**SoftWheel - The World’s First In-Wheel Suspension System**

SoftWheel represents cutting-edge wheel engineering & design, features patented technology that puts suspension directly into the wheel.

The unique technology goes into action only when the wheelchair encounters an obstacle or rough terrain, providing a smoother, more energy efficient ride.

SoftWheel technology features:

* **In-Wheel Suspension:** 3 suspension arms and dampers are built inside the wheel and compress to absorb shock
* **Rigid Rim:** the wheel rim is always rigid and strong, while the suspension actuates to provide shock absorption
* **Automatic Actuation:** the suspension arms automatically compress when encountering an obstacle or rough terrain, and the arms remain rigid and strong over flat surfaces
* **Rapid Shock Reset:** suspension arms immediately reset and return the wheelchair – and the rider, to a lever ride
* **360° Suspension:** arms are set equidistant around a central hub to provide shock absorption, no matter the angle of impact of the obstacle

With SoftWheel, fewer vibrations are transferred to the wheelchair frame and to the rider’s body, which can help reduce back pain and increase comfort for the rider. In addition, SoftWheels are more energy efficient and help preserve forward momentum, thereby improving the riding experience and can also reduce fatigue.

SoftWheel is available to fit most standard wheelchairs, and features a quick release/attachment axle pin.

SoftWheel represents a significant innovation to one of the oldest motion devices in the world.