DRIVESAFETY™

www.drivesafety.com

CDS 250W

OUR MOST ADVANCED CLINICAL DRIVING SIMULATOR WITH WHEELCHAIR CAPABILITY

The DriveSafety CDS 250W simulator was developed to assist therapists in measuring and treating ambulatory and wheelchair patients with driving-relates issues. It features a removable seat base and motorized lift to accommodate any size wheelchair. It comes with a full set of hand controls, a spinner knob, and an integrated left foot accelerator pedal. Driving rehabilitation specialists use the CDS 250W and its extensive library of SimClinic therapeutic and assessment driving scenarios to enhance their clinical and on-the-road methods. Unmatched in the industry for its fidelity, face validity, and clinician-oriented features, the CDS 250W incorporates many of the capabilities of DriveSafety's full-scale research simulators but is tailored specifically for clinical use.

Used at VA hospitals, US Army and Navy clinics, private clinics, private hospitals, and universities

A Complete Simulated Driving System

The CDS 250W simulator's seat base can be removed, allowing drivers to remain seated in their wheelchair and slide into a partial cab based on a Ford Focus sedan, where they are immersed in an authentic automotive control environment with simulated driving scenarios and ambient traffic. The system comes with a transfer frame to help patients practice getting in and out of a vehicle and the operator interface is easy for clinicians to use from a dedicated touchscreen tablet that ships with the system.

Special Configurations

The system can ship with adaptive equipment including a spinner knob, a left-foot accelerator and hand controls so patients can practice the physical coordination necessary to drive without using their feet. Larger, more immersive display systems as well as motion cueing are also available with the CDS 250W, if desired.

"The team at the Driver Rehabilitation Center can provide patients suffering from memory loss, dementia, amputation or spinal cord injuries a realistic experience in a simulator so they can get used to the idea of driving again. Because our DriveSafety simulator is built using a real car cab structure, it's much more lifelike for patients. That coupled with the triple viewing screens and the rear view mirrors enables patients to gain more confidence when it comes time for the real thing."

– JOSEPH NECZEK
RKT and CDRS, Driver Rehabilitation Center,
Edward Hines Jr. VA Hospital in Chicago

What's included

- Separable seat and center console module for wheelchair accessibility
- Partial cab based on a Ford Focus sedan
- Ambulatory, wheel chair transfer and full wheelchair patient access
- Separable seat module for wheelchair accessibility
- Motorized height adjustment accommodating any wheelchair height
- Sharp, high-resolution (retina-limited) visual displays and 110 degree field of view
- Real-time rear and side view wide-angle mirrors
- Highly adjustable car seat to accommodate patients of varying height and weight
- Dash and center console
- Tilt steering wheel with dynamic electric torque feedback
- Live instrument cluster
- Standard automotive driver controls including accelerator and brake pedals, steering, gear select, ignition, turn signals and headlights
- Fully functional automotive stereo with radio/CD and MP3 player input
- High-quality sound system
- Free-standing tower fan for driver comfort
- Runtime simulation software, system computers, printer and accessories
- Wireless tablet-based interface for greater ease of use
- SimClinic software scenario libraries
- Includes shipping, installation, half day onsite training and 1 year of support

Specs

Dimensions: 7' L x 4' W
Weight: 750 lbs
Power requirements: one dedicated 20 amp/110 volt circuit

DriveSafety SimClinic software

The powerful software that runs the CDS 250W is called SimClinic™, delivering dozens of driving scenarios and interactive exercises for clients. The SimClinic™ library is comprised of clinician-inspired activities organized into the following four progressive phases.

PHASE I: Pre-Driving Clinical Exercises, Basic Functional Abilities

PHASE II: More Functional Abilities in the Context of Simple Driving

PHASE III: Progressive Basic Driving Skills

PHASE IV: Advanced Driving Skills and Naturalistic Scenarios

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FOR MORE INFORMATION, PLEASE CONTACT DRIVESAFETY AT: info@drivesafety.com