ROVI A3

EXCLUSIVELY WITH

MPS maxx

STAND UP FOR YOURSELF

The all **NEW MPS Maxx – Modular Power Standing System** is available exclusively on the **ROVI A3** base. Our innovative, highly adjustable **standUP Maxx** system combines a power standing function with a full range of power positioning options, all on a **mid-wheel drive** base that delivers a uniquely compact footprint. An outstanding combination of **independence, function** and **accessibility**.

INVACARE® Yes, you can.®

ROVI ADVANCING MOBILITY.

Motion Concepts

Accessibility within reach

In addition to the enhanced mobility and freedom offered by our MPS Maxx system, the medical benefits of adjusting to a standing position throughout the day are numerous, including better bone health, greater joint mobility, pain management, enhanced renal/bowel function and decreased risk for skin tissue breakdown.

7" Elevating Seat

45° CG Tilt

165° Recline

Power Centre Mount

Safety
without compromise

Removable Chest Bar

The removable, height and depth adjustable Chest Bar is designed to safely secure the userwhile standing and offers angle adjustable depth to accommodate asymmetries. This feature can be removed or stowed to the side of the arm rest for transfer or when not in use.

Chest Strap

The center-pull, push button adjustable 2 Point Padded Chest Strap is height adjustable and provides anterior positioning support.

Removable Knee Block

The angle, height and depth adjustable Knee Block is designed to safely secure the user while standing and optionally offers 2″ of independent height and depth adjustability to accommodate asymmetries.

Pelvic Belt

The center-pull, push button adjustable Lap Belt is flat mounted and provides anterior pelvic support.

Forward-locking Suspension System

Motion Concepts' Forward-locking Suspension System offers additional stability and safety by loading the front suspension arms as the standing function is engaged. When system is not in a standing position the ROVI A3's ARC suspension is fully functioning for maximum performance and climbing capability.

OnTraxx Enhanced Driving Module

This standard feature on the MPS System decreases the number of user driver control commands and maintains the wheelchair on its intended course when going over uneven or sloping terrain.

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Function

From sit to stand the MPS' ESR Extended Shear Reduction and foot platform are synchronized to provide a smooth transition with minimal shear.

Seat depth is adjusted at the rear of the system to maintain a consistent relationship between the body's natural pivots at the user's knees and feet for a smooth standing motion.

Motion Concepts' positioning accessories and a full line of award-winning Invacare® Matrx seating products meet the unique needs of our clients small or large.

The Maxx Style Ultra Track allows for mounting of lateral thoracic supports and other positioning accessories.

The Maxx Style Ultra Rail offers a slotted design for mounting of positioning accessories such as lateral, knee or hip supports for additional support and stability.

The Active Ride Control (ARC) independent suspension system and powerful 4-pole motors work together to provide superior climbing ability and uncompromising stability with a smooth, powerful ride.

Convenience

The MPS Retractable Knee Block Mount and Storage Bracket allows the Knee Block to be removed and stored on the side of the system when the standing feature is not being used for a clean, uncluttered appearance.

The Chest Bar can also be removed when the standing feature is not being used.

Optional Chest Bar

Maxx Style
Ultra Track

Matrx Seating

Storage Bracket to
Stow Removable
Knee Block

Maxx Style
Ultra Rail

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ROVI A3 Base Specifications

Suspension System	Active Ride Control (ARC)
Base Width	25.5” (65cm)
Base Length	36.5” (93cm)
Drive Wheel Size	14” (35.5cm)
Caster Wheel Size (front/rear)	6” (15cm)
Base only Turning Radius	20.5” (52cm)
Drivetrain	4-pole EAD Motors
Batteries	2 x M34
Battery Charger	8A, Stand Alone
Range [1]	28km (17.7 miles)
Base Weight (inc batteries)	107kg (236lb)
Ground Clearance	3” (7.5cm)
Maximum Speed w/MPS System	9.3kmh (5.8mph)

[1] Actual driving range and speed may vary due to factors such as user weight, type and grade of terrain, battery condition & charge level; type and condition of the drive wheels, and variations in the drive and control systems.

MPS System Features

CG Tilt	45°
Recline with ESR*	165°
Standing	✓
Power Adjustable Seat Height	7”
Power Elevating Belt Drive Center Mount Articulated Foot Platform	✓
Seat Width	Adult: 16”-20” (40.5-50.5cm) Mini: 12”-17” (30-43cm)
Seat Depth	Adult: 16”-20” (40.5-50.5cm) Mini: 12”-17” (30-43cm)
Seat-to-Floor	As low as 18.5” (47cm)
Weight Capacity	Adult: 113kg (250lb) Mini: 90kg (200lb)
MPS System Weight [1]	95kg (210lb)

*ESR Extended Shear Reduction
(1) Actual weight will vary based on seating options selected.

Colour Options

Blizzard White | **Matte Black** | **Solar Yellow** | **Motion Green** | **Original Orange** | **Bright Blue** | **Red Delicious** | **Princess Pink** | **Purple Reign**

Sitting vs Standing

Our bodies have evolved to stand and walk upright. Extended periods in a sitting position can create health issues and places strain on a body.

Sitting:	Standing:
Compromised Respiration	Standing creates a more erect posture which has the effect of **improving lung volume.**
Promotes Contracted Joints	**Improve range of motion** (spine, hips, knees and ankles)
Loss or Limits Motor Skills	Standing **reduces the risk for spasticity** through switching positions and helping loosen up the muscles.
Increases Ischial (hip bone) Pressure	The act of standing **reduces the loss of bone mineral density and the alignment of the hip** during standing helps delay skeletal deformities.
Weight Gain	Standing is weight-bearing and **burns more calories than sitting.**
Increased Pain/discomfort	Standing helps with weight-bearing and moves the body into new positions **reducing the pain of extended immobility.**
Skeletal Deformities	Standing reduces the likelihood of the onset of osteoporosis and **slows the progression of bone density loss.**
Swallowing Problems	Standing can **improve swallowing problems**
Difficulty in accessing surroundings	**Standing can help with access,** such as getting to cupboards or talking at eye level with others
Bowel Function issues	Gravity plays a part in bodily functions and **standing up exercises substantially improve bowel performance.**

Lifestyle Benefits of Standing Wheelchairs

Standing wheelchairs can improve users' physical health, independence, and social life through:

- **Greater education and employment opportunities**
- **Greater independent hygiene**
- **Greater independent meal preparation**
- **Greater independent community activities**
- **Greater improvement in motor skills**
- **Greater access to the environment- i.e., reaching/grasping**

These benefits lead to:

- **Increased Cognition** - improved blood circulation helps with memory and concentration.
- **Less Fatigue** - standing helps work the muscle groups which reduces the chances of atrophy and increased tiredness.
- **Reduced Depression** - having the capability to stand increases the control of the individual and adds to their feelings of control which can help minimise depression.
- **Improved Well-being** - individuals can make eye contact, pose for photos, prepare meals and more.

Checklist for Standing

Please consider the following when prescribing a powered standing system:

- **Can the client tolerate a standing position?**
- **Are there any lower extremity joint limitations?**
- **Are there any concerns about the client's bone integrity?**
- **Are there any concerns about postural hypotension?**
- **Are there any safety concerns for this client in the standing position?**

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3. Janice J Eng, Stephen M Levins, Andrea F Townson, Dianna Mah-Jones, Joy Bremner, Grant Huston, Use of Prolonged Standing for Individuals With Spinal Cord Injuries, Physical Therapy, Volume 81, Issue 8, 1 August 2001, Pages 1392–1399, https://doi.org/10.1093/ptj/81.8.1392 https://academic.oup.com/ptj/article/81/8/1392/2857603
4. Lifetime Care and Support Authority, Guidelines on wheelchair prescription. Supplement 1: Wheelchair features – Standing wheelchair. LTCSA editor, 2012, Sydney. https://www.icare.nsw.gov.au/-/media/0d8bdab48f274aa9a3b068a5eb1ecb23.ashx/
5. RESNA Position on the Application of Wheelchair Standing Devices: 2013 Current State of the Literature https://www.resna.org/sites/default/files/legacy/resources/position-papers/RESNAStandingPositionPaper_Dec2013.pdf

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FOR FURTHER INFORMATION:

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