

System 2000 Reclining™

Rotational Vestibular Chair



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The reliability of the clinical information attained under the precisely controlled environment of the System 2000 Reclining Chair furnishes clinicians the unique opportunity to accurately assess the Vestibular Ocular Reflex (VOR) efficiently and economically.



WITH THE CHAIR IN THE 90 DEGREE UPRIGHT POSITION (LEFT), THE CLINICIAN CAN COMPLETE THE FOLLOWING TESTS

SHA VOR TESTS:

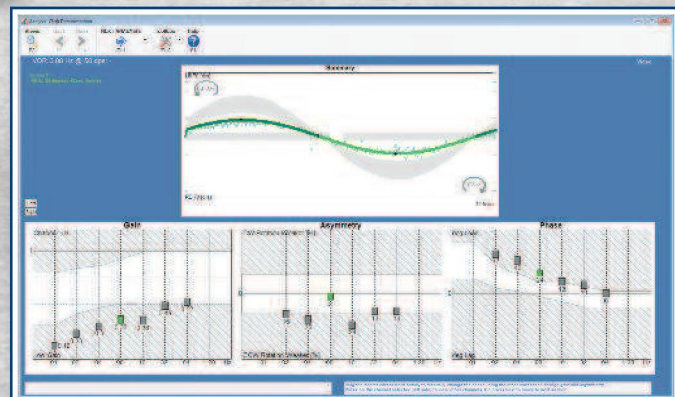
- VOR 0.01 to 0.64 Hz (20 d/s to 100 d/s)
- Visual Enhancement of the VOR (VVOR)
- Visual Suppression of the VOR (VFX)
- Velocity Step Test (100 d/s to 200 d/s)

OCULARMOTOR TESTS

- Smooth Pursuit
- Saccade
- Optokinetic
- Gaze

VOR ANALYSIS

The analysis of the VOR test (right) shows abnormally low gain at all frequencies; 0.08 Hz @ 50 degrees per second is highlighted.





Spectrum™

balance software

We have taken our decades of experience in the design and manufacture of our rotational chairs to the ultimate in clinical efficiency. The System 2000 Reclining Rotational Chair completes the standard rotational chair testing protocols then reclines for caloric and positional testing.

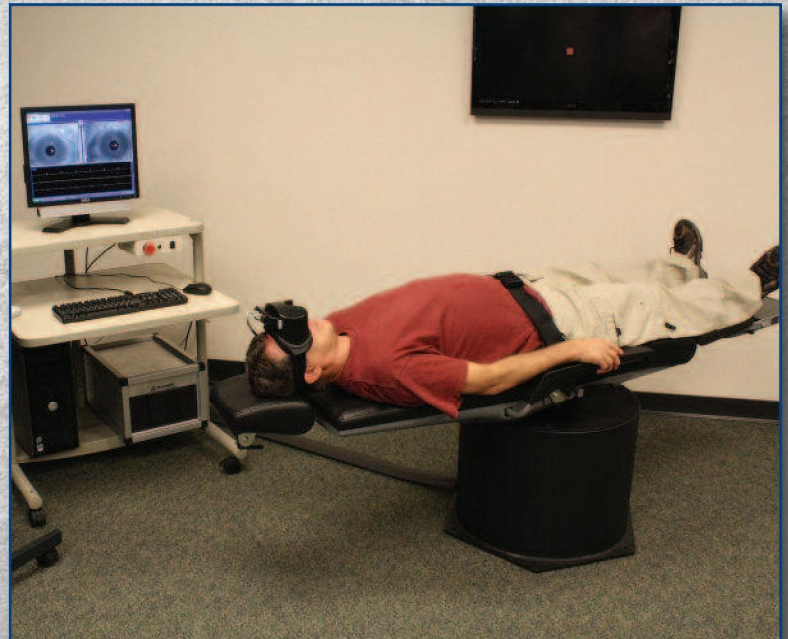


ENGAGED



DISENGAGED

For added safety a foot brake assures stability when the seat back is reclined.



With the chair reclined to 30 degrees, (below) it is set for caloric test protocols. Spectrum software integrates either the Micromedical Air Fx air caloric irrigator or AquaStim water caloric irrigator for computer controlled caloric stimulations.

Recline the chair to 0 degrees (above) for positional tests and remove the head rest to complete Dix Hallpike testing. The full supine position also facilitates Canalith Repositioning Maneuvers.



To assure a correct angle for caloric testing, an indicator resides on the side of the chair.



To Preserve and Improve Balance

THE SYSTEM 2000 IS ALSO AVAILABLE IN THE FOLLOWING CONFIGURATIONS:

COMPREHENSIVE

With enclosure, ceiling mounted Optokinetic drum and XY axis laser projector

AUTO-TRAVERSE MICRO-CENTRIFUGE

With enclosure, ceiling mounted Optokinetic drum, XY axis laser projector and programmable lateral movement of the chair up to +/- 7 centimeters during an eccentric otolith test to test Dynamic Subjective Visual Vertical (DSVV)

UPGRADE AVAILABLE

Current Mid-Tower VisualEyes VNG customers using Version 8 of Spectrum Software or greater, can easily upgrade to System 2000 Reclining Chair.

For earlier versions of Spectrum, please call Micromedical.

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Printed in USA 3/2014



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ISO 13485:2003
FM 90233

ALSO AVAILABLE FROM MICROMEDICAL

- VisualEyes VNG
- EOG – Electrode Capability
- Air Fx air caloric irrigator
- Aqua Stim water caloric irrigator
- Vorteq – Active Head Rotation Testing
- DVAT – Dynamic Visual Acuity Test
- Pupillometry
- Consensual Light Reflex (CLR)
- VHIT Video Head Impulse Test

CUSTOMER CARE

MICROMEDICAL'S KNOWLEDGEABLE STAFF IS DEDICATED TO ASSISTING YOU AND MAXIMIZING YOUR INVESTMENT BY:

- Providing on-site installation and training using local representatives
- Providing technical, operational and interpretation assistance from Micromedical's experienced support staff
- Sponsoring continuing education courses
- Including a one year hardware warranty
- Including one year of free software updates

QUALITY AND REGULATORY STANDARDS

All equipment is designed and manufactured under our ISO 13485 certified quality management system to meet U.S. FDA; Canadian; European and International Standards.

- CMDCAS
- ANSI S3.45-2009
- Medical Device Directive (MDD) to comply with EC Directive 93/42



Micromedical[™]
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