



Support Caregivers and Patients can rely on



# Introducing the iQ Medical Dynamic II System range

A comprehensive portfolio of advanced mattress systems specifically designed to encompass all patient and user needs in the prevention and treatment of pressure ulcers.

The Dynamic II Range is designed for implementation in hospitals, private homes, and professional healthcare settings, catering to nurses, caregivers, therapists, allied healthcare professionals, and even patients in home environments. The advanced systems are indicated to disperse and

redistribute pressure under supine or seated patients to assist in the prevention of pressure ulcers and to prevent the further deterioration of existing pressure ulcers. The Dynamic II product range provides therapeutic support for a wide range of patient's clinical requirements and

environments. Suitable for patients of high risk of acquiring pressure ulcers which are usually those forced to lie or sit for prolonged periods through injury, illness, or disability and those having other risk factors such as elderly individuals or those in poor physical condition.

## Key benefits

User	Patient	Cost	Evidence
Easy to use systems, no weight setting	Comfortable	Customers report exceptional recycling rates	Wealth of supporting evidence
Easy to Reposition	Quiet – enabling a good night's sleep	Modular design to reduce downtime	Two independent 100 patient studies
User Guides & QR Codes for quick access to user videos	Reduction in pressure ulcer incidence	No servicing required for first 2 years	Diverse range of clinical studies
Eliminates user error - increases confidence	Improves pre-existing pressure damage	3-year warranty	
Easy to clean	Ease of access in and out of bed	Mattress and pumps can be purchased separately	

# Advanced Dynamic Mattress Systems

The advanced Dynamic System range are designed to deliver improved patient outcomes in the prevention and management of pressure ulcers up to very high risk. Designed to provide a range of therapies that allow for greater flexibility in the care of patients, including those with complex needs.



## Star II<sup>®</sup> DYNAMIC

Can accommodate patients with a weight limit up to 200kg assessed to be very high risk of developing pressure ulcers and to prevent the further deterioration of existing pressure ulcers.

Widely used in the acute sector but is also suitable in community environments.

### Key Features

- Advanced IPM Technology
- Silent Pump Operation
- Designed for Infection Control
- Dual Therapy Modes
- Enhanced Patient Comfort
- Simple Setup
- Modular System
- Foam Underlay
- Easy carry straps



## Comet II<sup>®</sup> DYNAMIC

Can accommodate patients with a weight limit up to 200kg assessed to be very high risk of developing pressure ulcers and to prevent the further deterioration of existing pressure ulcers.

Suitable in both acute and community environments.

### Key Features

- Advanced IPM Technology
- Silent Pump Operation
- Choice of Pumps
- Designed for Infection Control
- Dual Therapy Modes
- Enhanced Patient Comfort
- Simple Setup
- Modular System



### Comprehensive 3 year warranty

We want to make sure you purchase with peace of mind. We use high quality components in all our product systems. That's why all our products feature a comprehensive 3 year warranty as standard. As our pumps have no servicable parts, no servicing is required for the first two years. We recommend a Portable Appliance Test (PAT), and a full operational test conducted every 2 years.



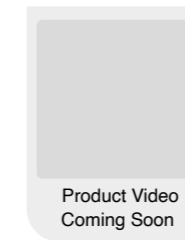
## Star II Plus<sup>®</sup> DYNAMIC

Can accommodate patients with a weight limit up to 350kg assessed to be very high risk of developing pressure ulcers and to prevent the further deterioration of existing pressure ulcers.

Suitable in both acute and community environments.

### Key Features

- Designed for Plus-size patients
- Advanced IPM Technology
- Silent Pump Operation
- Designed for Infection Control
- Dual Therapy Modes
- Enhanced Patient Comfort
- Simple Setup
- Modular System
- Permanently Inflated Subcell



## Spectra<sup>®</sup> DYNAMIC

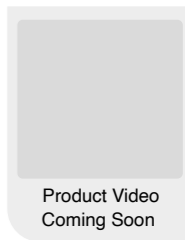
**NEW  
ADDITION**  
DYNAMIC RANGE

Can accommodate patients with a weight limit up to 247kg assessed to be very high risk of developing pressure ulcers and to prevent the further deterioration of existing pressure ulcers.

Suitable in both acute and community environments.

### Key Features

- Advanced IPM Technology
- Silent Pump Operation
- Designed for Infection Control
- Dual Therapy Modes
- Enhanced Patient Comfort
- Simple Setup
- Modular System
- Permanently Inflated Subcell



## Key Product Features

### Advanced IPM Technology

Intelligent Pressure Management (IPM) Technology monitors, detects and automatically responds to changes in patient weight, position and posture minimising high peak pressures under vulnerable areas of the patient's skin. IPM technology saves power during cycling times - reducing stock and maintenance costs.

### Silent Pump Operation

'Whisper Quiet' pump operation to minimise patient disturbance.

### Designed for infection control and easy maintenance

Antimicrobial, waterproof, multi-stretch cover and base sheet are easy to clean, feature welded seams and handles, cable management conduits and 360° zip for easy removal of top cover (See Technical Specification)

### Dual therapy modes to suit clinical needs

The system combines two therapy modes to suit both patient and clinical preference: Alternating Therapy and Continuous Low Pressure therapy. Both therapies provide pressure redistribution promoting immersion and envelopment of the patient into the surface and optimise patient comfort.

### Enhanced Patient Comfort

An additional three comfort settings allow for further adjustments to reach higher levels of comfort.

### Simple Setup

The system is designed for ease of use with easy setup, minimising potential user error and time required for training.

### Modular System

Both the mattress and the pump are modular in design, so components can be easily replaced at low cost with minimum downtime. This helps increase the product lifespan and reduces environmental impact.

### Designed for Plus-size patients

Ensuring a plus-size patient has the right support surface is key to offering the best possible care. The Star II Plus System is designed to offer optimal support.

### Clinical Evidence

We have a range of completed studies that demonstrate System performance and effectiveness, including two independent, 100 patient studies with detailed positive user feedback on product usability and reliability resulting in improved patient outcomes (See [www.iqmedical.co.uk](http://www.iqmedical.co.uk))

**Some product features vary depending on System refer to full technical specification for pump and mattress on page 6 and 7.**

# System Components

## Star II and Comet II

The Star II and Comet II Systems offer similar pressure redistribution performance with subtle differences in their system construction.

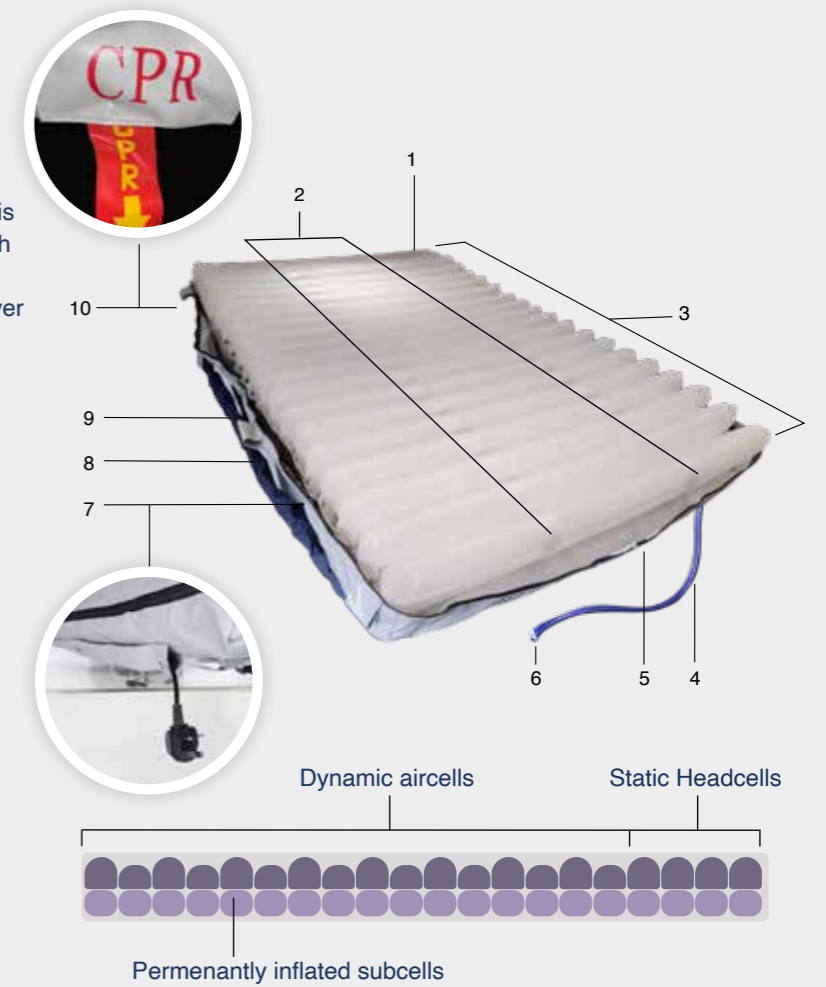
1. Securing straps (three on each side)
2. CPR rapid deflation valve
3. Cells (19):  
Head Cells (3) Static to provide support and comfort under the patients head  
Dynamic Cells (16) Alternating to maintain pressure redistribution using IPM technology
4. Cell retaining strap
5. Base cover with:  
Encased foam underlay (Star II only)  
Two transportation straps (Star II only)
6. Cable management conduit (both sides)
7. Tube set with springing (to prevent occlusion)
8. CPC connectors



## Star II Plus

The Star II Plus System offer similar pressure redistribution performance. The System is designed to offer optimal support for the plus size patient and is constructed with a permanently inflated subcell which provides protection against bottoming out as, in the event of power cut or a damaged cell, the bottom layer of cells remain inflated.

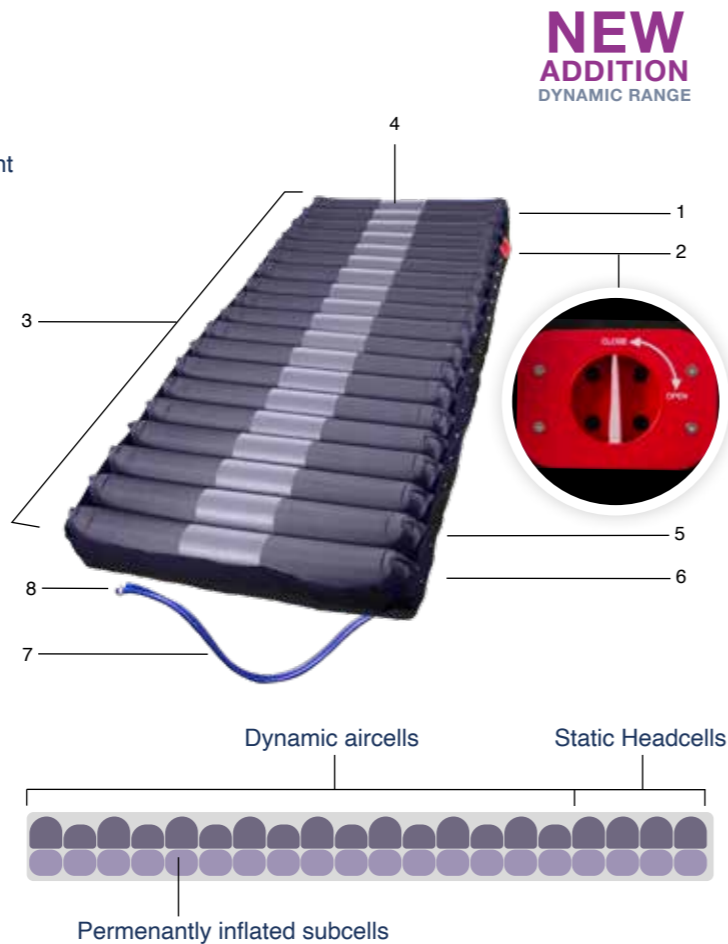
1. Securing straps (three on each side)
2. Two cell retaining straps
3. Cells (20):  
Head Cells (4) Static to provide support and comfort under the patients head  
Dynamic Cells (16) Alternating to maintain pressure redistribution using IPM technology
4. Tube set and cover
5. Two 180° zips starting from the centre at the foot end
6. CPC connectors
7. Cable management conduit (both sides)
8. Base cover
9. Cell press studs
10. CPR rapid deflation valve (left)



## Spectra

The Spectra System is a new addition to the range. Constructed with a permanently inflated subcell which provides protection against bottoming out as, in the event of power cut or a damaged cell, the bottom layer of cells remain inflated.

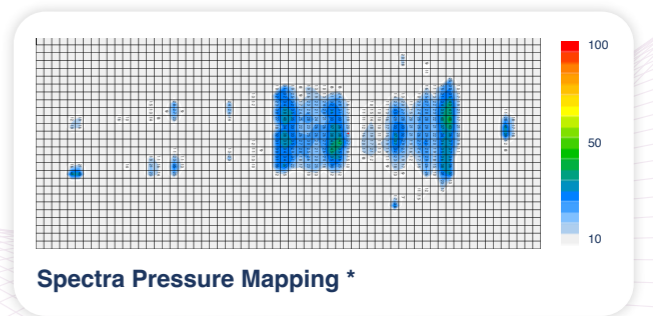
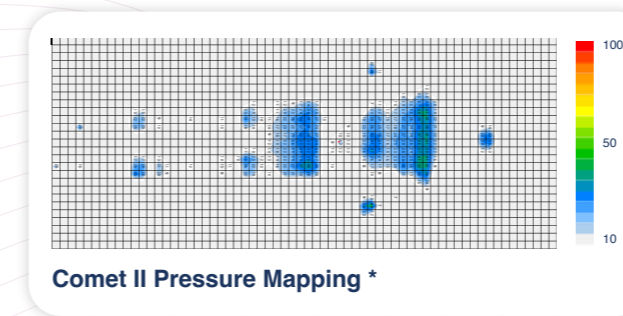
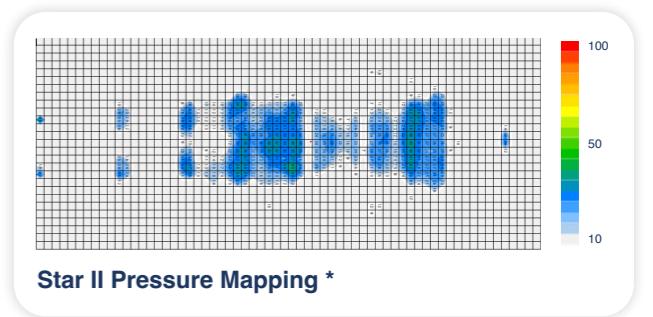
1. Securing straps (three on each side)
2. CPR rapid deflation valve
3. Cells (20):  
Head Cells (4) Static to provide support and comfort under the patients head  
Dynamic Cells (16) Alternating to maintain pressure redistribution using IPM technology
4. Cell retaining strap
5. Base cover with permanently inflated subcell
6. Cable management conduit (both sides)
7. Tube set with springing (to prevent occlusion)
8. CPC connectors



## Pressure Mapping

We employ the BodiTrak Pro pressure mapping system to generate objective data which allows us to assess and document the pressure management of our Advanced Mattress Systems.

We performed rigorous pressure mapping tests that evidenced highly effective pressure redistribution over prolonged periods of time for all systems.



\* Patient in supine position

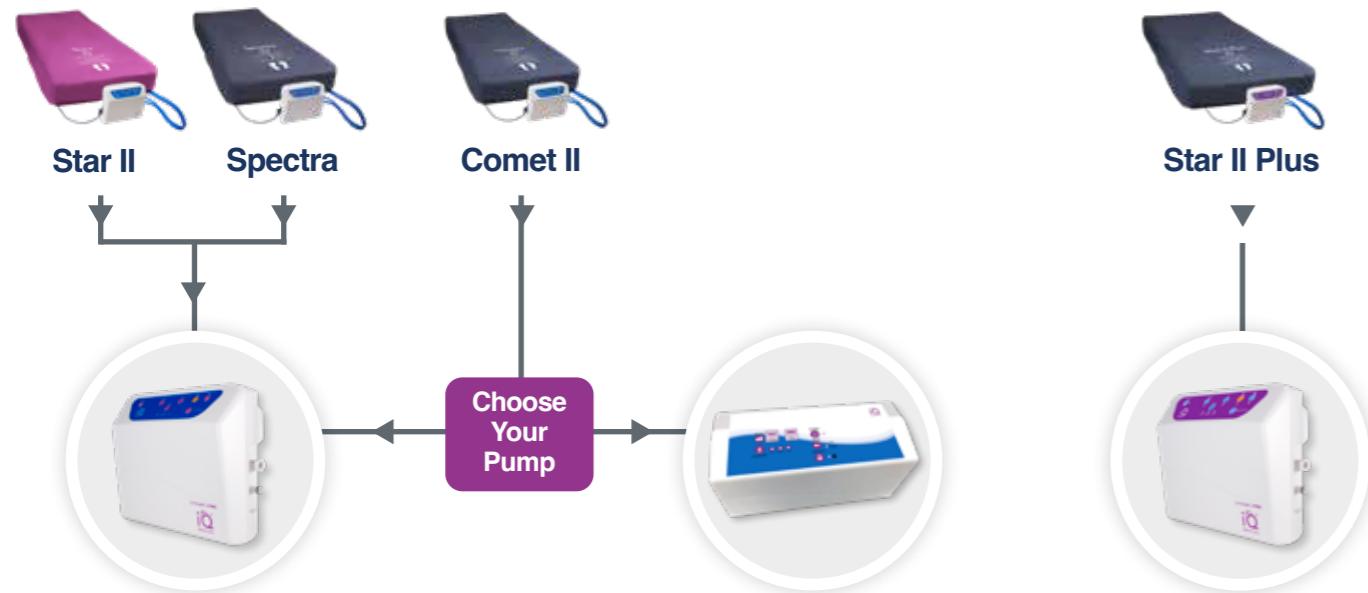
# Dynamic Pump Specifications

All pumps are fully automatic and have Intelligent Pressure Management (IPM) Technology that monitors, detects and automatically responds to changes in patient weight, position and posture minimising high peak pressures under vulnerable areas of the patient's skin.

IPM technology saves power during cycling times - reducing stock and maintenance costs.

The Dynamic II pump is virtually silent and without vibration, helping to provide the sleep and rest that is so vital to patients.

The Comet II System comes with a choice of pump based on user and cost requirements.



## Dynamic II Pump

- Fully Automatic
- Simple to Use
- 1 in 2 (10 min inflation cycle time)
- Patient Comfort Settings
- Virtually Silent
- Full set of audible and visual alarms
- Easy Troubleshooting
- Auto Lock Out
- Light Weight
- Max Inflate
- Rapid Inflation





## Dynamic Lite Pump

- Smaller and compact
- Fully Automatic
- Simple to Use
- 1 in 2 (10 min inflation cycle time)
- Patient Comfort Settings
- Virtually Silent
- Full set of audible and visual alarms
- Easy Troubleshooting
- Auto Lock Out

## Star II Plus Pump

- Same specification as Dynamic II Pump but with different pressure settings to accommodate the plus size patient.

# Mattress Specifications

	 <b>Star II</b>	 <b>Spectra</b> <small>NEW ADDITION</small>	 <b>Comet II</b>	 <b>Star II Plus</b>
Max Patient Weight	200kg	247kg	200kg	350kg
Min Patient Weight	None	None	None	None
No. of 8-inch Cells	19	20	19	19
Foam Underlay	✓	x	x	x
Static Inflated Sub Cell	x	✓	x	✓
Easy Roll Transportation Straps	✓	x	x	x
Easy-Wipe Base Sheet & Straps	✓	✓	x	✓
Securing Straps	✓	✓	✓	✓
Cable Management *	✓	✓	✓	✓
Up to 12 hours Transport Mode	✓	✓	✓	✓
Easy Release CPR	✓	✓	✓	✓
Welded Seams	✓	✓	✓	✓
Multi-stretch Cover	✓	✓	✓	✓
Waterproof Cover	✓	✓	✓	✓
Antimicrobial Top Cover	✓	✓	✓	✓
Springing in Air Tubes to Prevent Occlusion	✓	✓	✓	✓
Width	88cm	90cm	88cm	120cm
Length	198cm	200cm	198cm	200cm
Depth	21cm	20cm	21cm	21cm

\* Cable Management runs along both sides of mattress

# Advanced Seating System

The Cursa II Dynamic Cushion can be used alongside the Dynamic mattress systems, providing 24-hour care. Its low-profile design and anti-slip base mat help provide greater stability for the patient.

The long securing straps enables it to fit to most chairs. The Cursa II purposely comes with its own pump to ensure adequate posterior pressures are achieved.



## Cursa II<sup>®</sup> CUSHION

Can accommodate patients with a weight limit up to 200kg assessed to be very high risk of developing pressure ulcers and to prevent the further deterioration of existing pressure ulcers.

Suitable in both acute and community environments.

### Key Features

- Advanced IPM Technology
- Silent Pump Operation
- Designed for Infection Control
- Dual Therapy Modes
- Enhanced Patient Comfort
- Simple Setup
- Modular System



Max Patient Weight	200kg
Min Patient Weight	None
No. of 8-inch Cells	10
Non-Slip Base	✓
Easy-Wipe Base Sheet & Straps	✓
Long Securing Straps	✓
Up to 12 hours Transport Mode	✓
Welded Seams	✓
Multi-stretch Cover	✓
Waterproof Cover	✓
Antimicrobial Top Cover	✓
Lightweight	✓
Width	45cm
Length	45cm
Depth	60cm



### Cursa II Cushion Pump

- Lightweight
- Fully automatic
- Simple to use
- 1 in 2 (10 min inflation cycle time)
- Patient comfort settings
- Virtually silent
- Full set of audible and visual alarms
- Troubleshooting on power unit
- Auto lock out

## Why Choose iQ Medical?

- > Reliable
- > Enviably first-class service
- > Comprehensive 3-year warranty
- > Trusts who choose iQ enjoy significant cost savings in product, spares, maintenance and delivery costs
- > High customer retention rate
- > In-house decontamination unit

