Technology that's driving the future of transportation
At the center of Y-Wheel's technology is an innovative in-wheel suspension system that improves a vehicle's performance.

The patented technology can be adapted to several personal mobility applications, providing unique benefits for each.

Our technology is currently driving innovation in the automotive, bicycle, and wheelchair sectors
Rigid Rim
The wheel rim is always rigid & strong, while the suspension arms & hub compress to provide shock absorption - and immediately reset to return the rider to a level ride.

Reduces Vibration
MATERIAL & SPECIFICATION

List Price (wheel kit with tire, tube & pushrim only)
Colours Black
Sizes 24” (540mm)
Weight 1.9 kg or 4.12 lb per wheel
Suspension Selective Symmetric Suspension
Rim AL 6061 T6; Proprietary triple-walled design (PSG DB)
Hub AL 6061 T6; High precision CNC (PSG DB)
Handrim Handrim – 6 point Riv - Nut Configuration (515 BCD)
Bearings Industrial sealed cartridge ball bearing
Axle 1/2 inch or 12mm
Load limit 130 kg or 287 lb per pair.

WORKING
This model of working is based on the reduction of vibration by using aluminium mode of manufacturing.
By using Helical spring can be used in the axle in crank lever.

In order to reduce damping vibrations show much similarities as compared to normal bicycle wheel.

This innovative wheel is based on avoiding vibrations only.

ADVANTAGES
● As per the assumption low vibration
● Low cost production