

An Evolution in Design



Optistar Elite injector system

Programmable Flow Rate

A Side
60ml syringe: 0.1 - 10.0ml/sec
10ml, 15ml, 20ml, and 30ml syringe: 0.1 - 8.0ml/sec

B Side
50ml and 125ml syringe: 0.1 - 8.0ml/sec
60ml single-use, disposable syringe: 0.1 - 8.0ml/sec

Pressure Limit

60 ml empty syringes: 150 psi
10, 15, 20, 30ml pre-filled syringes: 200 psi

Syringe Sizes

60 ml empty syringes
10, 15, 20, 30ml Optimark™ contrast medium in pre-filled syringes

Programmable Volume

A Side
10ml, 15ml, and 20ml syringe: 1ml to 20ml
30ml and 60ml syringe: 1ml to installed syringe size

B Side
60ml syringe: 1ml to installed syringe size

Scan Delay

0 - 60 sec

Inject Delay

0 - 300 sec

Phases

6 including Timing Bolus™ feature

Phase Delay

0 - 600 sec + pause

Number of Programmes

40

Inject History

48

Product ordering information

Product Code	Description
Optistar Elite injector system	
M5200	Optistar Elite pedestal
Disposable Syringes	
801800	Multipak (two 60ml syringes & 90" Y tubing) Qty. 50
801801	60ml Syringe Qty. 50
Tubing	
801106	60" Coiled Y Tubing Qty. 100
801107	90" Coiled Y Tubing Qty. 100

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Optistar™ Elite™ MR Contrast Delivery System
An Evolution in Design for Improved Clinical Efficiency and Confidence

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Patient Care and Comfort

Confirm patent fluid pathway to aid in prevention of extravasation

Patency Check™

- The patency check feature allows the operator to inject saline at the maximum protocol flow rate to confirm a patent fluid pathway to the patient prior to contrast injection.
- A visual alert on the powerhead and on the control console provides a warning message when the programmed pressure limit engages due to a blockage during patency check.

Status line

- A status line banner displayed along the upper edge of the control console indicates each step of the set-up process. For example, a reminder message appears in the status line after loading the syringes to alert the operator to check for air in syringes and tubing before proceeding to the next step.

Variable drip mode

- Switch between injection and drip mode at any time, to help ensure IV line patency throughout the procedure.
- Adjustable flowrate, volume and interval.
- Displays remaining time and volume available for drip mode.

Clinical Efficiency

Designed for enhancing examination outcomes and confidence

Enable from console

- The injector can be enabled from either the control room at the remote console, or from the powerhead, which may help minimise delays.

Multiple phase programming

- As many as four phases can be programmed for each injection protocol.
- As many as 40 injection protocols can be stored in memory.

Timing Bolus™

- This feature allows the operator to inject a specified amount of contrast medium during a test scan to determine optimum transit time of the imaging agent to the region of interest thus helping to maximise the diagnostic information.

3T compatible/non-ferrous dual powerhead

- The powerhead, power control unit, and remote stand are designed for use in the MR suite allowing set-up and control of the injection at the patient's side for a significant advantage in patient care.
- The console, remote start switch, and power supply are not designed for placement in the MR environment, and must be kept outside the magnet room.

Dual syringe powerhead

- Flexibility that provides either single or dual syringe injections used in the most advanced MRI protocols.

Work Flow Efficiency

Designed for saving time and reducing waste

Compatible with Optimark™ contrast medium in pre-filled syringes that can help you to...

- eliminate contrast medium syringe preparation and labelling
- ease inventory management
- reduce amount of disposed waste

Auto retract

- The auto retract sequence allows the operator to quickly remove both syringes from the powerhead without waiting for both rams to fully retract.

Colour LCD touchscreen

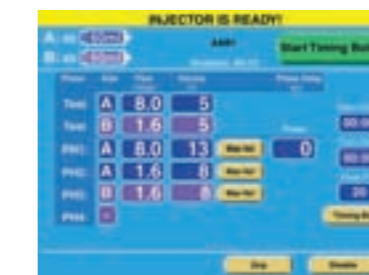
- The control console has touchscreen technology designed for easy operation.
- Simple, intuitive, graphic screen designs reduce training time for staff.

Battery free operating system

- Eliminates time and cost associated with battery charging and replacement.

Load empty syringes without using the powerhead

- When using glass bottles, operator can fill syringes outside the MR suite to avoid spilling contrast near the scanner.



For more information on Optimark contrast medium please consult the local Covidien affiliate or its representative.