

OptiStar® Elite

The next level
precision injection

With this evolution of **OptiStar® Elite**, our MRI injection system enables more precise protocols and is configured for the next generation GBCA from Guerbet*



OptiStar® Elite

Designed to work the way you work



OptiStar® Elite is a dual head contrast delivery system with an ultrasonic motor that makes it non magnetic and built for long lasting performance.

OptiStar® Elite was designed to address the needs of healthcare professionals for precision, efficiency, and ease of use in the magnetic resonance (MR) room.

OptiStar® Elite is further powered by Guerbet's solutions, providing healthcare professionals with the reliability they expect.



PRECISION

EFFICIENCY

EASE-OF-USE

GUERBET'S SOLUTIONS

OptiStar® Elite



The right dose to the right patient at the right time



VOLUME PRECISION

down to 0.1mL



- Pediatric examinations
- Injections of lower doses of gadolinium, since already configured for the next generation GBCA from Guerbet.*



TIMING BOLUS®



- More precise timing of the injection, ensuring the contrast agent is delivered to the area of interest at the right time.



PRECISION

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OptiStar® Elite



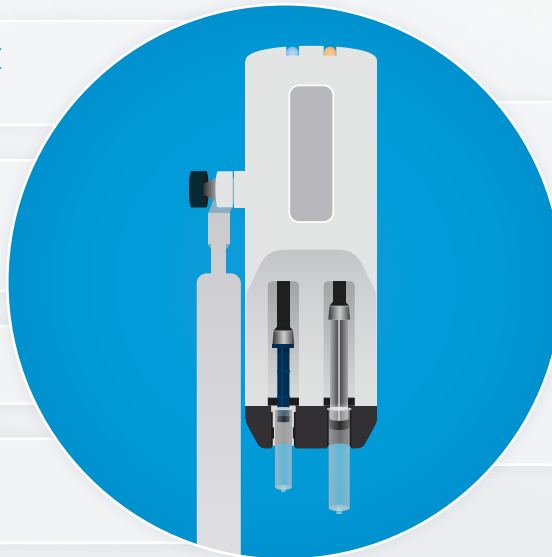
Complete range of features to enhance performance

+ PREFILLED SYRINGE
COMPATIBILITY

+ DESIGNED AND
CERTIFIED
CONSUMABLES

+ BATTERY-FREE

+ AUTOMATED
INJECTIONS



MULTIPLE PHASES
PROTOCOLS +

PATENCY CHECK® +

VARIABLE DRIP
MODE +

PRECISION

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GUERBET'S SOLUTIONS



Prefilled syringe compatibility

- Optimizes workflow¹ thanks to time-efficient assembly of injection systems.²
- Minimizes the risk of patient contamination¹ thanks to reduced handling and manipulation.²
- Prevents microbiologic infections thereby helping to protect immunocompromised patients.²

Designed and certified consumables

- Our consumables are designed or selected, tested and certified³ by Guerbet to meet the highest Guerbet quality standards and to follow the Medical Devices standards and regulations.
- We leverage years of scientific research and innovation in diagnostic imaging to deliver Guerbet-designed consumables with evidence of excellence reported through traceability, certifications, and studies.⁴

Complete range of features to enhance performance

+ PREFILLED SYRINGE
COMPATIBILITY

+ DESIGNED AND
CERTIFIED
CONSUMABLE

+ BATTERY-FREE

+ AUTOMATED
INJECTIONS

+ MULTIPLE PHASES
PROTOCOLS

+ AIR LOCK
CHECK®

+ VARIABLE DRIP
MODE

Battery-free

- Eliminates the time & cost associated with battery changing and replacement.

Automated injections

- Ensures the right volume is injected at the right flow rate for a reliable and accurate contrast delivery every time.⁵

Complete range of features to enhance performance

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COMPATIBILITY

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CERTIFIED
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+ BATTERY-FREE

+ AUTOMATED
INJECTIONS

+ MULTIPLE PHASES
PROTOCOLS

+ AIR LOCK
CHECK®

+ VARIABLE DRIP
MODE

Multiple phases protocols

- Ready for the most complex protocols, such as cardiac MRI perfusion.

+ PREFILLED SYRINGE
COMPATIBILITY

+ DESIGNED AND
CERTIFIED
CONSUMABLES

+ BATTERY-FREE

+ AUTOMATED
INJECTIONS

+ MULTIPLE PHASES
PROTOCOLS

+ PATENCY CHECK®

+ VARIABLE DRIP
MODE

Patency check®

- To assess the patient's vein prior to the injection, thereby minimizing the risk of extravasation.⁶

OptiStar® Elite

Complete range of features to enhance performance



+ PREFILLED SYRINGE
COMPATIBILITY

+ DESIGNED AND
CERTIFIED
CONSUMABLE

+ BATTERY-FR

+ AUTOMATED
INJECTIONS

+ MULTIPLE PHASES
PROTOCOLS

+ AIR CHECK®

+ VARIABLE DRIP
MODE

Variable drip mode

- Maintains access to the patient's vein.

PRECISION

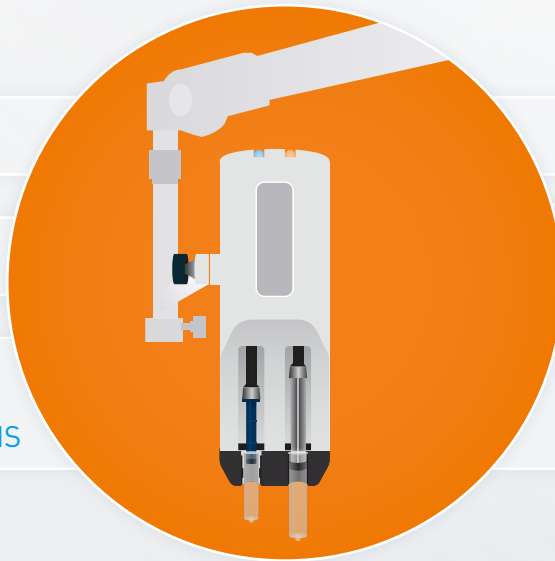
EFFICIENCY

EASE-OF-USE

GUERBET'S SOLUTIONS

OptiStar® Elite

Designed to simplify your work



+ OPTIC FIBER

+ CEILING-MOUNTED

+ ONE CLICK
SYRINGE LOADING,
AUTO-RETRACT RAMS

POWERHEAD KEYS +

FULL REMOTE
CONTROL +

AUTOMATIC
PRESSURE
CONTROL +

PRECISION

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✕

Optic fiber

- Simple installation, making it fast and cost-efficient.



Ceiling-mounted

- Specially designed to operate safely up to 3 Tesla (High Strength Aircraft Grade Aluminum Alloy).
- Enhances safety with the removal of cabling from the floor.



One click syringe loading, auto-retract rams

- Quick and simple syringe handling for a faster workflow.

+ OPTIC FIBER

+ CEILING-MO

+ ONE CLICK
SYRINGE LO
AUTO-RETRACT RAMS

HEAD KEYS +

ULL REMOTE
CONTROL +

AUTOMATIC
PRESSURE
CONTROL +



Powerhead keys



- Control at your fingertips with full access from the MRI room while at the patient side.



Full remote control

- Enhances control and minimizes delays through access from the control room to all commands, including injector arming.



Automatic pressure control



- Automatically sets the right syringe-specific pressure, so that you can focus on what matters most, the patient.

OptiStar® Elite

Powered by Guerbet's solutions



OptiStar® Elite is part of UNIK, Guerbet's tailored interconnected solutions for diagnostic imaging

OptiStar® Elite

All **GBCAs***
from **Guerbet**



Contrast&Care®

OptiProtect™ 3S

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Contrast&Care®

Guerbet's digital solution for collecting, archiving, analyzing, and sharing patient injection data and injector activity.

ANALYTICS



Monitor & analyze injection performance data to optimize contrast media usage**

STREAMLINED WORKFLOW



Share comprehensive injection report for patient health records

Guerbet - Contrast&Care® Injection Management Solution



OptiProtect™ 3S



Guerbet's original suite of technical Services and Support brought to you by our readily accessible, factory trained, and certified experts that are committed to making continuity in your daily operations their priority.

Designed to protect the lifetime of your injection solutions, OptiProtect™ 3S can be tailored to address your challenges so that you can focus on enhancing patient care.

SUPPORT

Preventive Maintenance Agreement

- ✓ **Planned Annual Maintenance:** meet standard maintenance requirements
- ✓ **Controlled Costs:** labour and travel for Preventive Maintenance included
- ✓ **Risk Management:** 10% discount off the listed price of genuine spare parts, guaranteed 90 days when installed by a Guerbet Certified Engineer.

SECURE

Comprehensive Continuity Agreement

- ✓ Rely on the expert coverage level of the OptiProtect Shield full protection agreement
- ✓ Maintain your daily operations while we maintain your equipment
- ✓ **Optimized Uptime***: complete protection of your investment with a Guerbet Factory Certified Loaner unit**.

SHIELD

Full Protection Agreement

- ✓ **Planned Annual Maintenance:** meet standard maintenance requirements
- ✓ **Expert Support:** direct access to Guerbet's network of factory trained Engineers for both remote and on-site assistance, support, and guidance
- ✓ **Full Coverage:** unlimited on-site visits, including parts, labour, and travel.

SELECT

Flexible Options For Tailored Support

Visit our webpage to learn more about your local teams commitment.

OptiProtect™ 3S 

* During time of repair. ** Subject to local availability. Terms and conditions may vary.

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Information

References

1. Vogl TJ et al. Acta Radiol. 2012: 17
2. Buerke, B; AJR; 2010 vol 194 n2 p. 299303
3. Certified by Guerbet as compatible on Guerbet injectors - data on file
4. Internal Data: Vermeulen C, Noury B & Al. Microbial Safety Assessment of a Double Check-Valve Patient Line in a Multi-use Contrast Delivery System Radiol. Technol. 2015 Nov-Dec;87(2):139-49
5. Endrikat J, et al. Invest Radiol. 2018 Jan; 53(1): 1-5
6. Roditi G, et al. European Radiology (2022) 32:3056-3066

Additional information

* Data on file; D12582 A; D12766 Rev A; D11839 Rev A.

Next generation GBCA from Guerbet being under evaluation by European Health Authorities (EMA) and for use only in countries with applicable health authority registrations. FDA approved.

GBCA = Gadolinium-Based Contrast Agents

** From an operational standpoint by providing data on the number of injections performed and the total injected volume that can help the users to make informed decisions related to their injector usage and contrast media ordering. From a clinical standpoint: Data on adverse events can help the users to identify patterns associated with the occurrence of adverse events (for instance high flow rate and extravasations) and make informed decision related to their injection practices.

OptiStar® Elite

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OptiStar® Elite Contrast Delivery System is a medical device intended for use by qualified healthcare professionals.

It is intended to inject MR contrast media and flushing solutions into a patient's vascular system to obtain diagnostic images when used in conjunction with Magnetic Resonance (MR) Imaging equipment.

Class IIb/CE TÜV SÜD 0123 Manufacturer: Liebel-Flarsheim Company LLC EC Rep: Guerbet

Contrast&Care® is a medical device intended for use by healthcare professionals only. It allows imaging centers to collect, archive, view and share patients' injection data, including data concerning contrast products, adverse events, injector activity, data on the estimated eGFR and other pre-exam alerts, such as previously reported allergies. Contrast&Care® also provides options to review protocols, create protocol libraries, and visualize analytics data and trends relating to injection activity and contrast product usage.

Class I/CE Manufacturer: Medex.

Contrast&Care®+ is a medical device for use by healthcare professionals only. It enables imaging centers to collect, archive, review, and share patient injection data. This data can include contrast media details, associated disposables, adverse events, injector activity, history of previous contrast media administration, eGFR information, and other pre-exam alerts, such as previously reported allergies. It also provides features to review protocols, create protocol libraries, send injection protocols to compatible injectors, visualize analytics and trends related to injection activity and contrast media usage.

Class I/CE Manufacturer: MEDEX

For use only in countries with applicable health authority registrations.

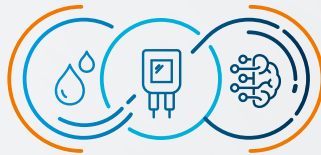
For complete information about precautions and optimal usage conditions, we recommend consulting the instruction for use supplied with these devices or by your local Guerbet representative(s).

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UNIK

Tailored interconnected solutions
driving your journey to excellence

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