THERAPY SYSTEM

Advanced Kinetic Therapy for the prevention and treatment of pulmonary complications in immobile patients. Kinetic Therapy, the continuous, side-to-side rotation of a patient to 40° or greater, helps redistribute pulmonary blood flow to improve ventilation and perfusion matching. Over 50 clinical studies have demonstrated that this therapy prevents and treats pulmonary complications. Some of the most profound results are:

- 50% reduction in nosocomial pneumonia¹
- 42% reduction in ventilation time²
- 37.5% reduction in ICU length of stay²
- 82.3% partial or complete resolution of atelectasis³
- 32% reduction in incidence of lower respiratory tract infections⁴
- 52% less patients developed ventilator associated pneumonia (VAP)⁵

¹ ² ³ ⁴ ⁵
KEY FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>Advanced Kinetic Therapy up to 62° to each side (124° arc)</td>
<td>Redistributes pulmonary blood flow to improve ventilation and perfusion matching</td>
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<tr>
<td>computerised rotation in 5° increments up to 62°</td>
<td>Provides customised therapy</td>
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<tr>
<td>Variable side pauses, up to 30 minutes on each side</td>
<td>Enhances mucosal drainage</td>
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<tr>
<td>High Performance Medical Fabric mattress cover</td>
<td>Helps manage skin microclimate to prevent pressure ulcers</td>
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INDICATIONS

- Treatment and prevention of pulmonary complications associated with immobility
- Thoracic or lumbar fracture
- Skeletal traction
- Cervical traction (RotoRest™ is not to be used as a primary means of stabilising cervical spine fractures, cervical traction, halo and vest or internal fixation is required.)

CONTRAINDICATIONS (percussion therapy only)

- Multiple rib fractures
- Persistent intracranial hypertension
- Bronchospasm
- Post-operative periods following cardiac surgery

Product Specifications*

**Dimensions:**
- Total length of system: 2475 mm
- Total height of bed (frame) with surface lowered: 1250 mm
- Height of surface when lowered: 884 mm*
- Overall Width: 96 cm

**Ground Clearance**
- Lowered: 88.4 cm
- Raised: 125 cm
- Weight: 415 kg
- Maximum Patient Weight: 150 kg
- Maximum Turning Angle Power: 70°

**Electrical:**
- Voltage: 115 V
- Cycles: 60 Hz
- Amps - Turning Only: 0.8
- Amps - Fan Only: 40
- Amps - Jacks Only: 2.80
- Maximum Leakage: 45 Microamps
- R.P.M. (Gearbox): 14

**Product Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>Maximum Trendelenburg</td>
<td>12.5°</td>
</tr>
<tr>
<td>Maximum Reverse Trendelenburg</td>
<td>12.5°</td>
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**Specifications:**

1 Choi SC, Nelson LD. Kinetic Therapy in Critically Ill Patients: Combined results based on meta-analysis. Journal of Critical Care. 1992 March;7(1):57-62. (50% reduction referenced from page 59-60. *Thus for example, the incidence of pneumonia is approximately two times higher with conventional beds compared with the KT tables. *2 times = 50% reduction)
2 Fink MP, Helmsmoortel CM, Stein KL, Lee PC, Csord SM. The efficacy of an oscillating bed in the prevention of lower respiratory tract infection in critically ill victims of blunt trauma. Chest. 1999 January;97:132-137. (Table 2 data: mean days intubated [7 - 4] / 7 = 42% reduction) (Table 2 data: ICU length of stay [8 - 5] / 8 = 37.5% reduction)

5 Ahrens T, Kofdt M, Stewart J, Shannon W. Effect of kinetic therapy on pulmonary complications. American Journal of Critical Care. 2004 September;13(5):376-382. (Table 2: 45 patients control VAP - 14 patients kinetic VAP = 31 patients of difference. 31 / 45 = 52% less)

* Specifications subject to change without notice.