

# ulrichINJECT CT *motion*™

CT contrast media injector  
from ulrich medical®



Over a century of innovation



## Efficient process

### Do you wish time-saving and efficient examinations?

A seamless and especially time-saving examination is the basis of an optimal workflow in hospitals and medical practices.

The application of contrast media has never been so easy: The CT motion only needs to be prepared once a day and is then ready for use for 24 hours.

Due to the two-part tubing system, only the patient tubing needs to be changed for each patient – the pump tubing can remain in place in the injector for 24 hours for as many injections as desired. Thus with the CT motion, a patient changeover takes only a few seconds.

The three media connection points enable a second contrast medium to be selected (Tandem). The alternating switching function when two identical contrast media are loaded (Seamless) additionally facilitates workflows.

#### ■ Your advantages

- Set up only once per day
- Pump tubing can be used for 24 hours
- Very fast patient changeovers
- Intuitive operator control concept
- Optimal CM management through two contrast media connection points and use of bulk containers
- Wireless operation



#### Setup made easy:

- ▶ Insert pump hose
- ▶ Connect patient tubing
- ▶ Attach media container
- ▶ Done!

#### Patient changeovers in only a few seconds:

- ▶ Detach patient tubing
- ▶ Connect new patient tubing
- ▶ Done!

# Innovation made in Germany

## Integrated heater

- Optimized patient comfort

## Control display

- Simple, safe and fast operation

## Patient-side air detector

## Tandem

Selection of a second contrast medium

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

## Pressure sensors

## Pump tubing

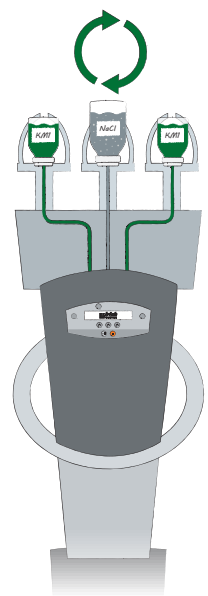
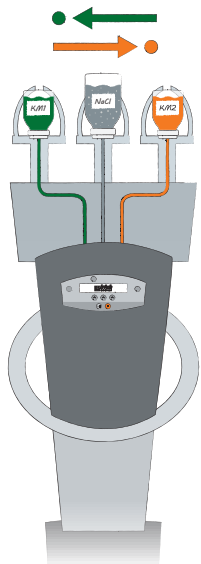
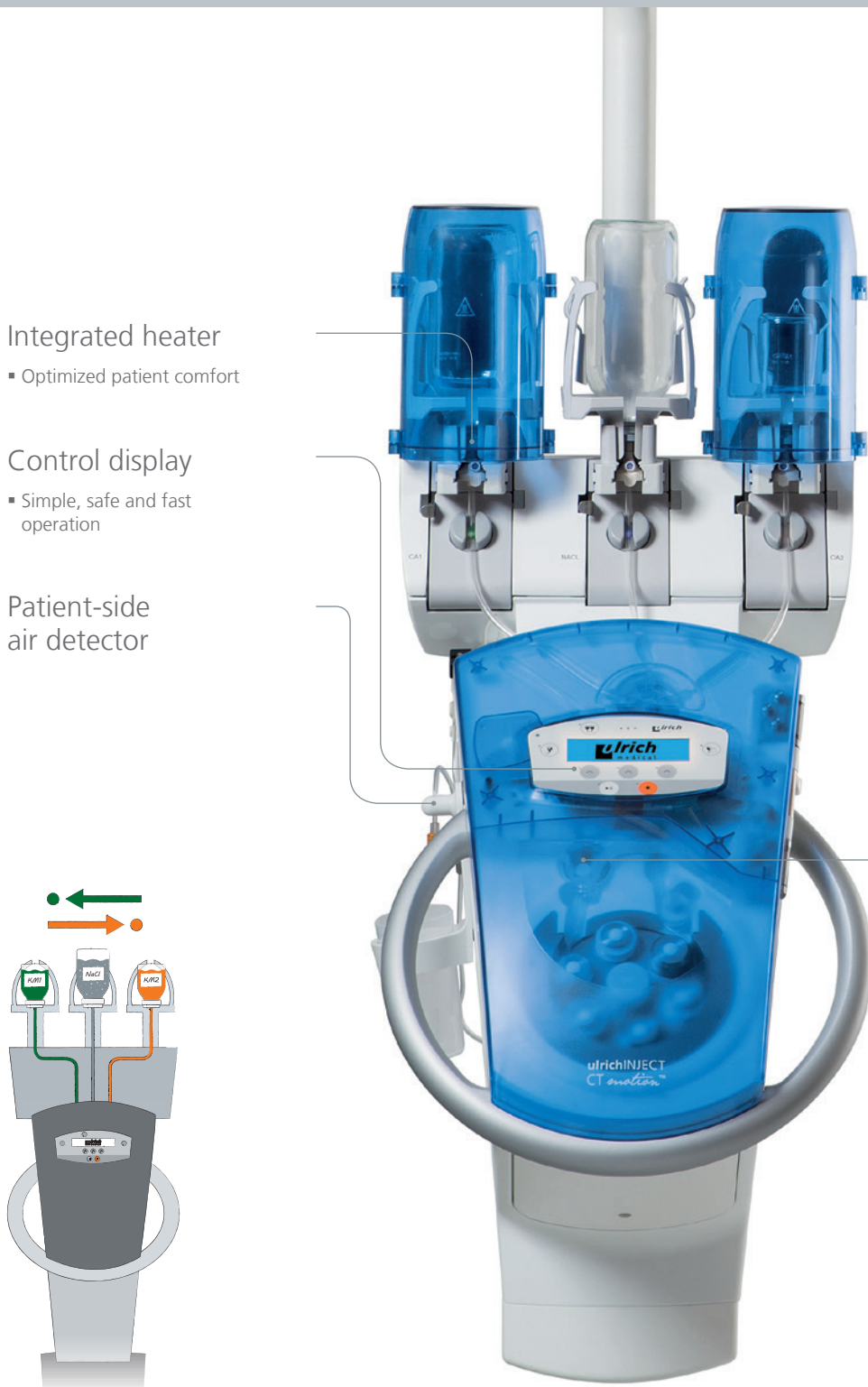
- 3 bacteria filters in the spikes
- With a particle filter and integrated check valve

## Patient tubing

- Patient-side Luer lock connector with two check valves

## Seamless

Alternate switching to full contrast media containers



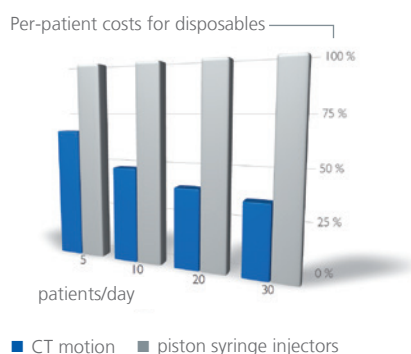
# Cost-effectiveness and hygiene are the central focus

## Would you like to save costs?

CT motion is easy on your budget: the more patients per day, the more economical the injector is. The patented roll pump technology in combination with the two-part tubing system will provide you with significant savings on costs of disposables.

The injection is performed directly from the original media containers which makes the use of bulk containers and the resultant cost savings possible.

If two identical contrast media are loaded onto both connection points, the device automatically switches to the second contrast medium bottle as soon as the first bottle is empty. Optimal contrast medium management is thus guaranteed.



### ■ Your advantages

- Low costs for disposables
- Optimal contrast medium management through the use of bulk containers
- High patient throughput through efficient workflows

#### **Pump tubing can be used for 24 hours**

- ▶ Only the patient tubing needs to be changed for each patient
- ▶ Save money!

## Do you want maximum hygiene and safety?

The CT motion performs injections directly from the original containers which accordingly only need to be tapped once. This creates a closed system between the pump tubing and the media containers which ensures the highest level of hygiene.

Through use of the pump tubing for 24 hours, you are always on the safe side with us.

The safety of the patient and the user are our highest priority. The unique patient-side air monitoring reliably guards against critical air injections.



### ■ Your advantages

- Pump tubing can be used for 24 hours
- Direct injection from the original media containers
- Protection from air injections through patient-side air detector

#### **Injection from the original media containers**

- ▶ Closed system
- ▶ Maximum hygienic safety!

# Your advantages at a glance



## Simple & stress-free

- Set up only once per day
- Very fast patient changeovers
- Intuitive operator control concept
  - ▶ **Very easy to use**



## Economical & efficient

- Low costs for disposables
- Optimal contrast medium management
- Efficient workflows
  - ▶ **High patient throughput**



## Hygienic & safe

- Closed system
- Direct injection from the original media containers
- Automatic patient-side air monitoring
  - ▶ **Safe for patient and user**

## Accessories & options

### SYNCopen™ – Contrast media injector interface with CT scanner

With the aid of the ulrich medical® SYNCopen interface, data are exchanged between the injector and the CT scanner. It is based on the international standard CANopen. Along with the synchronous start/stop of the devices, injection parameters are transmitted from the injector to the CT and then on to an RIS/PACS or a dose management software.



### Heating cabinet for contrast media heating

- Small and lightweight
- Heating of viscous contrast media for higher flow rate
- Ready for immediate use thanks to easy handling
- Optimized patient comfort through temperature-controlled contrast media



## Technical data at a glance

Dimensions (W × D × H)	645 mm × 645 mm × 1445 mm pedestal version
Weight	79 kg pedestal version, 30 kg ceiling version plus support arm
Power supply	Battery and external power supply
Power supply	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 medium max. 2 x 500 mL
	NaCl max. 1 x 2000 mL pedestal version
	NaCl max 1 x 1000 mL ceiling version
Maximum system pressure	17 bar (246.6 psi)
Air monitoring	5 ultrasound sensors
Pressure monitoring	2 pressure sensors
User interfaces	Terminal: 12" color TFT with resistive touch screen
	Injector: Graphics display with soft keys
Data import and export	USB interface
Data transfer injector - terminal	Bluetooth, power class 1, optional fiber-optic cable
Number of boluses (phases) per injection program	Max. 40
Number of injection programs that can be saved	Max. 100
Pressure curve	Real-time display of the injection pressure
Software functions (standard)	Seamless: Alternate switching in the case two identical contrast media
	Keep Vein Open (KVO)
	Remainder display
	NaCl backup
	Manual pause, time-controlled pause
Software options	Tandem: Selection of a second contrast medium
	Same patient: Multiple injections per patient
	Elapsed time: Time elapsed since end of injection (0-999 sec.)
	Stopwatch: before and after each bolus (0-999 sec.)
Accessories for injector	Heating for contrast media (28°C to 37°C), tray,
	waste container, media rod
Disposables	Patient tubing 1.5 m, 2.5 m or 3.2 m
	24-Hour pump tubing

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

