image quality.



NEW FPD WITH IGZO TECHNOLOGY

The new IGZO technology joins classic 21x21 and 30x30 amorphous silicon FPDs, improving image quality at low dose and providing additional interesting advantages. In fact, **IGZO Flat Panel Detectors** guarantee higher acquisition frequency, reduced lag and noise, and considerable energy savings.



WIRELESS FOOTSWITCH

To minimize cable clutter, TCA 7 can be supplied with a **multifunctional wireless footswitch**, capable of controlling various exposure modes with a nominal range of 10 meters (up to 15 meters in a straight line).



TOUCH-SCREEN CONTROL PANEL

The touch-screen control panel on the c-arm stand allows operators to easily manage all operating parameters, view the live image preview and monitor any alarms regarding the system functionality.



SIMPLE AND INTUITIVE DISPLAY STATION

TCA7 includes a lightweight and ergonomic monitor trolley with antistatic wheels, that can be used together with the c-arm stand, during the acquisition, or alone, after the examination. On board the trolley, a 15.6" touchscreen monitor allows the real-time management of the imaging software functions, while a high-resolution monitor available in various sizes (from 27" to 43") displays both the live and the reference image in a split-screen mode. The articulated support arm ensures optimal visibility from all angles, keeping the operator out of the sterile field. The images acquired can be easily exported, printed and sent to hospital servers either on wireless or via cable, in accordance with the **DICOM 3.0** standard. Where required, main monitor **remotization** is possible, while the presence of a **UPS** ensures data integrity even in the event of a power failure.

