

# Automated Warehouse Solutions

Wheels for AGVS, AS/RS, and Beyond

Specifically designed for today's changing warehouse conditions.

- Zero TIR technology to reduce error
- Reduced vibration
- Zero flat spotting
- Low rolling resistance
- Excellent heat dissipation
- Non-marking and reduce concrete wear



**Stellana**

# Wheels for AGVS, AS/RS, and Beyond

Stellana's wheels are engineered and manufactured to tight tolerance specifications that include a precise +/- .005 TIR (total indicator runout). This ensures that every wheel is perfectly round and smooth, eliminating error in the control system so that the equipment's exact location will be accurately reported and easily identified, reducing the need for frequent calibration.

Our wheels were made for continuous duty. Whether the equipment is following a predetermined route or making realtime decisions, Stellana wheels are made to excel in a range of unique automated warehouse environments!

## Recommended Load

(3 mph, 8x4 in. wheel)



Stellana AGV materials carry high loads at high speed, yet retain the positive attributes of low durometer materials.

## Your Wheel Solution

Polyurethane is a versatile, non-marking material that will keep floors clean and the equipment running with accuracy! Stellana's AGV wheels are designed for continuous duty under a variety of conditions. Our wheels are chemically bonded to fight the wear associated with the harshest conditions and the stress caused by high load and high-speed operations.

Stellana's zero TIR technology reduces vibration to provide a stable, quiet ride at all speeds. With a +/- .005 TIR, our products minimize the wobble that wheels can experience when navigating along channels and rails. Stellana offers a variety of sizes, profiles, and hardnesses ranging from 70 to 95 durometer.

Our ability to customize and engineer a polyurethane solution for each specific end use ensures our wheels will outperform the equipment's standard wheels. Reduced error buildup and down time will lessen the need for calibration and service. Selecting the right wheel for the individual AGV, AMR, or ASRS will increase the overall ROI from implementing automated technologies.

### Material AGV 70

#### Durometer

- 70 Shore A



#### Applications

- Hospital
- Commercials
- Institutional
- Cold Storage

#### Attributes

- Quiet running and low vibration.
- Superior braking, steering and traction.
- Protects flooring and sensitive equipment.
- Reduces concrete and tile wear.

### Material AGV 85

#### Durometer

- 85 Shore A



#### Applications

- General Industry
- Automation Systems
- Material Handling

#### Attributes

- High load and speed capacity.
- Quiet running and low vibration.
- Excellent braking, steering and traction.
- Protects flooring and sensitive equipment.
- Reduces concrete wear.

### Material AGV 92

#### Durometer

- 92 Shore A



#### Applications

- Very Heavy Load
- Very High Speed

#### Attributes

- Excellent load and speed capacity.
- Good traction.
- Good steering and braking.

### Material AGV 95

#### Durometer

- 95 Shore A



#### Applications

- Toughest Applications
- Construction
- Racking Systems

#### Attributes

- Superior load and speed capacity.
- Rough floors and racking system expansion joints.