Simulator

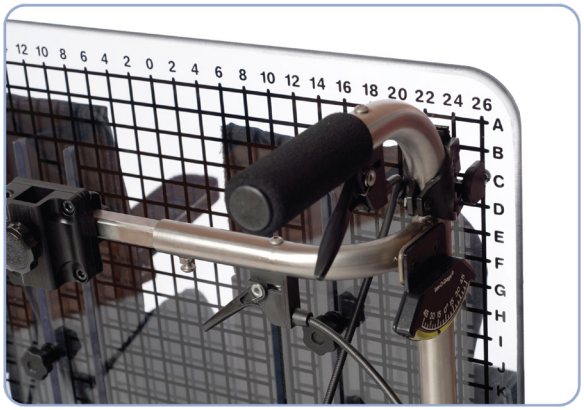
Optimize your evaluations with the Simulator! This state-of-the-art device ensures the most accurate measurements for custom-built posture assistive devices. This versatile tool can simulate a wide range of adjustments and component interactions.

The Simulator is the perfect tool to meet the daily challenge of assessing your clients' needs.

PHYSIPRO
Seating and mobility solutions

THE **SIMULATOR**

The Simulator measures the angles of tilt and inclination needed for proper spatial orientation. It also helps determine users' needs for additional components, support, or correction, and makes it easy to take anthropometric measurements. You'll have all the specifications you need for each user's personalized mobility aid.



Back

An ingenious measurement indicator system helps you to quickly and efficiently measure the user's shoulder and thorax width. It also determines what kind of laterals the user needs (height and width).

Adult

Pediatric

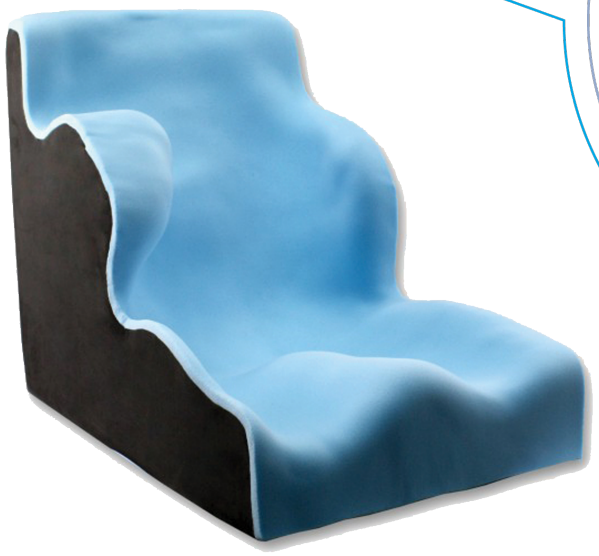
Tension Adjustable Back

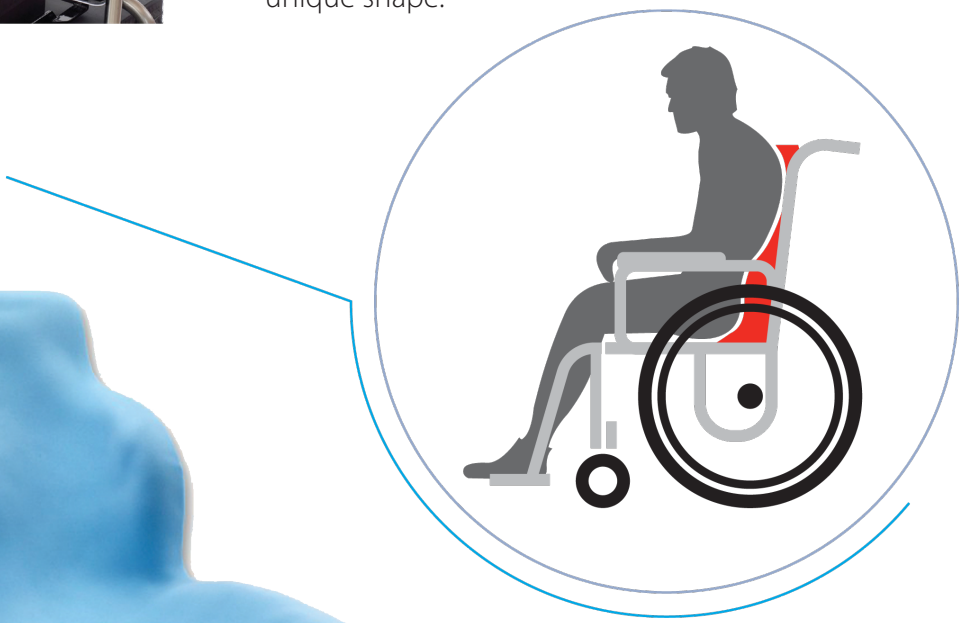
The 1" individually adjustable straps can be tightened or loosened as needed. This makes it possible to adjust the backrest precisely to the most appropriate position.

Foam-In-Place Seating (FIPS)

Foam-In-Place Seating (FIPS) is an assistive seating technology for clients with complex positioning needs such as fixed deformities or excessive tone problems. The Simulator backrest is also compatible with vacuum molding bags.

Openings in the Simulator's backrest allow easy access to the molding bag, so it can be adjusted to the user's unique shape.





Armrest

Armrests are height- and width-adjustable. A handle under the cushion allows it to be slid back and forth along the tube to adjust the depth as well.

Abduction Pommel

The pommel can be adjusted laterally, and can be folded using the push button located in the front of the mechanism.

Footrest

Depth- and angle-adjustable footplates.
Angle settings: 60°, 70° and 90°.

Height adjustment using an adjustment lever on the outer edge of the footrest.

Headrest

The multi-axis headrest's adjustment knobs allow quick and efficient adjustment of height, tilt, and depth.

Laterals

The laterals can be adjusted for height, angle, and lateral position using the slide slots, and can be fixed in place with the adjustment handles. A positioning system on the backrest lets you determine their final position.

Lateral Pelvic Support

The pelvic supports' lateral position can be continuously adjusted using the knobs located in the lower back of the seat back.

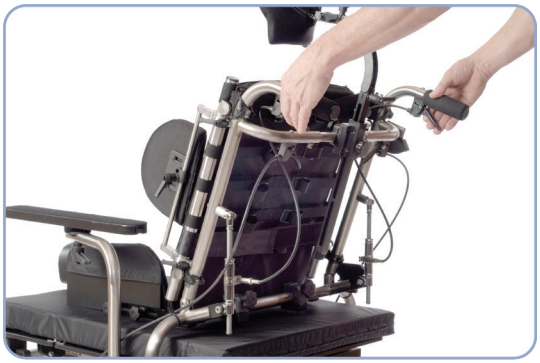
Anti-Thrust Wedge

This system allows the user's knees to be raised, providing pelvic tilt. Adjustable from 0 to 2½".

Tilt-in-Space

The tilt-in-space is operated by the handles located underneath the push handles. A goniometer attached to the back post measures the tilt angle.

θ Max: 30° positive (backward)
θ Min: 0° (forward)



Backrest Inclination

The backrest can be adjusted from 85° to 165°.

Seat Depth

The seat depth can be adjusted from 14" to 22" and the lateral position is also continuously adjustable.

Lap tray

Available as an option. A lap tray can be attached to the armrest with velcro fasteners.

TECHNICAL SPECIFICATIONS

Tilt-in-space
From 0° to 30°

Backrest inclination
From 85° to 165°

Seat depth
From 14" to 22"

Anti-thrust wedge
From 0 to 2½"

Lateralpelvicsupport
From 7" to 20"

Laterals
Lateral: From 8½" to 20"
Height: From 11" to 18"

Headrest support
Height: 8"
Lateral: 6" range (3" to the left and right)
Depth: from -4" to 5"

Armrest support
Hight: from 0" to 16"
Width: from 8" to 21"
Depth: 10" range

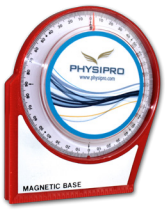
Footrest support
Height: from 12" to 21"
Width: from 12" to 30"
Angle: 60°, 70° and 90°

Maximum weight capacity 450 lb

ASSESSMENT TOOLS

Vernier caliper

Accurate and precise, this caliper is ideal for taking anthropometric measurements.



Goniometer

Measuring instrument used for calculating tilt angles, seat/backrest angles, etc.

Foam and postural component kits

Physipro offers an assortment of postural components for seat and backrest that can be used to evaluate the postural needs of an individual. Foam kits containing various types of foams, in different thicknesses and sizes, are also available. These kits can help determine which cushion composition is best suited for an individual.

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Seating and mobility solutions

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