Wellell

Crossover Nio

One mattress. Smooth and effortless transitions



Crossover Nio is a Powered Hybrid Mattress designed to deliver care across every stage of recovery. Combining the comfort of foam with dynamic pressure relief, the system effortlessly transitions between non-powered reactive and powered active/reactive modes, enabling boosting or easing care with no gaps as patient needs rapidly evolve.

Clinical Challenges in Mattresses Transition

Traditional reactive/ active mattress replacement can take as long as 7 hours and requires up to 3 caregivers, creating delays and staffing burdens that reduce care efficiency.

For mobile patients at risk of sudden deterioration, delayed mattress replacement increases pressure injury risks and prolongs hospitalization.

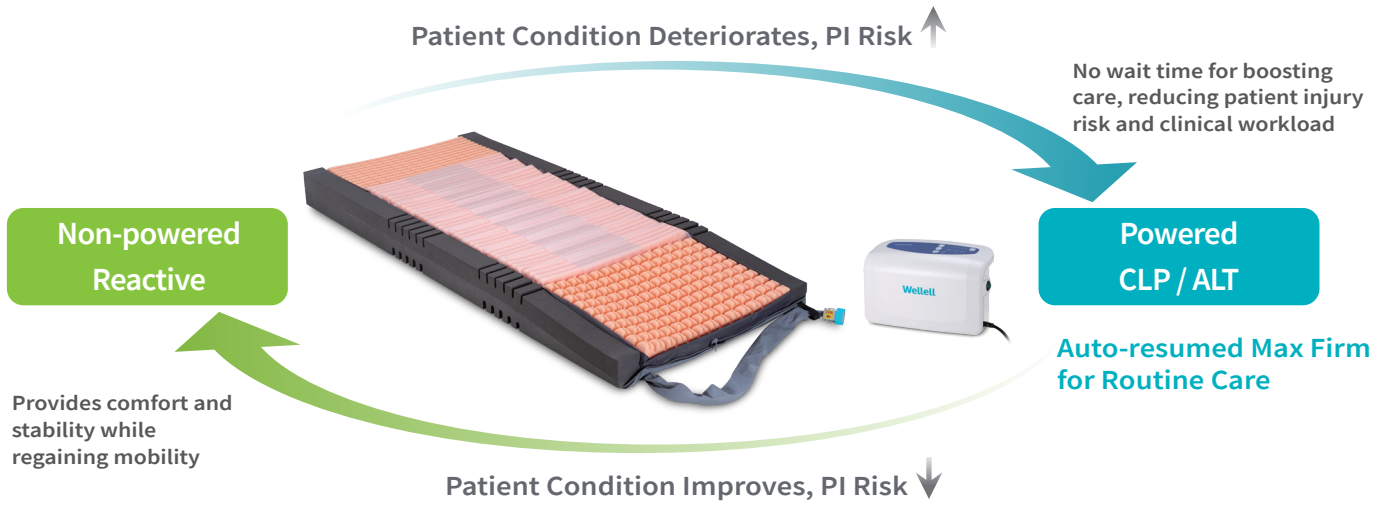
Values and Solutions

Seamless Transition with Boost / Ease Care
Supports dual therapy without transfers or mattress replacements as patient conditions change, ensuring continuous care, reducing staff burden, and improving clinical workflow efficiency

Built to Deliver Continuous & Effective Care
Deliver effective care through advanced Alternating and Continuous Low Pressure modes. Auto-resumed Max Firm ensures 24-hour continuous therapeutic integrity.

One Mattress, Support Entire Care Journey

Crossover Nio delivers continuous 24-hour effective pressure relief to prevent pressure injuries.



Effective Pressure Redistribution

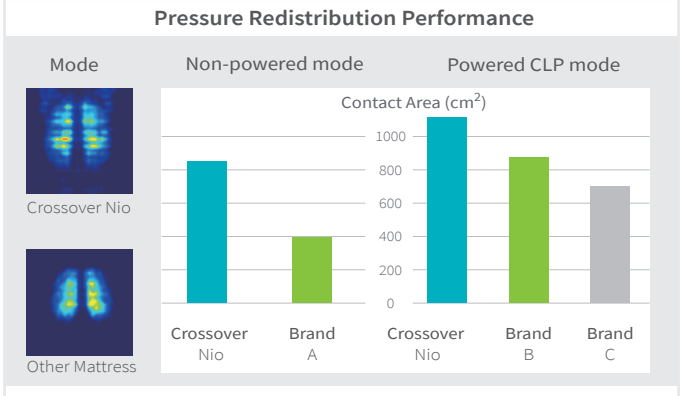
Optimize patient comfort and protection by merging foam pressure-relieving design with advanced CLP/ALT therapy modes.



Calibrated performance foam-in-cell design provides advanced mode.



Sloped design and central groove cutting enhances heel protection



Crossover Nio delivers better pressure redistribution performance

Crossover Nio

Hybrid technology ensures reliable pressure redistribution throughout entire care journey



Pump Features	Value
1 **Intuitive pressure level adjustment button** Simplifies caregiver operation while providing patients with the best immersion and comfort.	● ●
2 **4 modes: Reactive/ Alternating/ Static/ Max Firm** Smooth transition between four modes to reduce caregiver workload and support patient care at every stage. Max Firm with auto-resumed mode prevents misuses and ensures worry-free operation.	● ●
3 **Integrated alarm indicators** Provides simultaneous audio and visual notifications for low pressure, power failure, and maintenance alerts.	●



Mattress Features	Value
4 **Foam in cell design_Torso zone** Calibrated performance foam-in-cell design optimize pressure relief performance of the powered hybrid mattress	●
5 **Unique cutting_Head zone** Support head properly and prevent dizziness during alternating	●
6 **Unique cutting_Heel zone** Maximize heel pressure relief with slope, small cutting and central groove design.	●
7 **Stable support edge shaped to fit the bed** Ensure consistent contouring to the bed frame and provide stability to support patients during early mobility .	● ●
8 **Optimized operation experience: carry handles, connector management** Design improvements based on user feedback optimize operation and enhance user experience.	●

Specifications		Crossover Nio	
Pump		Dimension	29 x 19 x 13 cm / 11 x 7 x 5 in
		Weight	2 kg / 5 lb
		Supply Voltage	100-120; 220-240 V / 50; 60 Hz
		Case Material	Fire Retardant ABS
		Therapy Mode	Max firm / Alternating / Continuous Low Pressure/ Non-powered Reactive
		Operation Cycle	10 min
		Noise Level	< 30 dB(A)
Mattress		Dimension	190-210 x 80-90 x 15 cm / 75-83 x 32-35 x 6 in
		Weight	15 kg / 34 lb
		Type	Hybrid mattress / Foam in cell / Replacement
		Top Cover Material	PU Stretch
		Maximum Patient Weight	250 kg / 550 lb

Pump: water resistant standards (IP21); Mattress: flame retardant standards (CAL-117)

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