Intelligent functions for a perceptibly improved workflow

Increased pressure and flow performance
For examinations with high flow rates and high contrast media viscosities.

CDadapt™
Automatic reduction of contrast media density (e.g., for cardiac examinations) and simultaneously reduced costs due to lower contrast media consumption.

Display of remaining quantity
Easy-to-understand traffic light indication and clear display of available medium volume plus accurate ml indication.

SYNCopen™
SYNCopen establishes a connection between CT motion and a validated CT scanner. The examination can be started by pressing just one button.

RIS/PACS Interface
The ulrich medical RIS/PACS Interface enables the simple and comprehensive integration of CT motion into RIS and PACS systems using the DICOM standard. Automatic transfer of the injection protocol optimizes the quality of the documentation and processes.

Technical data

Product number	XD 8000
Dimensions (L×W×H)	Pedestal version: 645×645×1,464 mm
Weight	Pedestal version: 79 kg, ceiling version: 30 kg plus support arm
Power supply	Rechargeable battery and mains operation
Voltage supply	100–240 VAC / 50/60 Hz
Integrated rechargeable battery (pedestal version)	Lithium ion, 25.2 V
Media transport	Roll pump
Flow rate (with contrast media)	0.1 to 10.0 ml/s, in increments of 0.1 ml/s
Maximum injection volume	400 ml/patient (without KVO), in 1.0 ml increments
Reservoir capacity	Contrast media: max. 2× 1,000 ml NaCl: max. 1× 2,000 ml pedestal version NaCl: max. 1× 1,000 ml ceiling version Contrast media heater (> 28°C to 37°C)
Adjustable pressure limit	2 to 17 bar (29 to 247 psi)
Pressure monitoring	2 pressure sensors
Maximum system pressure	22.4 bar (325 psi)
Air monitoring	3 detectors for the media supply tubing, 1 air detector for the pump tubing, 1 air detector for the patient tubing
User interfaces	Terminal: 12" color TFT touch screen Injector: Graphic display with soft keys
Data import and export	USB interface
Data transfer from injector to terminal	Bluetooth, Class 1
Quantity of boli (phases) per injection program	Max. 40
Quantity of injection programs that can be saved	100
Pressure curve	Real-time display of the injection pressure curve
Software functions (standard)	- Seamless - Display of remaining quantity - NaCl backup - Manual / time-controlled pause - Standard / temporary pressure limit - Keep-Vein-Open (KVO) - Heater
Software options (license)	– Tandem - Same patient: Multiple injections per patient – Contrast media substitution – Start delay – Stopwatch – Elapsed time – SYNCopen™ – CDadapt™ – RIS/PACS Interface – Media Scan (included in RIS/PACS Interface)
Injector accessories	Tray, waste bin, saline rod
Disposables	Patient tubing 12 h, 1.5 m, 2.5 m or 3.2 m Pump tubing 24 h

The country-specific availability of articles must be taken into consideration. ulrich medical does not sell and distribute this product in the United States.

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Supporting member of the German Society for Hospital Hygiene (Deutsche Gesellschaft für Krankenhaushygiene e. V.)

CT 401013 R6/2026-04 Subject to technical changes, misprints, and errors.

CT motion™ SPICY

Contrast media injector for CT

dedicated to you.

Comprehensive solution for worry-free administration of contrast media

Rapid and simple patient changeover in just a few seconds
- Set-up just once daily
- Intuitive user interface
- Optimal contrast media management with two connection points

Hygienic & safe
- Closed system
- Direct injection from the original media containers
- Verified 24-hour use of the pump tubing [1]
- Injector- and patient-side air detectors protect against air injection
- Reliable protection against retrograde contamination [2]

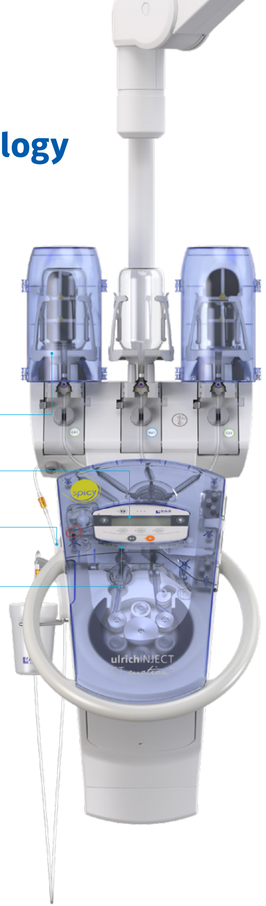
Cost-effective & efficient
- Low cost of disposables
- Optimized contrast media management using large containers
- High patient throughput thanks to efficient workflows

Individual all-round service and support
- Expert staff training and application support on site
- Telephone support and assistance
- Extensive network of highly qualified service engineers
- Fast repair and loan unit service
- Tailored service contracts
- Regular technical safety checks

[1] Source: GLP-compliant study: "Microbiological Contamination Control Study of CT motion System", Report 12046497, dated: February 28, 2018, author: UL International GmbH (Grenzenstr. 13, 88416 Ochsenhausen, Germany); study is unpublished, but available on request with nondisclosure agreement.
[2] Source: GLP-compliant study: "Virological Evaluation of Retrograde Contamination Potential at the Pump Tubing Set (XD 8003) and the Patient Tubing Set (XD 2035) of the CT motion (XD 8000)", Report 10874251 2.1, dated: November 12, 2015, author: UL International GmbH (Grenzenstr. 13, 88416 Ochsenhausen, Germany); study is unpublished, but available on request with nondisclosure agreement.

Innovative technology made in Germany

The CT motion is available as a wireless pedestal version for flexible positioning or as a ceiling version for small examination rooms.



Integrated heat retainer
Optimized patient comfort

Injector display
Simple, safe, and fast operation

Patient-side air detector
Protection against air injection

Pressure sensors
Increased safety for the user

Cordless operation
24 h battery output

Touch terminal
- High-resolution color display
- Wireless connection to injector
- Capacitive touch screen
- Graphic display of injection protocol

Heating cabinet
- Warms viscous contrast media
- Optimized patient comfort

Pioneers of 24 h use
- Pump tubing for 24-hour use with pressure sensor unit as well as air and particle filters
- Patient tubing with two check valves

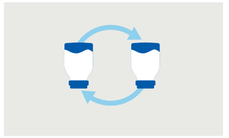
User-friendly, simple, and efficient hardware features

Easy set-up and changeover of disposables
- Set-up: Insert pump tubing. Connect patient tubing. Attach media containers. Done!
- Changeover: Detach patient tubing. Connect new patient tubing. Done!

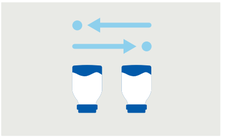
Automatic media label recognition via barcode reading
- Automatic data transfer into manufacturer-independent PACS and/or DMS
- No manual data entry required

Ideal media supply for high patient throughput
- 4L in total (2x 1L contrast media + 2L NaCl)
- Increased patient comfort and reduced contrast media viscosity thanks to integrated heater

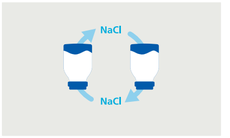
Multi contrast media use



Seamless function for automatic changeover to identical contrast medium
- Double contrast media supply
- Low contrast media wastage and increased patient throughput
- Patient changeover in just a few seconds



Tandem function for switching to contrast medium with same active ingredients
- Change the contrast medium at the push of a button
- No changeover of the 24-hour pump tubing required thanks to the automatic rinsing program



Extended tandem function for switching to contrast medium with different active ingredients
No exchange of 24 h pump tubing necessary thanks to special rinsing program