

# System2000

Rotational Vestibular Chair

# Reclining



Ideas. Imagination. Innovation.



**Micromedical**<sup>™</sup>  
TECHNOLOGIES INC.

# System2000

Rotational Vestibular Chair

# Reclining™



WE HAVE TAKEN OUR DECADES OF EXPERIENCE IN DESIGN AND MANUFACTURE OF OUR ROTATIONAL CHAIRS TO THE ULTIMATE IN CLINICAL EFFICIENCY.

ROTATIONAL CHAIR TESTING PROVIDES VERSATILITY IN MEASURING THE VESTIBULAR-OCULAR REFLEX (VOR). THE SYSTEM 2000 RECLINING ROTATIONAL CHAIR IS ENGINEERED TO DELIVER PRECISELY CONTROLLED STIMULI AND SUPERIOR WAVEFORM DETAIL WHILE UTILIZING FIREWIRE INFRARED VIDEO RECORDING TO DISCRIMINATE THE EXTENT AND PROGRESS OF PERIPHERAL AND CENTRAL VESTIBULAR DISORDERS



WITH THE CHAIR IN THE 90 DEGREE POSITION SHOWN TO THE 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)
- Trapezoidal Velocity Step Test (100 d/s to 200 d/s)

#### OCULARMOTOR TESTS

- Smooth Pursuit
- Saccade
- Optokinetic

#### FIREWIRE GOGGLES

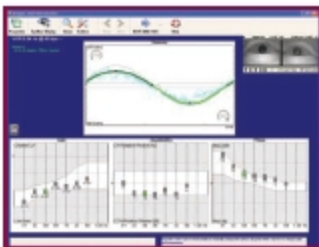
THE INNOVATIVE BINOCULAR DESIGN OF THE GOGGLES INCLUDES THE FOLLOWING KEY FEATURES:

- Mirrors are mounted below eye level to reduce eyelid and eyelash interference
- Integrated external focus knob
- Full field of view
- Comfortable and light weight goggle weighing only 8 oz; with cover removed, 10.5 oz with cover
- Designed to utilize high speed Firewire cameras





 **PROGRAMMING AND ANALYSIS PRESENTATION ARE THE NUCLEUS OF THE SYSTEM 2000. ROTATIONAL CHAIR TESTING UTILIZING SPECTRUM SOFTWARE AIDS IN THE IDENTIFICATION OF VESTIBULAR PROBLEMS NOT APPARENT WITH TYPICAL VNG/ENG TESTING PROTOCOLS.**



The reclining model of our System 2000 Rotational Chair completes the standard rotational chair testing protocol and ocular motor tests while the seat back is at 90 degrees, reclines to 30 degrees for caloric testing and further reclines to full supine.

For added safety, rotation inhibitor technology assures yaw stability when the seat back is reclined.

With the chair reclined to 30 degrees, (right) 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 (left) and remove the head rest to complete Positional and Dix Hallpike testing. This position also facilitates Canalith Repositioning maneuvers.



## 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)

### ALSO AVAILABLE FROM MICROMEDICAL

- VisualEyes VNG
- EOG – Electrode Capability  
Available on stand alone VisualEyes VNG systems and System 2000 Comprehensive and Auto Traverse
- 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)

### 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.

- UL 60601-1
- IEC 601-1, EN 60601-1
- CMDCAS
- ANSI S3.45-2009
- Medical Device Directive (MDD) to comply with EC Directive 93/42

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