

ulrichINJECT
CT *motion*™

The new
CT motion SPICY



Learn more about the
features on the inside

ulrich
medical



Simple to use

- Set-up just once daily
- Rapid patient changeover
- Intuitive user interface
- Optimal contrast media management with two connection points



Hygiene & patient safety

- 24 h use of the pump tubing¹
- Direct injection from the original media containers
- Closed system
- Reliable protection against retrograde contamination²
- Injector and patient-side air detectors protect against air injection



Cost-effective and efficient

- Low costs for disposables due to 24 h approval of the pump tubing
- Optimal contrast media management using large containers
- High patient throughput thanks to efficient workflows



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dated: February 28, 2018, author: UL International GmbH (Grenzenstr. 13, 88416 Ochsenhausen, Germany); study is unpublished, but available on request with nondisclosure agreement.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dated: November 12, 2015, author: UL International GmbH (Grenzenstr. 13, 88416 Ochsenhausen, Germany); study is unpublished, but available on request with nondisclosure agreement.

Software features - your workflow has never been easier



Enhanced pressure and flow performance

For examinations with high flow rates and high contrast media viscosities.

CDadapt™

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

Remaining volume indication

Easy-to-understand traffic light indication and clear display of available media volumes plus accurate ml indication.

SYNCopen™

- Interface between CT motion and CT scanner
- Simplified and safe start of the examination via Single Button Start
- Automatic transfer of the injection protocol once scan protocol has been selected
- Patient safety: clear assignment of integrated scan and injection protocols
- Quality assurance through the automatic sending of injection parameters to RIS/PACS or dose management systems



Scan now to learn more about SYNCopen™

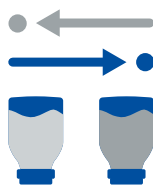
RIS/PACS Interface

- Comprehensive documentation of the contrast media injection
- Quick and standardized documentation using DICOM standard
- Reduced error sources during data collection thanks to the standardized data transfer
- Automatic documentation of the contrast media injection in PACS and/or dose management systems in combination with the patient data from the RIS
- Availability of an injection history for the last 500 injections (on the touch terminal)



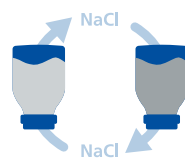
Scan now to learn more about RIS/PACS

Multi contrast media use



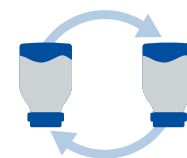
Tandem for changing over contrast media

- With the same active ingredients at the touch of a button
- No changeover of the 24 h pump tubing required thanks to the automatic rinsing program



Extended tandem

- Use of contrast media with different active ingredients
- No changeover of the 24 h pump tubing required thanks to the rinsing program



Seamless

- Double contrast media supply thanks to automatic switchover with identical contrast media
- Low contrast media wastage and increased patient throughput. Patient changeover in just a few seconds*

*Compared to our products with only one contrast media connection point

Innovative technology made in Germany



Two-piece tubing system

- Optimized pump tubing XD 8151 for 24 h use for any number of injections
- Fewer insertion steps simplify set-up procedure
- Further improvement of the particle filter performance increases patient safety
- Patient tubing with two check valves

Injector display

Simple, safe and fast operation

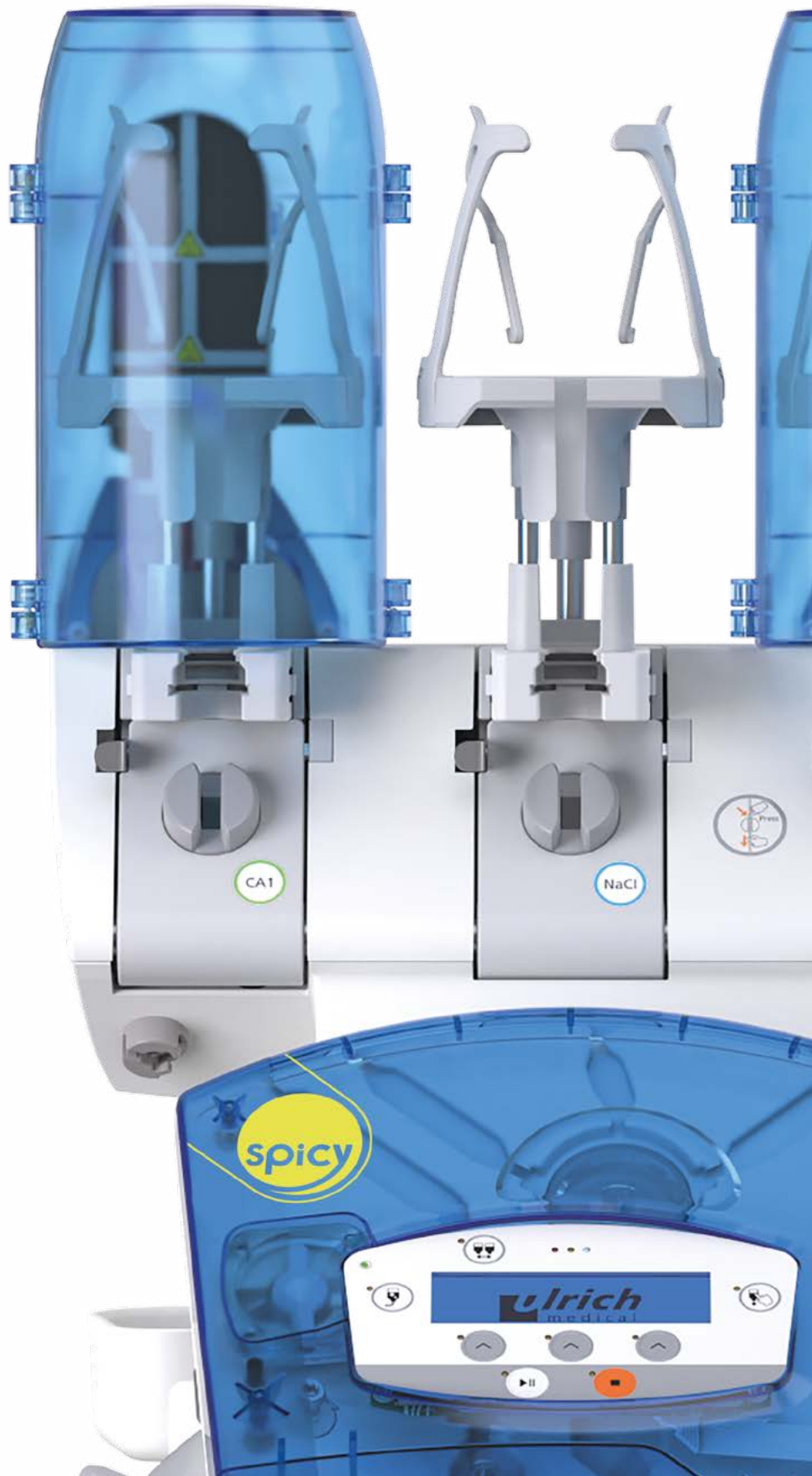
Touch terminal

- High-resolution color display
- Wireless connection to injector
- Capacitive touchscreen

Cordless operation

- 24 h battery output
- Lithium-ion battery

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

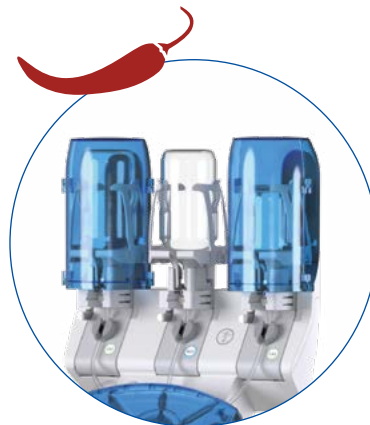


Hardware features – user-friendly, simple, efficient



Automatic media label recognition

- Barcode reading on the touch terminal
- Automatic data transfer to PACS (lot number, expiration date and GTIN)
- Less manual data entry necessary



1L GE contrast media Pluspak compatibility plus heat maintaining

- Ideal media supply for high patient throughput. 4L in total (2x 1L contrast media + 2L NaCl)
- Optimal contrast media viscosity and patient comfort thanks to integrated heat maintaining



Easy set-up and changeover

- **Set-up:** Insert pump tubing. Connect patient tubing. Attach media containers. Done!
- **Changeover:** Detach patient tubing. Connect new patient tubing. Done!

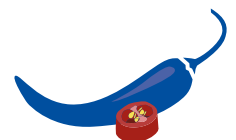


Scan now to learn more about the optimized pump tubing



These are our new SPICY features

Spice up
your workflow



Technical data overview

Dimensions (L x W x H)	Pedestal version: 645 mm x 645 mm x 1,445 mm
Weight	Pedestal version: 79 kg, ceiling version: 30 kg plus support arm
Power supply	Rechargeable battery and mains operation
Voltage supply (battery charging)	100 – 240 VAC / 50/60 Hz
Media delivery	Roller pump
Flow rate (with contrast media)	0.1 to 10.0 ml/s, in 0.1 ml/s increments
Maximum injection volume	400 ml/patient, in 1.0 ml increments
Reservoir capacity	Contrast media 2 x 1,000 ml max. NaCl 1 x 2,000 ml max. (pedestal version) NaCl 1 x 1,000 ml max. (ceiling version) Contrast media heat retainer (> 28°C to 37°C)
Adjustable default pressure limit	2 – 17 bar (29 – 247 psi)
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
Pressure monitoring	2 pressure sensors
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
Number of boli (phases) per injection program	40 max.
Number of storable injection programs	99 max.
Pressure curve	Real-time display of the injection pressure curve
Software functions (standard)	Seamless: Two-way switchover with two identical contrast media Remainder Keep Vein Open (KVO) Manual / time-controlled pause Standard / temporary pressure limit NaCl buffer Heat maintaining
Software options (license)	Same patient Contrast media substitution Tandem 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 1.5 m, 2.5 m or 3.2 m Pump tubing 24 h

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

**Over a Century
of Innovation**

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