

SERVO MOTOR SOLUTIONS FOR  
**AUTONOMOUS  
GUIDED  
VEHICLES**

**COMPLETE SOLUTION**

Our Motion Control group excels at designing AGV motors and drive systems that offer innovative technology along with long-lasting quality for payloads of 400-600kg. We have designed customized AGV solutions for some of the biggest names in distribution. You can depend on our products to provide the energy efficiency, dependability and longevity you require.

## FLEXIBILITY FOR YOU

We offer both platform and custom AGV solutions. In addition to our existing designs, we're happy to develop a custom solution tailored to your application requirements e.g., a wheel and motor combination, which gives the AGV designer more flexibility in terms of space usage.

You will benefit from our years of experience, our highly skilled staff and our comprehensive service catalog.

Please contact us for more information.

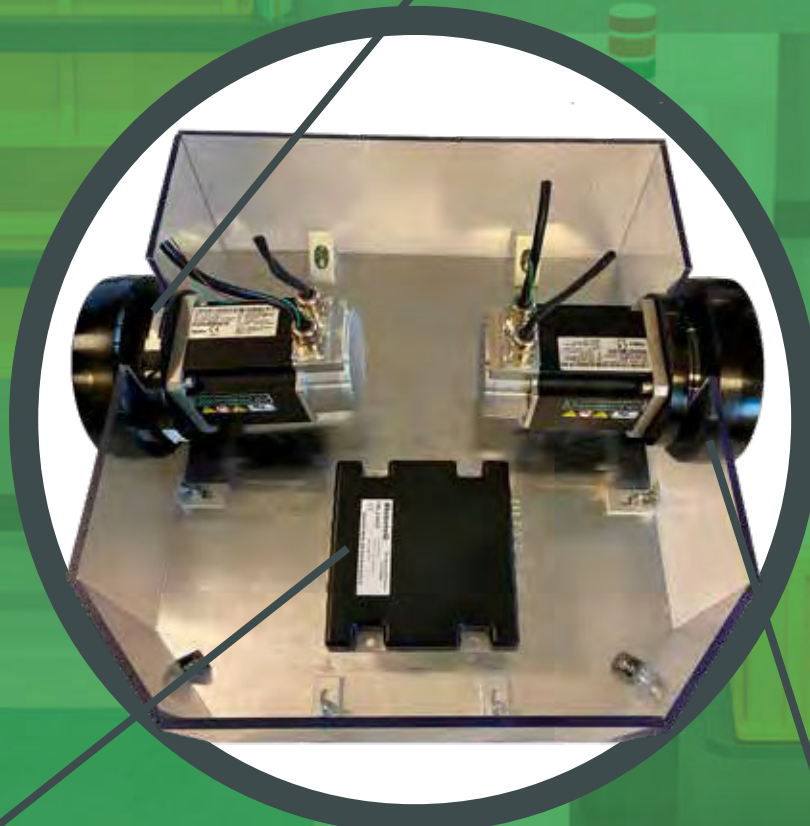


## FULL CONTROL

AGV's need two motors to move and steer. We can make this work with a single controller. Compared to the traditional One Motor/One Controller approach, the Dual Channel is simpler, cheaper, safer and easier to integrate and maintain. Two controllers can even team up to drive 4 motors with Mecanum wheels to move Omnidirectional Robots.



With our direct mounting designs, the need for other mechanical parts is reduced along with the setup time.



Both motors are supplied fitted with industry standard AGV wheels. (156.4mm diameter)



## ORDERING CODES - For complete AGV solutions

**AGV089A01** 2.7m/s Unbraked version

**AGV089A02** 2.7m/s Braked version

**AGV089A03** 1.35m/s Unbraked version

**AGV089A04** 1.35m/s Braked version

*Designed for applications with a loads up to 600kg and speeds up to 6m/s*

### Ideal for these applications:



- AGV's
- Small Electric Vehicles
- Terrestrial and Underwater Robotic Vehicles
- Hazardous Material Handling Robots
- Balancing Robots



Complete AGV solutions contain:  
2 x 089LDA... motors  
(inc. VRLZ090 gearbox + AGV wheel)  
1 x Dual channel drive  
1 x Drive control cable

For the complete solution specifications please visit [www.nidecmotion.com](http://www.nidecmotion.com) or **contact us**.



**Nidec Motion Control is your servo motor specialist.** With facilities in over 70 countries, we're open for business wherever you are in the world.

For more information visit  
**[www.nidecmotion.com](http://www.nidecmotion.com)**



***Nidec***  
**MOTION CONTROL**

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