Ziehm Solo
Superb imaging meets
versatile design

High resolution thanks
to 1k x 1k technology
↗ 06

24" splitscreen
monitor mounted
on mobile stand
↗ 04

Intuitive touchscreen
user interface
↗ 08

Lightweight design with
compact footprint
↗ 04

Pulsed 2 kW monoblock
generator for optimal
image quality
↗ 06
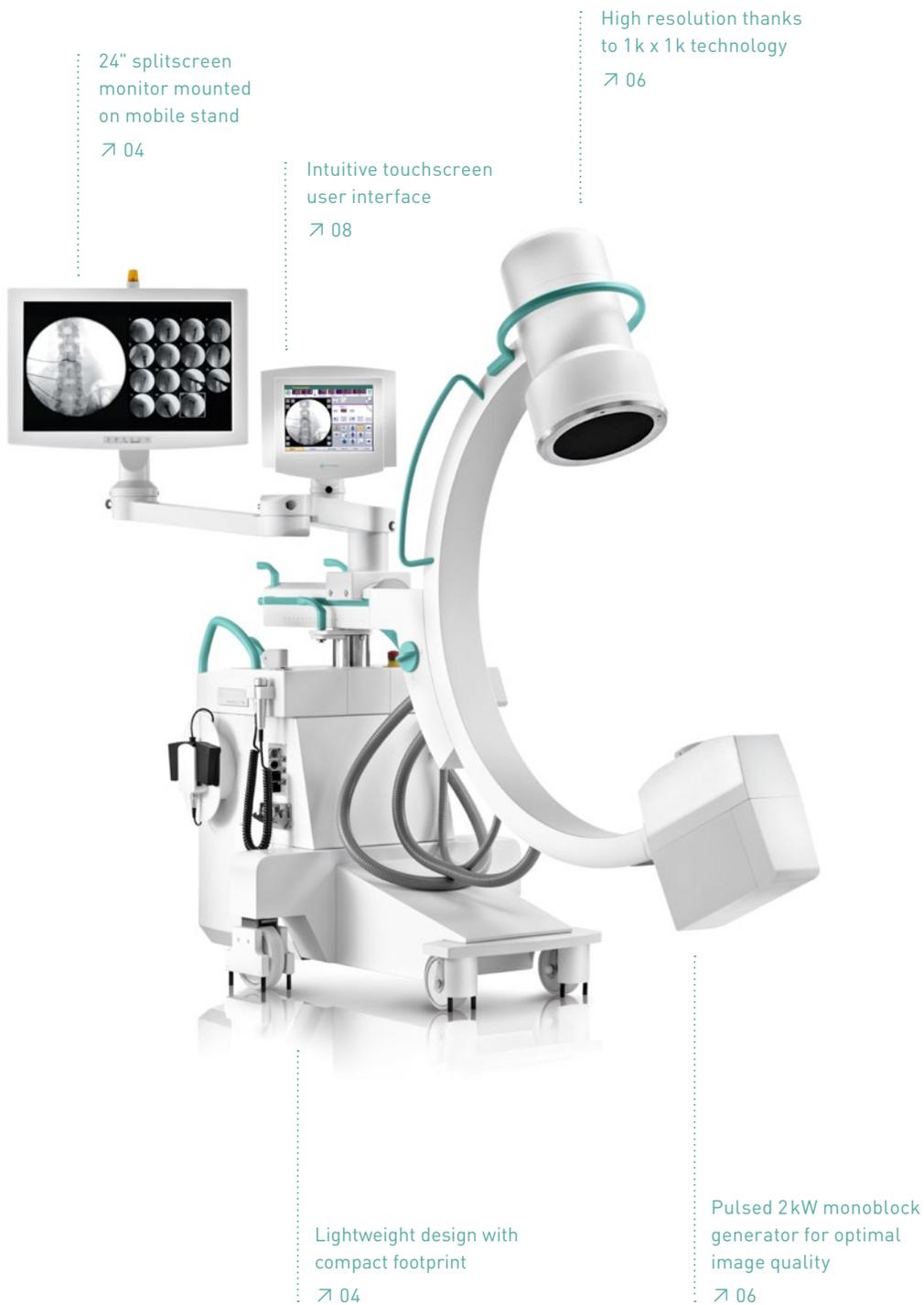
<u>Ziehm Solo.</u> Big things come in small packages. With its all-in-one design, Ziehm Solo is one of the most compact and versatile C-arms available.

→ Single component design with full-size monitor mounted on C-arm

→ Simple positioning around patient and table due to Ziehm Solo's large C-arm free space, depth and 135° orbital rotation

→ Advanced performance with state-of-the art imaging technology

→ Quick and simple imaging for Orthopedics, Pain Management and General Surgical Applications

→ Versatile viewing options at the C-arm, optional Ziehm Viewing Station or ceiling-suspended monitors

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

Compact design

Ziehm Solo is one of the most compact C-arms on the market. 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 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, 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.
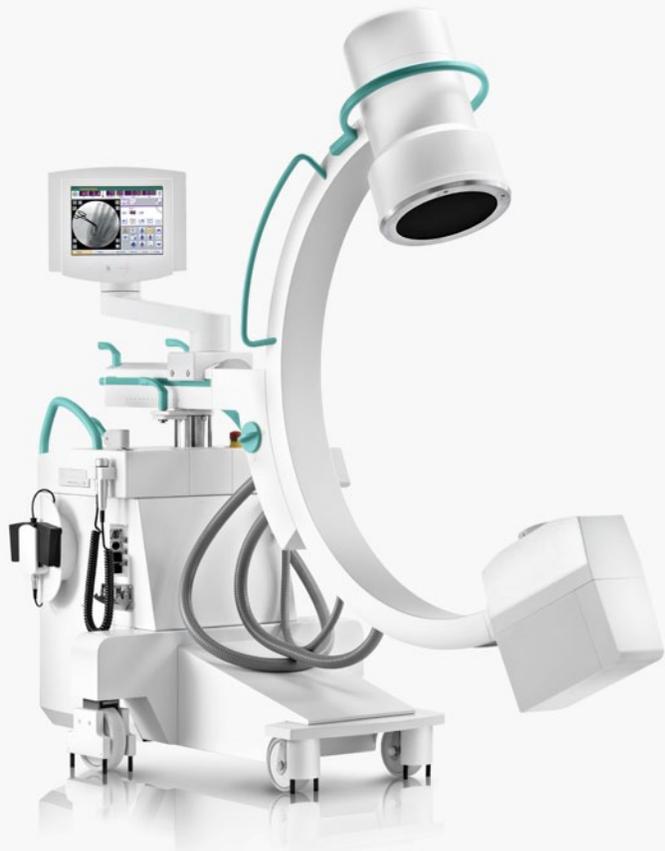
You are also free to combine the various configuration options as needed.

Configuration 1:

Flatscreen directly mounted on C-arm

Most compact configuration of Ziehm Solo with a high-resolution 24" splitscreen monitor or alternatively dual 19" flatscreen 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)

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

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

Configuration 3:

Ziehm Solo with wall- or ceiling-
mounted monitors

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

02 / Best image quality. Minimum 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 k x 1 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

Ziehm Solo is optionally available with 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 minimal dose levels.

ODDC inside

Comprehensive concept for dose reduction

Ziehm Imaging has incorporated SmartDose 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.

SmartDose
Best image quality. Minimum dose.

1
Positioning with laser light integrated and remotely operable

2
Correct selection of organ program anatomically adjusted and dose-optimized

3
Low dose mode for all organ programs

4
Reduction of pulse frequency manually or automatically

5
Exposure-free display with virtual collimators

6
Automatic motion and position detection with ODDC

7
Automatic LPK: automatic adjustment for obese patients with no additional dose increase

8
PreMag for exposure-free magnification

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

Intuitive workflow

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 shortlist of
anatomical programs, the operator simply selects the desired option, and Ziehm Solo automatically
adjusts system performance to the region of interest, always ensuring the best image at the lowest
possible dose.

Seamless integration

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 monitor cart 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.
Ziehm Solo can be upgraded and expanded as needs change.

Features

Footprint	8.6 sq ft (0.8 m²)	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	•	WLAN	optional
Pulsed monoblock generator with 30 pulses / s	•	Printer / DVD	optional
Ziehm SmartEye with SmartControl	•	Cineloop / DSA	optional
SmartArchive	optional		