

# OptiStar® Elite

MR CONTRAST DELIVERY SYSTEM



A simple and efficient MRI injector  
with reliable performances



**Contrast&Care**  
INJECTION MANAGEMENT SOLUTION



# OptiStar® Elite

MR CONTRAST DELIVERY SYSTEM



The OptiStar® Elite is a dual-head contrast delivery system, meeting the needs of healthcare professionals in the MRI room.

Pressure Limit:  
200PSI

Up to 3 Tesla  
Compatibility

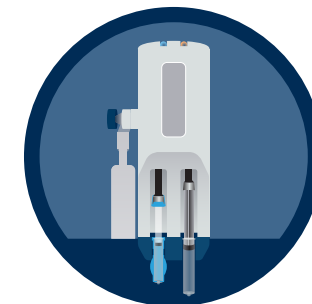
Inject Delay:  
0 to 300seconds

**SIMPLE, EFFICIENT, RELIABLE...**  
the OptiStar® Elite will allow you to perform MRI exams in an optimized way with specifically designed features.

Thanks to its ultrasonic motor, the OptiStar® Elite is nonmagnetic and is compatible with up to 3 Tesla scanners.

# OptiStar® Elite

MR CONTRAST DELIVERY SYSTEM



## EFFICIENT & RELIABLE

PFS compatible

Fully Prepare syringes  
outside the MRI room

Battery-free: eliminate  
associated time & cost



## SIMPLE TO USE

Auto retract rams  
for quick turnaround

Powerhead keys:  
Control at your fingertips  
& full access from inside  
the MRI room



## THE 3 CONFIGURATIONS:

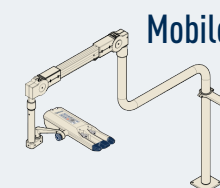
For your preferences and needs:



Pedestal



Ceiling mount



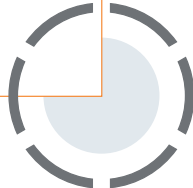
Mobile

Designed to be simple and easy to use, the console allows you to manage the injection with a total remote control

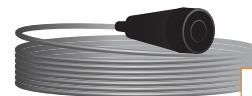
START & STOP  
AN INJECTION  
REMOTELY



UP TO 6  
PHASES  
IN PROTOCOL

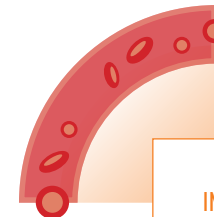
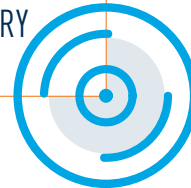


PRESSURE  
CONTROL



Handswitch for maximum flexibility

CAN STORE  
UP TO 40  
PROTOCOLS  
IN MEMORY



## INJECTION FEATURES:

**Patency Check®:**  
test the patient's vein  
prior the injection

**Timing Bolus®:**  
test to determine  
the optimal scan delay

**Drip mode:**  
maintaining  
the venous access



Colour touchscreen, uncluttered display



Console Enable  
(minimize delays & maximize control)



Clear indicators & status line



Guerbet | 

Our digital solution to collect, archive, analyse and share patient injection data and injector activity



#### TRACEABILITY

Facilitate traceability and save administration time



#### INFORMED DECISIONS

A complete view on all relevant patient information including injection history



#### ANALYTICS

Improve your injection practices and optimize contrast media utilization

For more information ask your Guerbet Representative

# OptiProtect™

GUERBET SERVICE + SUPPORT

The 360° Technical support you can rely on



#### THE 3 SERVICE PACKAGES:

P

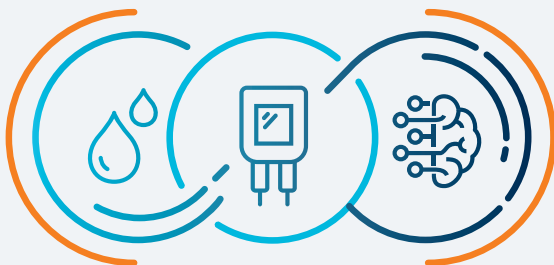
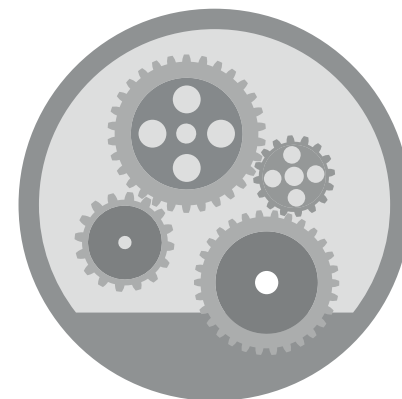
PLATINUM

G

GOLD

S

SILVER



**UNIK**

Tailored interconnected solutions driving your journey to excellence

UNIK is a flexible solution, tailored to your specific needs and challenges, designed to add value at each step of the patient healthcare journey, interconnecting our comprehensive portfolio of products, solutions and services in diagnostic imaging.

## SYRINGE KIT

### MULTIPAK-OPTISTAR

Dual MRI 60ml Syringe with single check valve Y-tubing and filling spikes

Single Use

Pressure limit:  
300 PSI

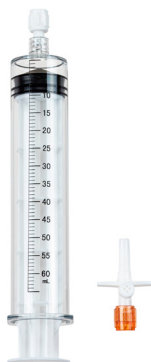


## SINGLE SYRINGE KIT

Single MRI 60ml Syringe with filling spike

Single Use

Pressure limit:  
300 PSI



## TUBINGS

### Single check valve

Y-tubing 150cm

Pressure Limit:  
200 PSI



Y-tubing 230cm

Pressure Limit:  
350 PSI



## CONTRAST MEDIA ADAPTERS

10,15,20 ml

DotaClip

For Contrast Agent  
Glass Syringe



StarClip

For Contrast Agent  
Plastic Syringe



# OptiStar® Elite | Medical Device

MR CONTRAST DELIVERY SYSTEM

# OptiStar® Elite

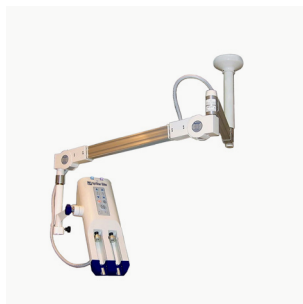
MR CONTRAST DELIVERY SYSTEM



## OptiStar® Elite INJECTOR PEDESTAL

Injector in pedestal version

| Reference        | QTY/Box |
|------------------|---------|
| M5200 214727     | 1       |
| M5600** 234842** |         |



## OptiStar® Elite CEILING-MOUNT

Injector in ceiling mount options:  
- long column  
- ceiling track mount

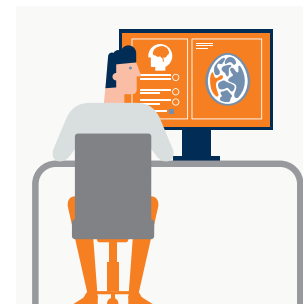
| Reference        | QTY/Box |
|------------------|---------|
| M5400 230943     | 1       |
| M5700** 234844** |         |



## OptiStar® Elite MOBILE-MOUNT

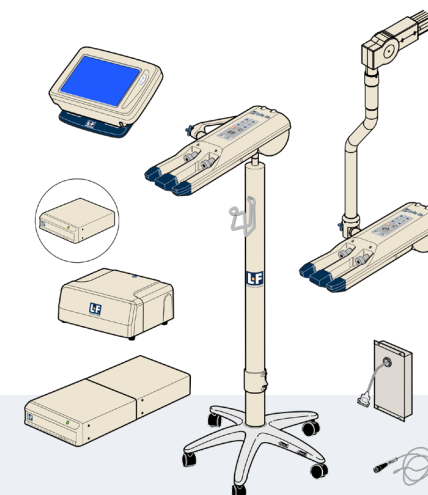
Injector in floor mount for mobile / ambulatory unit\*

| Reference        | QTY/Box |
|------------------|---------|
| M5300 225877     | 1       |
| M5800** 234866** |         |



Injection Management Solution

Ask your Guerbet Representative



## ADAPTER STARCLIP

Adapters for prefilled syringes  
10/15/20mL\*

| Reference      | QTY/Box |
|----------------|---------|
| 814735S 236900 | 1       |



## ADAPTER DOTACLIP

Adapters for prefilled syringes  
10/15/20mL\*

| Reference      | QTY/Box |
|----------------|---------|
| 802930S 230945 | 1       |



## MULTIPAK-OPTISTAR

2 syringe + Y-tubing 1 valve  
+ 2 spikes

| Reference      | QTY/Box |
|----------------|---------|
| 801800B 234158 | 50      |



## SYRINGE

1 syringe + 1 spike

| Reference      | QTY/Box |
|----------------|---------|
| 801801B 234159 | 50      |



## Y-TUBING

Single check valve Y-tubing 230cm

| Reference      | QTY/Box |
|----------------|---------|
| 801107B 234157 | 100     |



## Y-TUBING

Single check valve Y-tubing 150cm

| Reference     | QTY/Box |
|---------------|---------|
| 801106 223374 | 100     |

## TECHNICAL SPECIFICATIONS

### Flow Rate

#### A Side

- ▶ 60 mL syringes: 0.1–10.0 mL/sec
- ▶ 10, 15, 20, 30 mL syringes: 0.1–8.0 mL/sec

#### B Side

- ▶ 60 mL single-use disposable syringes: 0.1–8.0 mL/sec
- ▶ 125 mL prefilled saline syringes\*: 0.1–8.0 mL/sec

### Volume

#### A Side

- ▶ 10, 15, 20 mL syringes: 1 mL to 20 mL
- ▶ 60 mL syringes: 1 mL to installed syringe size

#### B Side

- ▶ 60 mL syringes: 1 mL to installed syringe size
- ▶ 125 mL prefilled saline syringes\*: 1 mL to installed syringe size\*

### Number of Phases

- ▶ 6 including Timing Bolus® feature

### Phase Delay

- ▶ 0–600 seconds + pause

### Number of protocols

- ▶ 40

### Inject History

- ▶ Last 48 completed injections

### Pressure Limit

- ▶ 60 mL empty syringes: 150 psi
- ▶ 10, 15, 20 mL prefilled syringes: 200 psi\*
- ▶ 125 mL prefilled saline syringes: 150 psi\*

### Syringe Sizes

- ▶ 60 mL empty syringes
- ▶ 10, 15, 20 mL prefilled syringes\*
- ▶ 125 mL prefilled saline syringes\*

### Scan Delay

- ▶ 0–60 seconds

### Inject Delay

- ▶ 0–300 seconds

### MR Compatibility

- ▶ Up to 1.5 & 3 Tesla

\*Presentations may differ from country to country. For complete information please refer to the local Summary of Product Characteristics

\*\*Injector version with new power supply

# OptiStar® Elite

MR CONTRAST DELIVERY SYSTEM

**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. For complete information about precautions and optimal usage conditions, we recommend consulting the instruction for use supplied with the device or by your local Guerbet representative(s). For use only in countries with applicable health authority registrations.

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

**OptiStar® Elite** Injector consumables are medical devices intended for use by qualified healthcare professionals and designed to be used in the LF contrast injection systems. They contain the contrast and provide the delivery path for the contrast to the patient. The injection systems are designed to inject contrast media into a patient's vascular system to obtain diagnostic images when used with computed tomography (CT), MR, Angiographic or x-ray equipment. For complete information about precautions and optimal usage conditions, we recommend consulting the instruction for use supplied with the device or by your local Guerbet representative(s). For use only in countries with applicable health authority registrations.

Class IIa/CE

Manufacturer: Liebel-Flarsheim Company LLC. EC Rep: Guerbet. - TÜV SÜD 0123

Manufacturer: Shenzhen Boon Medical Supply Co., Ltd. EC Rep: Wellkang Ltd. - TÜV RHEINLAND 0197

**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. For complete information about precautions and optimal usage conditions, we recommend consulting the instruction for use supplied with the device or by your local Guerbet representative(s). For use only in countries with applicable health authority registrations.

Class I/CE.

Manufacturer: MEDEX

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**OptiStar® Elite, Contrast&Care®, Patency Check®, Timing Bolus® & OptiProtect™** are trademarks of Guerbet.

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