

BOUNDER

POWER WHEELCHAIRS

Made in USA



***21st* Century SCIENTIFIC, Inc.**

4931 N Manufacturing Way, Coeur d'Alene, ID 83815
(208) 667-8800 FAX (208) 667-6600
21st@wheelchairs.com
www.wheelchairs.com
(800) 448-3680

BOUNDER

Available in Four Configurations:

BOUNDER 300

BOUNDER 450

BIG BOUNDER 600

BIG BOUNDER 1000

STANDARD FEATURES

- **Very stable rear wheel drive** - does not fishtail at high speeds, unlike front and mid-wheel drives
- **Durable H-style frame uses 2.5" x 1.5" x 0.125" thick steel wall tubing** - TIG welded for superior strength
- **Independent Drive Wheel Suspension** - Improves ride quality and traction
- **0.120" wall steel seat rails and back posts** - for extra strong seat and back
- **Sliding dual group 24 battery box** - for extended range and ease of maintenance
- **Xtra Duty adjustable suspension forks** with 1" diameter fork stems and ID (inside diameter) caster barrel bearings
- **70 degree swing-away footrest**
- **Sheet metal pan seat**
- **Anti-tipping wheelie wheels**
- **Available with LiNX or R-net electronics**
- **Smart electric brake release** - for easy pushing by an attendant
- **9" x 3.50" aluminum caster wheels** - with oversized 5/8" ID (inside diameter) wheel bearings. Excellent on most surfaces including grass and dirt roads
- **13" x 4.00" steel/aluminum drive wheels** - available with smooth or knobby treads
- **Standard gray or black foam filled tires**
- **Durable black powder coated frame**
- **Fully automatic 8A gel-cell battery charger** - won't overcharge the batteries if kept plugged in
- **Push button seat positioning strap**
- **Easy to service and maintain**
- **Available with or without Power Seating Systems**
- **Flip-up self supporting arms**
- **Detailed Owner's Manual**



Performance, durability and reliability: The extremely durable Bounder Power Wheelchair is designed for the active individual. All models are configured with a rear wheel drive platform that provides stable operation in all driving conditions and have steel TIG welded frames that are built to last.

Standard on all configurations - Independent Drive Wheel Suspension for improved ride and handling.



BOUNDER 300 with Power Tilt, Power Recline and Comfort Company Seating

HEAVY DUTY Models

BOUNDER 300 Power wheelchair for performance indoor and outdoor by users up to 300 lb.

INCLUDES:

- 300 lb Weight Capacity
- 6.0 mph Top Speed Standard - faster speeds available
- Super Torque 4M motors and brakes
- Power Seating Options:
 - Tilt or Anterior Tilt
 - Recline
 - Elevate

Popular Options:

- * Safety taillights built into frame
- * SPEED PACKAGE - Increases maximum top speed to 7.6 mph
- * HIGH SPEED PACKAGE - Increases maximum top speed to 8.5 mph
- * OFF-ROAD PACKAGE - Provides great all-terrain performance



Make it a *Plus*- The **BOUNDER Plus 300** - all the standard features of the BOUNDER 300, *Plus* the High Speed Package or Off-Road Package and a 2-year warranty on the entire chair is included at no additional charge.

BOUNDER 450 Up to 450 lb weight capacity for larger power wheelchair users who want performance and durability in their chair.

INCLUDES:

- 450 lb Weight Capacity
- 6.0 mph Top Speed Standard - faster speeds available
- Super Torque 4M motors and brakes
- Power Seating Options:
 - Tilt or Anterior Tilt
 - Recline
 - Elevate

BOUNDER 450 with optional power elevating footboard

Popular Options:

- * Safety taillights built into frame
- * SPEED PACKAGE - Increases maximum top speed to 7.0 mph
- * HIGH SPEED PACKAGE - Increases maximum top speed to 8.0 mph
- * OFF-ROAD PACKAGE - Provides great all-terrain performance



***HIGH SPEED* Package**



Add performance to the durability of the BOUNDER Power Wheelchair. The **HIGH SPEED Package** increases the top speed up to **8.5 mph**. Increased speed is great when you need to travel several blocks in your power chair or cross a busy street. Keep up with the world!

A person in a blue jacket is driving a black power wheelchair through a city intersection. The wheelchair is moving from left to right across the frame. In the background, there is a traffic light with a green light, a pedestrian crossing sign, and a white car with a roof rack. The scene is set in an urban environment with buildings and trees.

Top Speed Options

BOUNDER 300 and BOUNDER Plus 300
6.0 mph Standard Top Speed
7.6 mph with SPEED Package
8.5 mph HIGH SPEED Package

BOUNDER 450
6.0 mph Standard Top Speed
7.0 mph with SPEED Package
8.0 mph HIGH SPEED Package for users up to 450 lbs

OFF-ROAD Package

Add a smoother ride and Off-Road capabilities to your **BOUNDER 300** or **450**. The low pressure pneumatic drive tires provide a very smooth ride and rough terrain is no longer bumpy and jarring. The aggressive knobby tire design provides excellent traction when traversing loose terrain, mud or even snow. Two High Volume Low Pressure tire sizes are available.



FEATURES

- **Improved ride** plus great off-road capability
- **14" x 5.4" Black High Volume Low Pressure** off-road tires standard. Optional 13" x 5.0" tire size for reduced base width
- **9" x 3.50" black foam filled caster tires**
- **Off-road wheelie wheels**, provides greater protection when in loose soil
- **28.5" standard overall base width** with 14" x 5.4" drive tire
- **27" optional overall base width** with 13" x 5.0" drive tire



OFF-ROAD Package
TOP SPEEDS
5.2 mph to 8.0 mph
(depending on user weight)



BARIATRIC Models



BIG BOUNDER 600

BIG BOUNDER 600

INCLUDES:

- 600 lb Weight Capacity
- 4.5 mph Top Speed Standard - faster speeds available
- Super Torque 4M motors and brakes
- All frame members either .120" wall or solid bar stock
- Reinforced footrests
- Cross strut welded between push handles
- Reinforced seat mounts
- Power Seating Options:
 - Tilt or Anterior Tilt
 - Recline

Popular Options:

- ★ Safety taillights built into frame

BIG BOUNDER 1000

All the BIG BOUNDER 600 features and...

- 1000 lb Weight Capacity
- 4.2 mph Top Speed Standard
- Super Torque 4S motors and brakes
- Additional frame reinforcements
- Power Seating Options:
 - Tilt or Anterior Tilt
 - Recline

Popular Options:

- ★ Safety taillights built into frame



BIG BOUNDER 1000 with optional Power Tilt

BOUNDER Unique Features

SLIDING BATTERY BOX



Group 24 batteries provide extended range beyond many power chairs

- ✓ Large battery box size contains two group 24 batteries
- ✓ Utilizes ball bearing slides; no lifting of heavy batteries
- ✓ Quick release latch to slide out tray
- ✓ Includes removable cover with strap
- ✓ Battery installation instructions inside cover



SUPER TORQUE MOTORS

SUPER TORQUE motors are available in 3 models: **ST4M** on all **BOUNDER 300, 450** and **BIG BOUNDER 600** configurations; **ST4S** on **BIG BOUNDER 1000** and **ST3** for fast speeds available only with the **HIGH SPEED Package**.

All SUPER TORQUE motors are:

- Reliable, field-proven, 6-pole, permanent magnet (PM) motors
- Super Torque Motors have been in production since 1979
- GEARLESS! No plastic gears to break; no gear noise; no gear lubricant leaks; THERE ARE NO GEAR BOXES!
- TENV (totally enclosed non-ventilated) design keeps dust, dirt and splashes outside the motor
- Rebuildable motors are mounted horizontally under the seat
- Typical brush life exceeds ten years!
- Very quiet operation
- Unbeatable 5 year warranty

SUPER TORQUE 4M MOTORS (ST4M)

- Standard on **BOUNDER 300, 450**, and **BIG BOUNDER 600** configurations
- **6.0 mph** top speed, depending upon drive train selected and user weight
- More powerful - produces significantly more torque than **ST3**
- Improved motor and drive train efficiencies, increased driving range per battery charge and runs cooler

SUPER TORQUE 4S MOTORS (ST4S)

- Standard on **BIG BOUNDER 1000**
- **4.2 mph** top speed
- Even more powerful - produces more torque than **ST4M**
- Improved motor and drive train efficiencies, increased driving range per battery charge and runs cooler



SUPER TORQUE 3 MOTORS (ST3)

- **Fast!** - up to **8.5 mph** top speed
- Only available with **SPEED Packages**

POWER SEATING

Sliding Back Power Recline (SBPRS)

Back slides downward as it reclines, helps to reduce shear. Excellent for those with skin deterioration or break-down.

- ◆ 70 degrees of recline for users up to 400 lb
- ◆ 40 degrees of recline for users over 400 lb
- ◆ Adjustable linkage allows 3" of sliding movement



Sliding Back Power Recline (SBPRS)

Power Seat Elevator 2 (PSE2)

Elevating seats increase user independence. The Power Seat Elevator 2 raises the seat as much as 13", typically bringing the user's face to normal standing height. Even more impressive, most users under 400 lbs can drive the chair in the raised position (drive speed limited).*

- ◆ Up to 13" of elevation on **BOUNDER 300**
- ◆ 8" of elevation on **BOUNDER 450**
- ◆ Can be combined with tilt, recline and/or power elevating legrests or power elevating footboard
- ◆ Especially useful in the workplace

**Operation on level ground and good judgment are required! Users over 400 lb are prevented from driving with the seat elevated.*



Power Recline System (PRS)

- ◆ 80 degrees of recline for users up to 400 lb
- ◆ 40 degree recline for users over 400 lb
- ◆ Extremely durable Power Recline System
- ◆ Greater strength and less complexity than competitive systems

Power Tilt System (PTS)

- ◆ 50 degrees of tilt for users up to 400 lb
- ◆ 30 degrees of tilt for users over 400 lb and on chairs with elevate
- ◆ Power Tilt System is extremely durable
- ◆ Greater strength than competitive systems



Power Tilt System (PTS)

- ◆ Combine: power tilt, recline, seat elevator, power elevating legrests or power footboard (some restrictions apply)
- ◆ Through-the-joystick and/or toggle switch control of power seating systems
- ◆ Typical Power Recline System arm options: articulating, self-supporting articulating or sliding arms
- ◆ Many components can be customized: headrests, legrests, arms, seating, upholstery, etc.

Power Elevating, Articulating Center-Mount Footboard (PEACM)

- ◆ Footboard articulates up to 5" when elevated
- ◆ 13" wide x 6" deep footboard standard
- ◆ Removable calf pads allow footplate to flip-up



Dual Independent Power Elevating Legrests (DIPLR)

- ◆ Elevate either legrest separately from the other and independent of any other power seating system
- ◆ Heavy duty option for **BIG BOUNDER 600** and **1000**



Anterior Power Tilt (APTS)

An Anterior Power Tilt System gives a user the ability to adjust the seat angle forward. The rear of the seat tilts up and forward from the normal driving position. The seat and back move together. This can assist with reach and can aid in transferring into and out of the chair. The tilt can be adjusted over an approximate range of 20 degrees. The arms move with the seat. Front rigging is attached to the base of the chair and does not move with the seat.



SEATING, FRONT RIGGING & ARMS

21st Century Seating



Available in multiple sizes, thicknesses and foam densities including SunMate foam. Covered in either black Naugahyde or fabric upholstery.

21st Century Captain's Seat



Custom built to order dimensions, with options available for foam types and thicknesses. Black Naugahyde upholstery is standard.



BOUNDER Plus 300 with AEL Lateral Supports

AEL Positioning Hardware

- Omnilink® Swing-Away Lateral Supports
- POSAlinc® 180 Swing-Away Knee Adductors
- Hip Pads with Removable Bracket

FRONT RIGGING Choices Include:

- ✳ Footrest
- ✳ Center Mount Footboard
- ✳ Low and High Profile Elevating Legrests

Comfort Company Seating

Available Backs:

- Acta-Back® (shown below)
- Acta-Relief™ - adjustable tension back

Available Seat Cushions:

- M2 (shown below) - foam and gel cushion
- Vicare® Adjuster X - adjustable air cell cushion



ARM Choices Include:

- ✳ Self-Supporting (cantilever) & Dual Post - Common when configured without recline
- ✳ Articulating, Self-Supporting Articulating & Sliding Arms - Commonly installed when recline is ordered

ELECTRONICS

LiNX

Features

- Standard 120 Amp Controller
- Revolutionary approach to diagnose and program, wirelessly in real time
- MyLiNX App provides clear battery life, error code information, diagnostics and overall health. It can also communicate problems with the chair to the dealer or manufacturer
- Optional Gyro Module provides better control, especially for users of alternative controls
- The REM400 has built in Bluetooth. You can connect and control computers, laptops and it can be used as a mouse mover
- REM110 and REM216 have a large on/off button for easy access and a rotary speed pot for precise speed control
- Keyless lock function

LiNX REM400 - advanced touch screen hand control with Bluetooth including mouse mover. Paddle switches optional ➤



LiNX REM110 - basic hand control



LiNX REM216 - simple hand control with actuator & light control



R-net

Features: ● Standard 120 Amp Controller ● 8 programable profiles ● Optional Bluetooth module and IR control ● Mono jacks to allow for the use of specialty switches ● Optional Gyro Module available for better control, especially for users of alternative controls

JSM-LED-L - basic LED hand control with actuator and light control



CJSM-L - Simple hand control with LCD display, actuator and light control



CJSM2 - Advanced hand control with hi-res 3.5" VGA display with built-in light sensor and paddle switches for easy access. Assignable buttons for common function control



OPTIONAL:
Swingaway Hand Control Extension Slide



WARRANTIES

ONE YEAR BOUNDER chair warranty

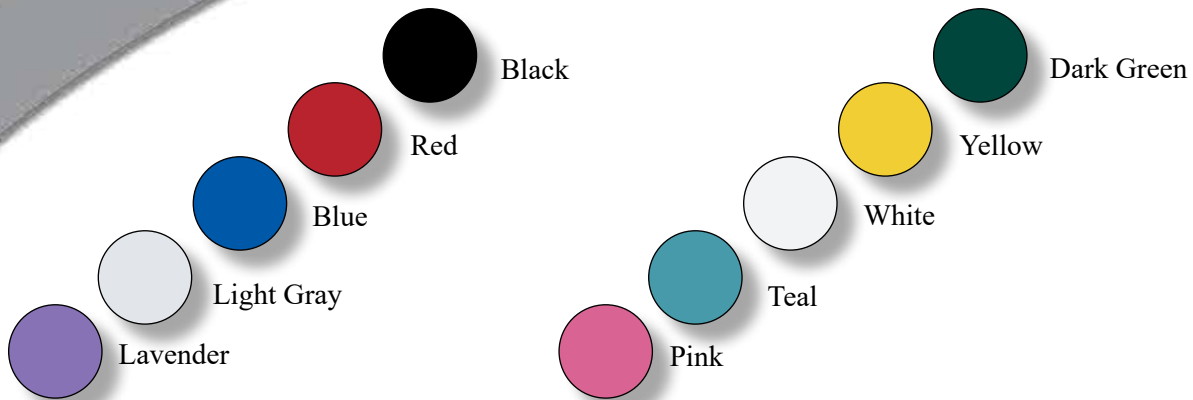
ONE YEAR electronics warranty

FIVE YEAR motor/brake drive train warranty * **

TEN YEAR frame warranty *

Extended warranties available

FRAME COLORS



Custom powder coat colors available

21st Century SCIENTIFIC, Inc.



*Limited warranties - some restrictions apply. See current Order/Quote Forms for specific warranty information.

**Includes motors, brakes, drive wheels, drive wheel sprockets (chain, tires, motor sprockets, inner tubes and bearings, not included).

Current Order/Quote Forms, Price Lists, additional photos, videos and more information are available on the web.

Visit us at: www.wheelchairs.com

21st Century SCIENTIFIC, Inc. reserves the right to make changes at any time without notice.
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