

Ziehm Solo
Superb imaging meets
versatile design



Ziehm Solo. Big things come in small packages. With its all-in-one design, the Ziehm Solo is one of the most compact and versatile C-arms available.

- Single component design with full-size monitor mounted on C-arm
- Simple positioning around patient and table due to the Ziehm Solo's large C-arm free space, depth and 135° orbital rotation and 45 degrees of overscan
- Advanced performance with state-of-the art imaging technology
- Quick and simple imaging for orthopedics, pain management and general surgical applications
- Versatile viewing capabilities – Ziehm Viewing Station or ceiling-suspended monitors (both optional)

01 /Versatile solution for small operating rooms. Configurable to fit your needs.

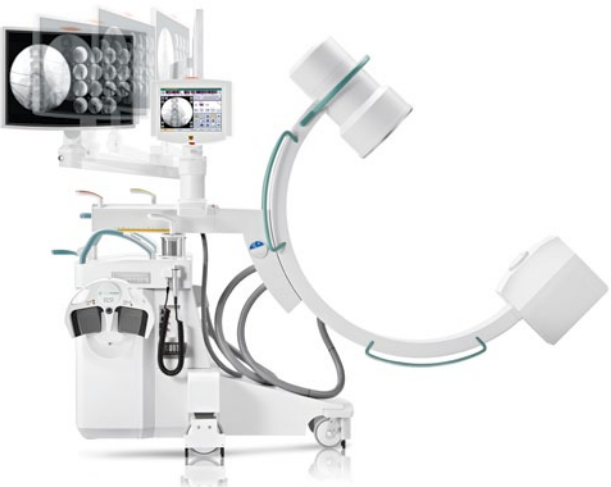
Compact design

The Ziehm Solo is one of the most compact C-arms on the market. The Ziehm Solo comes standard with a rotating, 24" splitscreen monitor mounted on the C-arm, eliminating the need for a separate monitor cart. All functions required for image capturing, processing and archiving are integrated into the C-arm. Its compact design and easy-drive system make the Ziehm Solo ideal for even the smallest ORs. As with all Ziehm Imaging C-arms, all movements are fully counterbalanced in every position, making the unit extremely convenient to use.

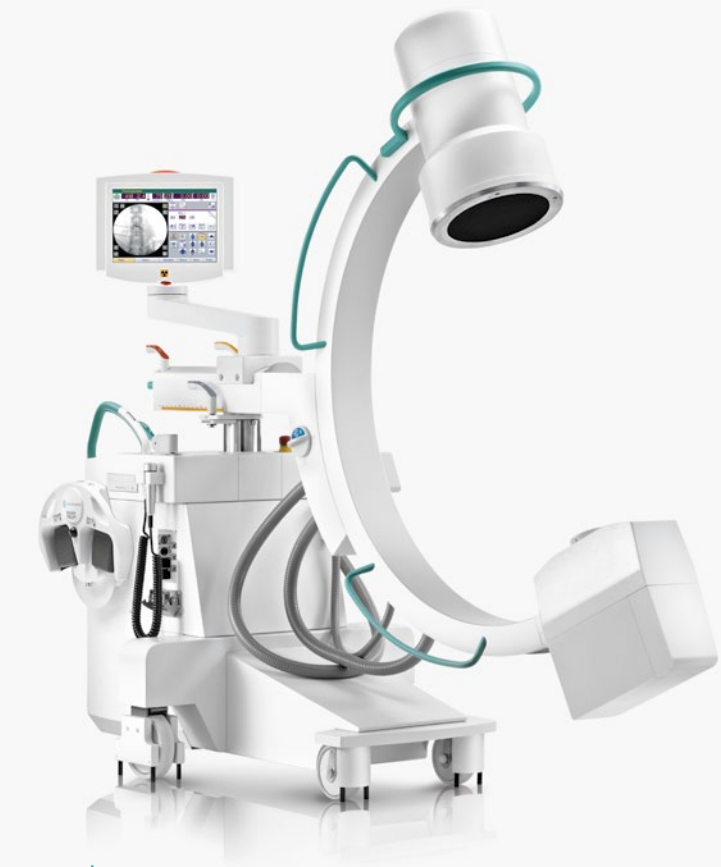
Flexible configurations

As an option, the Ziehm Solo can be easily supplemented with an extra viewing station or with ceiling-mounted monitors. The Ziehm Viewing Station provides enhanced flexibility during interventions and includes an additional synchronized Solo Center user interface. This allows you to conveniently operate the system from the Ziehm Viewing Station and C-arm. The optional ceiling-mounted monitors can be mounted to existing suspension systems, giving you additional viewing options while saving space in the OR.

You are also free to combine the various configuration options as needed.



Configuration 1:
Flatscreen directly mounted on C-arm
Most compact configuration of the Ziehm Solo with a high-resolution 24" splitscreen monitor or alternatively dual 19" flatscreen monitors.

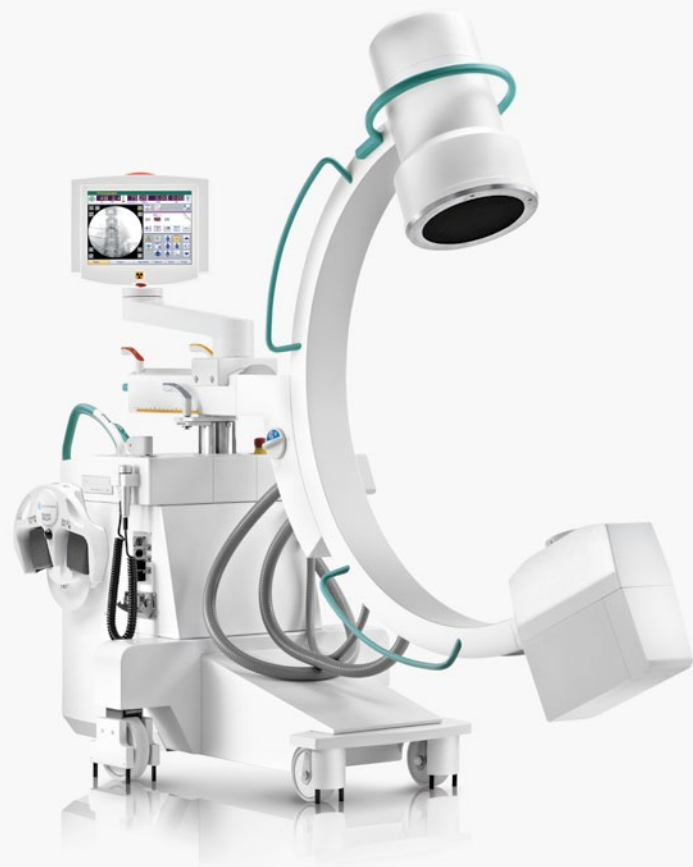


The integrated monitor is not required if the mobile stand is used with the Ziehm Viewing Station or ceiling-mounted monitors.

Configuration 2:
The Ziehm Solo with Ziehm Viewing Station
The C-arm can be easily supplemented with an extra Viewing Station featuring a 24" landscape splitscreen monitor or dual 19" flatscreen monitors. The Ziehm Viewing Station is compatible to work with any Ziehm Solo systems.



The system can be freely positioned as the Ziehm Viewing Station and C-arm interfaces are synchronized.



The integrated monitor is not required if the mobile stand is used with the Ziehm Viewing Station or ceiling-mounted monitors.



A 24" landscape splitscreen monitor or dual 19" monitors can be attached to existing wall or ceiling support arms to increase flexibility and save OR space. (Ceiling support arm is not provided by Ziehm Imaging)

Configuration 3:

The Ziehm Solo with wall- or ceiling-mounted monitors

This space-saving configuration maximizes available space in the OR.

02/Best image quality. Minimized dose. For a wide variety of applications.

High-resolution imaging

- Compact monoblock generator
- Sharp images from pulse technology to reduce motion-related blurring
- Reduced dose from pulse technology
- High dynamic range CCD camera
- 1 kx1 k resolution with more than 4,000 shades of gray for visualizing small anatomic details
- More generator output contributes to image quality due to minimal generator-to-tube cabling

Contrast-rich visualization

- Variety of contrast rich display options
- Optimal viewing of the finest details from any angle

Automatic adjustment

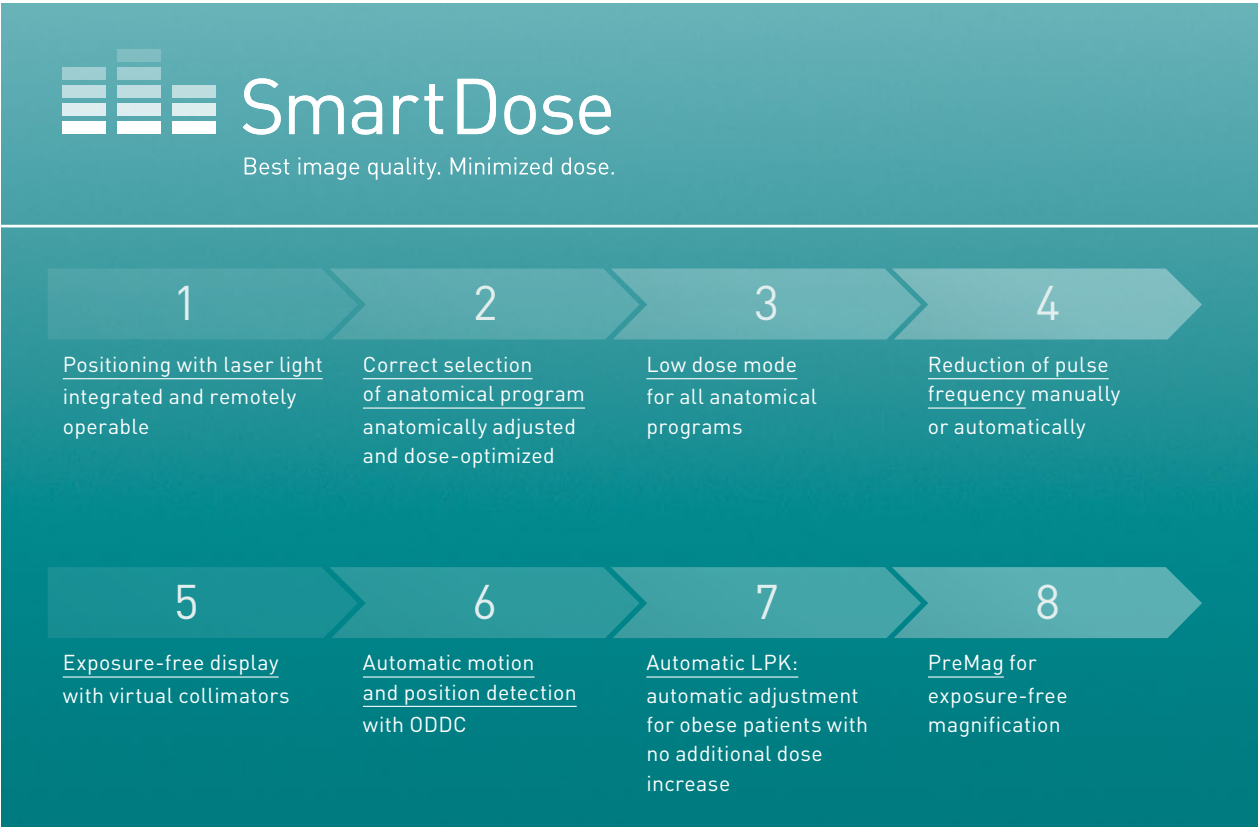
The Ziehm Solo offers Object Detected Dose Control (ODDC). This function adapts all settings to the patient’s anatomy. Thanks to 256 measurement cells, it automatically detects the object’s position in the whole field of view and adjusts the system accordingly to always get a crystal-clear image – even if the object is not centered. It also dynamically adjusts generator output and video



levels to the patient’s anatomy by detecting motion and any metallic devices placed in the area of interest. Both patients and OR staff benefit from fast, superb-quality imaging and minimized dose levels.

Comprehensive concept for dose reduction

Ziehm Imaging has incorporated SmartDose¹ in the current generation of mobile C-arms. This comprehensive concept sets the benchmark in user-friendly adjustment of dose exposure and allows the physician and staff to significantly reduce dose while optimizing image quality. SmartDose benefits both patients and staff alike.



¹In clinical practice, the use of SmartDose may reduce patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task.

03/New dimension in user-friendliness.
Tailored support for clinical workflows with
new levels of intuitive guidance.

Intuitive workflow

The Ziehm Solo’s user interface and intelligent user menus provide simple and intuitive operation. You will benefit from synchronized touchscreens featuring clear and easy-to-follow icons. Ziehm SmartEye technology mirrors the monitor image to the touchscreen, giving the operator a live image to keep track of current image orientation and object position. From a concise of anatomical programs, the operator simply selects the desired option, and the Ziehm Solo automatically adjusts system performance to the region of interest, always ensuring the best image at the lowest possible dose.

Seamless integration

The Ziehm Solo’s open Ziehm NetPort interface enables easy integration into existing IT networks. X-rays saved in DICOM 3.0 format are transferred to the PACS, and patient data can be exchanged with HIS/RIS. Data can be retrieved from the C-arm at any time. It can also be backed up to DVD or USB stick and printed on transparencies or paper.

Fit for the future

The graphical user interface and the open, modular software architecture ensure maximum flexibility. The Ziehm Solo can be upgraded and expanded as needs change.

Features			
Footprint	8.6 sqft (0.8m²)	Ziehm Viewing Station	optional
C-arm opening	29.9" (76 cm)	Monitors for existing ceiling support arms	optional
1 k x 1 k technology	•	DICOM 3.0	•
Touchscreen user interface	•	Interface to 2D navigation systems	optional
Pulsed monoblock generator with 30 pulses/s	•	Printer / DVD	optional
Ziehm SmartEye with SmartControl	•	Cineloop / DSA	optional
SmartArchive	•	Wireless features	optional
Anatomical Marking Tool (AMT)	optional	(WLAN, Wireless Video, Wireless Footswitch)	



SERVICE

We make sure you get the best results from our best products.

ZIEHM IMAGING’S DIRECT SERVICE ORGANIZATION. Regardless of your needs, our experts are on hand. We offer nationwide service coverage with 24/7 phone support from our direct service organization. Our service programs cover the lifespan of the product – ranging from complete care, which includes parts and labor, glassware and image intensifier/ flat-panel detector coverage, to preventative maintenance only programs. You can always rely on Ziehm Imaging for flexible and fast service.

KEEPING YOU AT THE CUTTING EDGE. With Ziehm Academy you can enhance your clinical knowledge, find out more about mobile C-arms and receive tailored trainings. The courses cover the full clinical spectrum, from general operator training and technical workshops to high-level training sessions focusing on daily clinical workflows.



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We would be pleased to consult with you personally. Please scan to give us a call.

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