

Intelligent functions for a perceptibly improved workflow

Fast operation
Patient-side injection start directly on the injector.

Space-saving
Compact device base ensures sufficient space in the examination room.

Reproducibility
Using a contrast media injector provides a reproducible and continuous flow of contrast media.

Improved image quality
CM bolus is administered accurately, which then increases the quality of the imaging.

Flexibility
Cordless device concept for free and flexible positioning of the injector in the examination room.

Patient safety thanks to Keep Vein Open
- Quick and easy access to the KVO protocol
- The KVO protocol can be selected via the program list (fixed protocol) on the touch terminal
- KVO can be selected directly via the main menu on the injector display
- "Pause time" can be set from 15 to 75 s; injection: 0.3 ml with a flow of 0.3 ml/s per set pause time

Contrast-enhanced mammography
The Max 3 is also approved for contrast-enhanced mammography.

Technical data

Product number	XD 10160
Dimensions (L×W×H)	530 mm × 530 mm × 1.372 mm
Weight	Approx. 40 kg
Power supply	Battery
Voltage supply (battery charging)	Voltage rating 100–240 VAC / 50/60 Hz
MRI compatibility	Up to 3.0 teslas
Media transport	Roll pump
Flow rate	Can be set from 0.1 to 10.0 ml/s in increments of 0.1 ml/s
Maximum injection volume	400 ml/patient 1 to 10.0 ml, in increments of 0.1 ml > 10 to 100 ml, in increments of 0.5 ml > 100 to 400 ml, in increments of 1 ml
Reservoir capacity	Contrast media: max. 2 × 200 ml (MRI), max. 2 × 250 ml (contrast-enhanced mammography) NaCl: max. 1 × 1,000 ml or max. 1 × 2,000 ml with a bag and optional media rod
Adjustable pressure limit	2 to 14 bar (29 to 203.1 psi) in increments of 0.1 bar (14.5 psi)
Air monitoring	3 detectors for the media supply tubing, 1 detector for the Easy-Click-Cassette and patient tubing
Pressure monitoring	1 pressure sensor
User interfaces	Terminal: 12" color TFT touch screen Injector: 4" color TFT touch screen
Data import and export	USB interface
Data transfer from injector to terminal	WLAN (802.11 b/g/n)
Quantity of boli (phases) per injection program	Max. 40
Quantity of injection programs that can be saved	Max. 200
Pressure curve	Real-time display of the injection pressure curve
Software functions (standard)	CM-Loop Display of remaining quantity NaCl backup Manual / time-controlled pause Timer Elapsed time Keep Vein Open (KVO) Start delay Pressure limit
Software options (license)	CM-Select Vein-check Same patient: Multiple injections per patient
Injector accessories	Convenience package: Media rod, waste bin, and tray
Disposables	Patient tubing 12 h, 2.5 m or 3.2 m Easy-Click-Cassette 24 h, with holder s or holder l Adapter ring for small bottles

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

ulrich GmbH & Co. KG
Buchbrunnenweg 12
89081 Ulm, Germany
T +49 731 9654-0
injectors@ulrichmedical.com
www.ulrichmedical.com

ulrich medical France SAS
10, Allée Aristide Maillol
31770 Colomiers, France
T +33 5 61 86 09 92
info@ulrichmedical.fr
www.ulrichmedical.fr

ulrich medical España S.L.U.
Calle Arboleda 14, Núm. ARO38
28031 Madrid, Spain
T +34 910 194870
info@ulrichmedical.es
www.ulrichmedical.es

CT 8101011 RIT/2026-05 Subject to technical changes, misprints, and errors.

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

Max 3™

Contrast media injector for MRI and contrastenhanced mammography



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
- Easy-Click-Cassette approved for 24-hour use [1]
- SafeConnect with touch protection
- Unique, automatic, 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
- Ideal for high patient throughput

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 the ulricheasyINJECT Max 3 System", Report 12046467, 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. The results of the non-clinical investigation mentioned are applicable to the ulricheasyINJECT systems Max 3 and Max 2M as the physical barrier with respect to possible retrograde contamination is implemented in all of the systems by means of structurally identical two check valves.

Innovative Technology made in Germany

Media connection points
Three media connection points for standard media containers

Patient-side air detector
Protection against air injection

Pressure sensor
Increased safety for the user

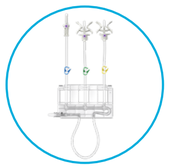
Injector display
- Intuitive and simple user interface
- Color touch display directly on injector

Cordless operation
Up to 24 h battery output

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



Pioneers of 24 h use
- Easy-Click-Cassette for 24 h use, with air and particle filters as well as connectors with touch protection (SafeConnect)
- Patient tubing with two check valves

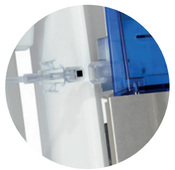




User-friendly, simple, and efficient hardware features



Set-up made easy
- Insert Easy-Click-Cassette
- Connect patient tubing with one hand
- Attach media containers
- Done!

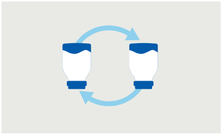


Patient tubing changeover in seconds
- Detach patient tubing
- Connect new patient tubing
- Done!

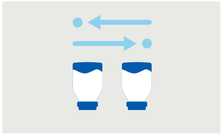


Powerful touch terminal for convenient working
- Wireless connection to injector
- Fast and uninterrupted connection via WLAN

Multi contrast media use



CM-Loop
- Double contrast media supply thanks to automatic switchover with identical contrast media
- Low contrast media wastage
- Efficiency thanks to high patient throughput and patient change-overs in a short space of time



CM-Select
- Switch between two different contrast media at the touch of a button
- No exchange of the 24 h Easy-Click-Cassette necessary thanks to automatic rinsing programm



Your benefits:
- Simple use of contrast media from different brands
- Free choice of contrast medium brand
- Flexible choice of container sizes
- No exchange of approved 24 h Easy-Click-Cassette necessary
- Environmentally friendly