

# ulrichINJECT CT *motion*™

CT Contrast Media Injector

24 h



Efficient and  
time-saving

**Ulrich**  
medical



## Advantages at a glance



### Quick and easy

- Set up just once daily
- Rapid patient changeover
- Intuitive user interface



### Cost-effective and efficient

- Low cost for disposables
- Optimized contrast media management
- Efficient workflows



### Hygienic and safe

- Closed system
- Direct injection from original media containers
- Automatic air monitoring on the patient side

## Focused on hygiene & safety

- Pump tubing verified for 24-hour use<sup>1</sup>
- Direct injection from the original media containers
- Reliable protection against retrograde contamination<sup>2</sup>
- Protection against air injection by means of air detector on the patient side
- Closed system

<sup>1</sup> Source: GLP-compliant study: „Microbiological Contamination Control Study of CT motion System“, Report 12046497, dated 2018-02-28, Author: UL International GmbH (Grenzenstr. 13, 88416 Ochsenhausen, Germany); Study is not published, available on request by non-disclosure agreement.

<sup>2</sup> 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 not published, available on request by non-disclosure agreement.

# Innovation made in Germany



Integrated heat retainer for optimized patient comfort

Display unit for simple, safe and quick operation

Patient-side air detector

Pressure sensors

The CT motion is available as a mobile pedestal version, with a 3D ceiling mount or with a wall mount.

Pump tubing for 24-hour use for any number of injections. With air filter, particle filter and integrated check valve.

Patient tubing with patient-side Luer lock connector and two check valves.

## Simple use

- Set up just once daily
- 24-hour use of the pump tubing
- Rapid patient changeover
- Intuitive user interface
- Optimized contrast media management by means of two contrast media connection points
- Cable-free operation

### **Setup made easy**

- Insert pump tubing
- Connect patient tubing
- Attach media containers
- Done!

### **Change of patient tubing in a few seconds**

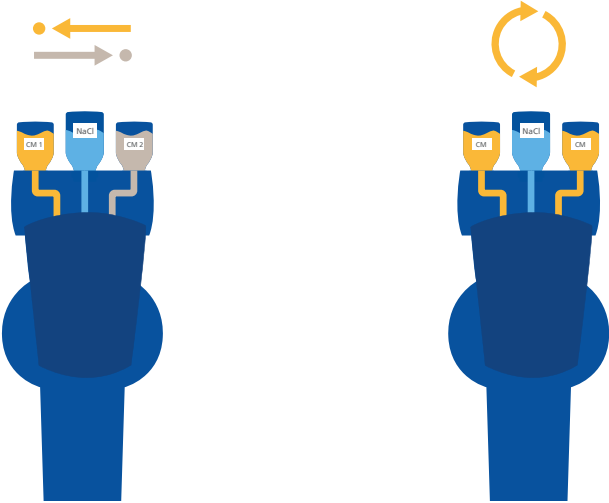
- Remove patient tubing
- Connect new patient tubing
- Done!



## Cost-effective and efficient

- Low cost for disposables
- Optimized contrast media management through the use of large containers
- High patient throughput through efficient workflows

# Flexible CM management and simplified workflows



**Tandem**  
Selection of a second contrast medium

**Seamless**  
Two-way switchover when there are two identical contrast media

# Overview of technical information

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)	Voltage rating 100 – 240 VAC / 50/60 Hz
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, in increments of 1.0 mL
Reservoir volume	Contrast media: max. 2 x 500 mL NaCl: max. 1 x 2,000 mL (pedestal version) NaCl: max. 1 x 1,000 mL (ceiling version) Contrast media heat retainer (> 28°C to 37°C)
Maximum system pressure	17 bar (246.6 psi)
Air monitoring	3 detectors for the media supply tubing, 1 detector for the pump tubing, 1 detector for the patient tubing
Pressure monitoring	2 pressure sensors
User interfaces	Terminal: 12" color TFT touch screen Injector: Graphical display with soft keys
Data import and export	USB interface
Data transfer from injector to terminal	Bluetooth, power class 1
Number of boli (phases) per injection program	Max. 40
Number of injection programs that can be saved	Max. 99
Pressure curve	Real-time display of the injection pressure curve
Software functions (standard)	Seamless: Two-way switchover when there are two identical contrast media Remainer display NaCl backup Manual pause / time-controlled pause Keep Vein Open (KVO)
Software options	Tandem: Selection of a second contrast medium Same patient: Multiple injections per patient Elapsed time: Time since end of injection (0-999 sec.) Stopwatch: Before and after each bolus (0-999 sec.)
Injector accessories	Tray, waste bin, saline rod
Disposables	Patient tubing 1.5 m, 2.5 m or 3.2 m 24-hour pump tubing

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

**Over a Century  
of Innovation**

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or/and  
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