ulrichINJECT
CT motion™

SIMPLY BETTER.

A big success – down to the smallest detail

The new CT motion

ulrich medical® CT CONTRAST AGENT INJECTOR

Safe, faster, more economical

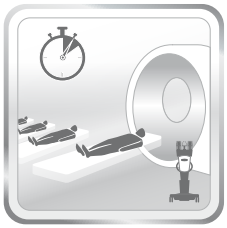
ulrich
medical

In demand worldwide and recommended by radiologists

The new CT motion

- Advanced German technology: For intelligent contrast agent injections – worldwide.
- 5,000 ulrich medical® CT/MRI injectors are already being successfully used – worldwide.
- Faster and more individual service – worldwide.
- Personal and attentive support – worldwide.

Sophisticated all around – with unique advantages.



An efficient process

- A smooth and particularly time-saving examination is the foundation of an optimal workflow in clinics and medical offices. CT motion is your reliable partner.

Economical and environmentally friendly

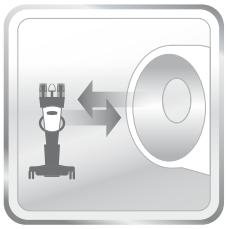
- Less is more. CT motion is easy on your budget: This is ensured in particular by the patented roll pump technology in combination with the two-piece tubing system. The result: Low costs and less waste per patient.

A high level of hygiene

- Meeting the highest hygiene demands. The sophisticated equipment design and operator control concept of the CT motion offers users and patients the highest degree of safety.

Safe and reliable application

- Safe injection protects both the patient and the user. The CT motion guides you reliably and clearly through multiple fully automatic confirmation requests.

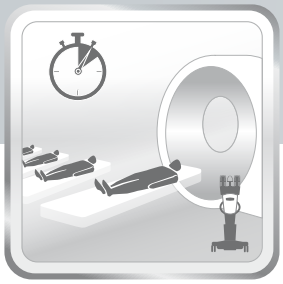


Multi-compatible and individual

- The injector which ideally adjusts to your needs. The CT motion is as flexible as your patients, your team and your technical equipment are different. It has proven to be a multi-compatible injection system and ideally adjusts to your examination requirements.

The ulrich medical® quality promise

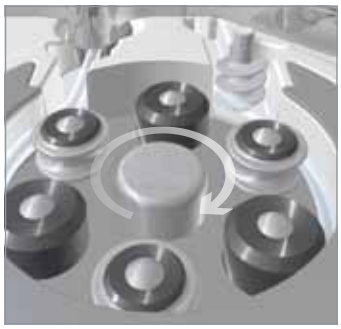
- Tradition and innovation go hand in hand for us. For more than 100 years now, customers throughout the world can rely on the quality and reliability of ulrich medical® products. CT motion stands for the consistent advancement of our quality promise.

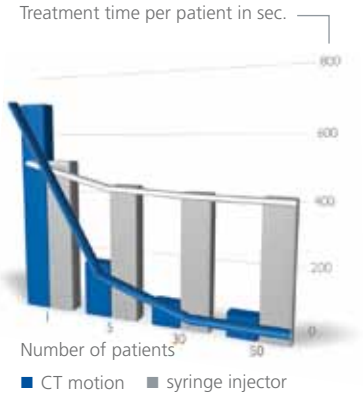


An efficient process

Automatic tube threading

Preparing the injector has never been so easy. The CT motion only needs to be prepared once a day and is ready for use for 24 hours. The pump tubing is fed into the roll pump automatically and simultaneously vented. An innovation which maximizes comfort and safety.





Rapid change

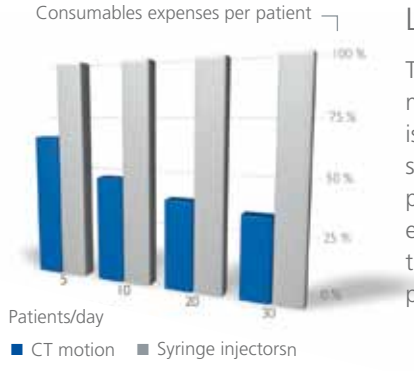
With an increasing number of patients, you save a considerable amount of time between patient changes with the CT motion.

For example: CT motion- 30 patients/day ≈ 3 hours saved as compared to syringe injectors ≈ 14 more patients per day (with 12 min. examination time on average)

Your advantages

- CA express technology: Injections from all commercially available media containers
- Brief, one-time daily set-up
- Quick patient changes due to the brief preparation time from patient to patient – more than 100 injections possible every day
- 24-hour pump tubing for as many injections per day as desired
- Up to 100 injection programs with matching symbols can be quickly saved and accessed
- Ergonomic equipment design

Economical and environmentally friendly



Low costs per patient

The more patients per day, the more economical CT motion is: The injector allows you to significantly reduce costs per patient. The CT motion is also environmentally friendly due to the minimal amount of waste produced.

Your advantages

- Patented roll pump technology
- Contrast agent savings from the optional pre- and post-filling of the tubing system with NaCl
- No leftover contrast agent due to the automatic switch from CA1 to CA2
- "Go-green injector" with the least amount of waste possible – up to 93% less waste than in the case of syringe injectors
- Reduced storage time of consumables

A high level of hygiene

Spike contamination guard

No unintentional contact and contamination of the spike possible

Luer lock holder for pump tubing

Anchoring of the end of the pump tubing in a hygienically safe and protected area

Tray

Is placed near the injector for rapid availability of common consumables such, as cannulas, bottles, swabs

Luer lock holder for patient tubing

Hygienic anchoring of the end of the patient tubing over the drip cup

Disposable cup holder

Controlled collection of contrast agent and NaCl drops when filling the disposable product

CT motion is available as a mobile pedestal version or with a 3D ceiling mount. This can be swiveled in three dimensions, offers two fixed height settings and is installed without cables.

Two-piece tubing system latex-free and non-pyrogenic

The pump tubing is part of the roll pump system and is approved for up to 24 hours of use. The patient tubing is connected to the pump tubing via a luer lock connection and is changed with each patient.

Patient tubing

1 Luer lock
2 Check valve No.2
3 Luer lock with check valve No. 3
Available in lengths of 1.50 m or 2.50 m

Pump tubing

1 3 air filters in the spikes for sterile use without air in the media
2 Pressure sensor unit to monitor the injection pressure
3 Particle filter to filter out foreign particles
4 Luer lock with check valve No. 1

Safe and reliable application

7 sensors for your safety

Media detectors

3 Media detectors detect the supply of media and confirm this by means of colored LEDs. The injector can therefore be operated quickly and safely.

Air detector
(pump tubing)

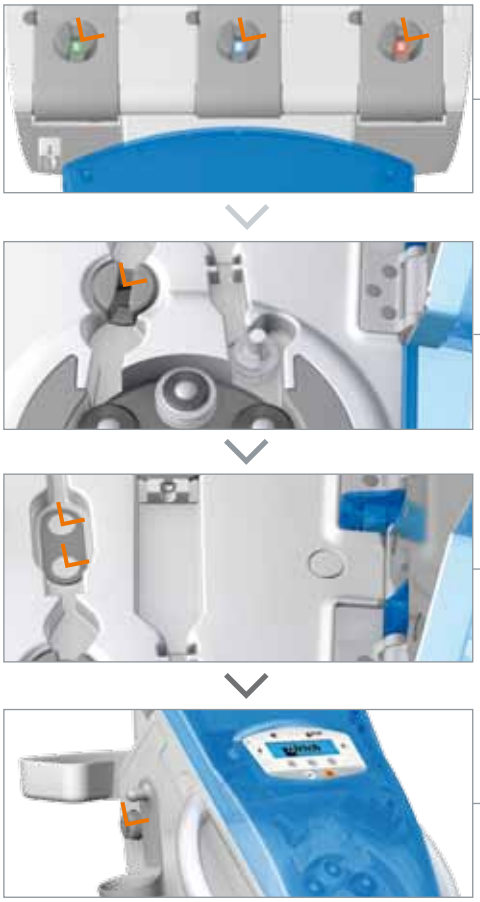
1 System's air detector for the pump tubing immediately detects air bubbles in the tubing system. An intelligent technology that makes safe contrast agent injections even more reliable.

Pressure sensors

2 Pressure sensors monitor the injection pressure and provide a clear overview of the injection process by displaying the actual pressure. They enable "automatic pressure regulation" of the injector and thus ongoing continuation of the injection.

Air detector
(patient tubing)

1 Air detector on the patient side guarantees absolute user safety. It continuously checks the patient tubing switch, detects air bubbles and thus simplifies the workflow.



Multi-compatible and individual

Safe operation

The large, swivel-mounted 12" TFT color monitor with touch technology enables accurate and fatigue-free operation.

Your advantages

- Variable bottle guide for all bottle sizes from 50 ml to 1,000 ml
- Media bag can be adjusted over rod at all connection points
- Cordless operation with high-performance Bluetooth and battery for up to 12 hours
- Tandem function for parallel operation with two different contrast agents
- Standard pressure limit and temporary pressure limit can be freely selected according to the desired cannula size and the individual patient anatomy

The ulrich medical® quality promise

Quality down to the smallest detail

Swivel-mounted bottle guide

The swivel-mounted bottle guide ensures a horizontal and thus a clean bottle change without drips.

Integrated contrast agent heater

The integrated contrast agent heater optimizes patient comfort and reduces the viscosity of the contrast agent (optional)

User interface

The user interface with a display on the injector enables simple, safe and rapid operation.

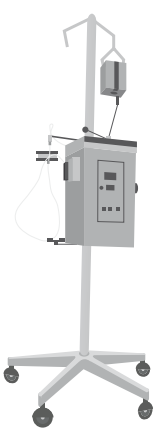
Modern screen

The modern screen enables the injection to be perfomed rapidly and intuitively and it can be comprehensively monitored using the clear real-time display.

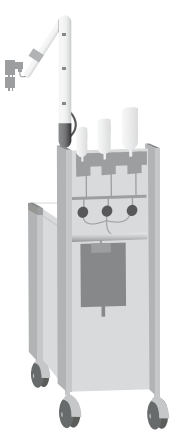
100 years ulrich medical® – quality „Made in Germany“

ulrich medical® is “Made in Germany”. Our customers benefit from our long-term experience with contrast agent injectors.

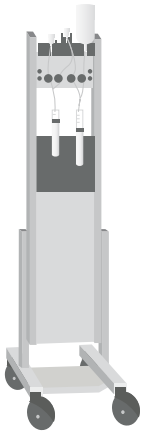
DID YOU KNOW:
The world’s first MRI contrast agent injector was developed by ulrich medical®!



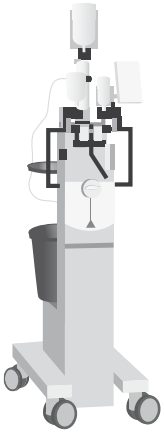
1985
CT injector
XD 5500 (1st model)



1985
CT injector
XD 5500 (2nd model)



1991
The world’s first MRI injector
XD 7000



2000
CT injector missouri
XD 2001

Technical data at a glance

Dimensions (W × D × H)	645 mm x 645 mm x 1,445 mm pedestal version
Weight	79 kg pedestal version, 30 kg ceiling version excl. support arm
Power supply	Battery and external power supply
	Voltage rating 100-240 VAC
	Frequency 50/60 Hz
Operating time on battery operation with contrast agent heater	At least 8 hours
Media transport	Roll pump
Flow rate (with contrast agent)	0.1-10.0 ml/s, in increments of 0.1 ml/s
Maximum injection volume	400 ml/patient, in increments of 1.0 ml
Reservoir volume	CA max. 2 x 500 ml
	NaCl max. 1 x 2,000 ml pedestal version
	NaCl max. 1 × 1,000 ml ceiling version
Maximum system pressure	17 bar (246,6 psi)
Air monitoring	5 ultrasound sensors
Pressure monitoring	2 piezoelectric sensors
User interfaces	Terminal: 12" color TFT with resistive touch screen
	Injector: Graphics display with soft keys
Data import and export	Program data exchanged via USB port
Data transfer injector - terminal	Bluetooth, power class 1, opt. fiber optic cable
Prefilling tubing system	NaCl or CA
Keep Vein Open function	3 ml/min, 1 ml every 20 s
Boluses (phases)	Max. 40
Injection programs that can be saved	Max. 100
Pressure curve	Real-time display of the injection pressure
Software options	CA tandem: Parallel operation with two different contrast agents
	CA substitution: Manual reduction of contrast agent
	Same patient: Multiple injections per patient
	Elapsed time: Time elapsed since end of injection (0-999 sec)
	Stop watch: Before and after each bolus (0-999 sec)
	Start delay (0-999 sec)
Accessories for injector	Contrast agent heater (> 28°C to 37°C / 82.4°F - 98.6°F)
	Tray, Waste bin, Media rod for plastic bottles or bag,
	Connection package FOC

Subject to technical changes, misprints and errors.

CT 4101012 R1/2012-02

Simply scan the QR code and
experience the CT motion
interactively and in practical use.

www.ulrichmedical.com/ctmotion.html

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