

Optima Turn

Reducing patient handling complexity and pressure injury risks.

8.5% of acute and post-acute adult patients develop hospital-acquired pressure injuries (PI), with 5.4 incidences per 10,000 patients per day. Over half of all PI incidences are within Stage I and Stage II severity and primarily affect the sacrum, heels, and hips (in prevalence order). PI significantly increases inpatient mortality and length of hospital stay by 7 to 11.2 days.¹⁻³

Rotating patients in a 30° lateral position every 4 hours on an alternating pressure mattress reduces pressure injury incidences by 85% and labor-intensity for caregivers and improves patient comfort - and cost-efficiency.^{4,5}

Optima Turn is a pressure-reducing support surface solution that improves patient handling efficiency, pressure injury prevention, and patient care delivery and outcome for inpatients.



Access multiple therapy modes

Care providers can switch between static, alternating, and turning therapy modes to deliver high-quality and flexible patient care according to the patient's recovering status without moving the patient to and from different mattresses.

Consistent turning speed and angle

Slow and consistent turning ensures a smooth and comfortable repositioning experience for the patient. Care providers can choose between turning angles (10, 20°, and 30°) to optimize patient recovery outcomes.

Automate 30° lateral turning

Two longitudinal air cells inflate to achieve 30° repositioning, reducing excessive labour and injuring care providers. Auto-turning supports continuous 30° turning, increasing clinical guidelines compliance for repositioning immobile patients.

Optimal patient safety during turning

Firm air cell side bolsters combined with the bed rails prevent the patient from slipping off the mattress and feeling trapped, uncomfortable, or hurt by the railings during turning. Optima Turn supports upper body turning only, improving patient safety.

Clinical Benefits



The benefit of routinely rotating the inpatient between 30° lateral positions on each side reduces the incidence of pressure injuries compared to the conventional 90° lateral position.⁶

The heel (calcaneus) is vulnerable to pressure injuries due to withstanding high pressure across a small surface area with thin tissue layering for protection.^{7,8} Elevating or suspending inpatients' heels to create a zero-pressure zone reduces pressure injury risk significantly.⁹



The side bolster has a lower border design in the middle section. This is to create a space for sorting the drainage tubes (especially for ICU patients) and to prevent the chances to occur reflux issues. Also, the side bolster has its own deflation knob to improve the process for handling patient transfer.

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Specifications		Optima Turn				
Pump		Dimension	34.1 x 16.5 x 26.0 cm ; 13.4 x 6.5 x 10.2 in			
		Weight	4.5 kg / 9.9 lbs			
		Case Material	Fire Retardant ABS			
		Supply Voltage	230 V / 50 Hz			
		Operating Cycle	10 / 15 / 20 / 25 minutes			
Mattress		Dimension	Cells	Length	Width	Height
			20	200cm(78.7 in)	85-90cm(33.4-35.4 in)	13-25cm(5-10 in)
		Type	Replacement			
		Weight	12.5 kg / 27.5 lbs			
		Top Cover Material	4-way stretch PU, polyester cover with welded seams			
		Cell Material	TPU			
		Maximum Patient Weight	180 kg / 379 lbs			

Pump: water resistant standards (IP21); Mattress: flame retardant standards (EN597-1, EN597-2), RoHS, WEEE

