



# RMS-01

## Vertigo Repositioning Chair

Robotic Maneuvering System (RMS), is designed to diagnose and treat a condition called Benign paroxysmal positional vertigo (BPPV). BPPV is one of the most common causes of vertigo — the sudden sensation that you're spinning or that the inside of your head is spinning. BPPV causes brief episodes of mild to intense dizziness. BPPV is only treated by maneuvers to drop loose crystals inside balance organ to a harmless location.

- RMS and DSS is designed under guidance of an experienced MD Specialists,
- Designed to handle multi-canal BPPV cases,
- Practical strap mechanism to strap patients,
- Robust high precision mechanical movement mechanism,
- All maneuvers are in the memory, one touch operation,
- Ability to prepare custom maneuvers for research purposes,
- FAIL SAFE Automatic return mechanism in case of power failure,

### DIAGNOSTIC MANUEVERS

1. DIX HALLPIKE RIGHT
2. DIX HALLPIKE LEFT
3. ROLL RIGHT
4. ROLL LEFT
5. DEEP HEAD HANGING LEFT
6. DEEP HEAD HANGING RIGHT
7. SUPINE ROLL

### TREATMENT MANUEVERS

- |                               |                               |
|-------------------------------|-------------------------------|
| 1. EPLEY RIGHT                | 15. LEFT ANTERIOR RIGHT EPLEY |
| 2. EPLEY LEFT                 | 16. RIGHT ANTERIOR LEFT EPLEY |
| 3. BBQ RIGHT                  | 17. BOW & YAW RIGHT           |
| 4. BBQ LEFT                   | 18. BOW & YAW LEFT            |
| 5. SEMEONT RIGHT              | 19. MODIFIED YACAVINO RIGHT   |
| 6. SEMONT LEFT                | 20. MODIFIED YACAVINO LEFT    |
| 7. GUFONI RIGHT CANALITHIASIS | 21. VANUCCI-ASPERALLA RIGHT   |
| 8. GUFONI LEFT CANALITHIASIS  | 22. VANUCCI-ASPERALLA LEFT    |
| 9. GUFONI RIGHT CUPULOLITHIA. |                               |
| 10. GUFONI LEFT CUPULOLITHIA. |                               |
| 11. YACOVINA LEFT             |                               |
| 12. YACOVINA RIGHT            |                               |
| 13. BBQ RIGHT MODIFIED        |                               |
| 14. BBQ LEFT                  |                               |

# Competitive Advantage

RMS is totally automatic and easy to use. It is easy on the patient and easy on the physician. It features push button operation as well as FAIL SAFE operation. Meaning, even if the power fails, it corrects itself with the aid of gravity.

	Automatic maneuver capability	AI based DSS support	Easy strap/ Unstrap patient mechanism	Custom maneuver prescription ability	Ability to modify existing maneuvers	Precision maneuver and repeatability	No-Nystagmus BPPV support
TRV Chair	✗	✗	✗	✗	✓	✗	✗
Rotundum	✗	✗	✗	✗	✓	✗	✗
RMS	✓	✓	✓	✓	✓	✓	✓



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RMS has been displayed in several local and international medical meetings and received good reviews. Best comments came from our patients.

## TECHNICAL DATA

Length: 250 cm  
Width: 70 cm Height: 200 cm  
Weight: 500 kg  
Power: 220-240 VAC 50 Hz  
Power consumption: 150 W standby.  
During maneuvers increases to peak value of 2.8 KW momentarily.

**PATIENT SIZE & WEIGHT (min-max)**  
: 40 kg - 150 kg  
:140 cm - 200 cm

VERTICAL AXIS MOVEMENT RANGE  
-720 TO +720 degrees (multi turn)

HORIZONTAL AXIS MOVEMENT RANGE  
-180 TO +180 degrees full turn

VERTICAL AXIS MOVEMENT SPEED  
(MAX: 90 degree/sec – MIN: 0 degrees/sec

HORIZONTAL AXIS MOVEMENT SPEED  
(MAX: 60 degree/sec – MIN: 0 degrees/sec

VERTICAL AXIS RESOLUTION:0.0033  
degrees (1/75 degrees)

HORIZONTAL AXIS RESOLUTION:0.0066  
degree (1/150 degrees)

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