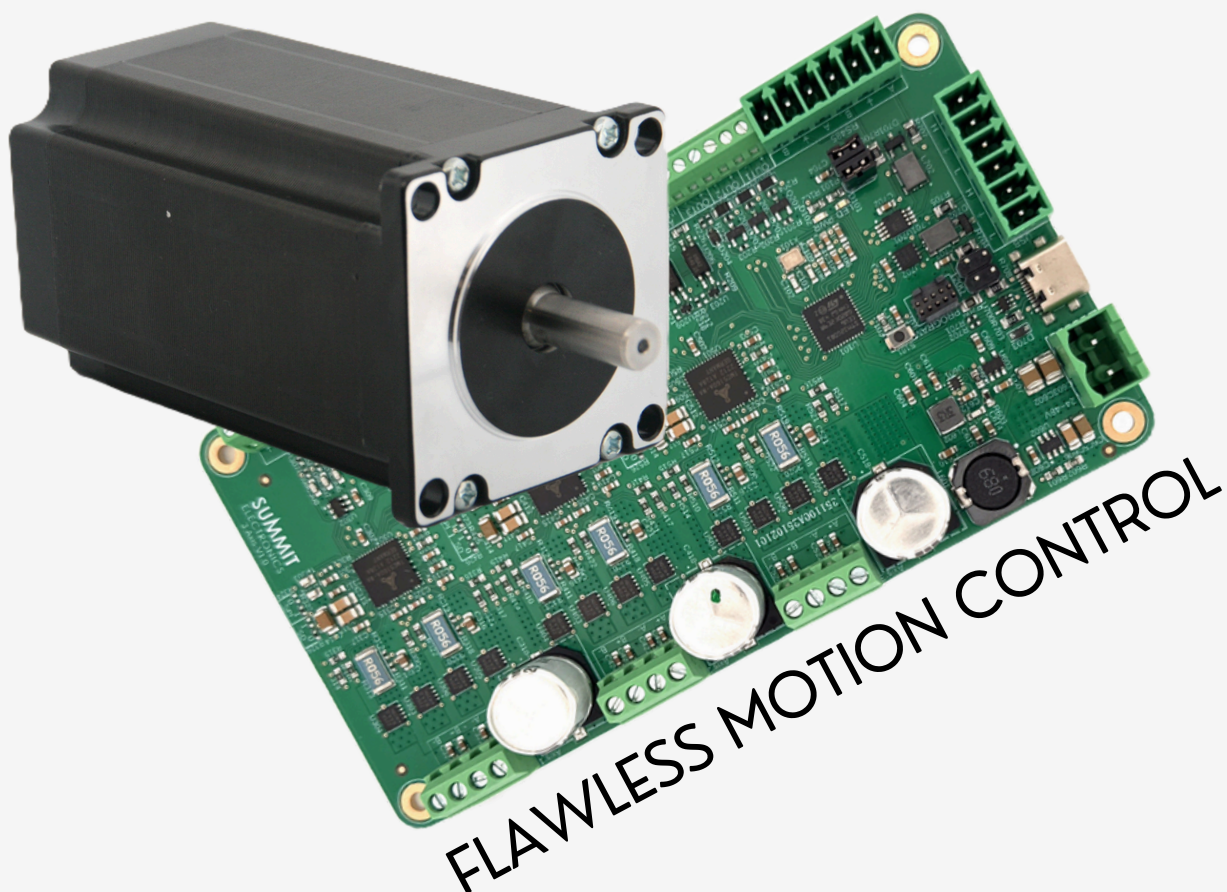




Atlas

Motion by Summit Electronics



SUMMIT
ELECTRONICS

[CHECK OUR
PRODUCT VIDEO HERE](#)

SUMMIT ELECTRONICS

▶ ABOUT SUMMIT ELECTRONICS

We recognize that the development of motion application can be complicated. We are the foundation of all innovation. Summit Electronics is a young, knowledgeable, entrepreneurial manufacturer specialized in electronic components. We have all the essentials covered like IoT, antennas and modules, motors, controllers, Cable assemblies, connectors, and all the components you need for successful innovation.



350 DRIVEN EMPLOYEES
WORLDWIDE



HQ THE NETHERLANDS
ROTTERDAM



ALWAYS A PRODUCT IDEAL
FOR YOUR PROJECT
+ CUSTOM ADVICE

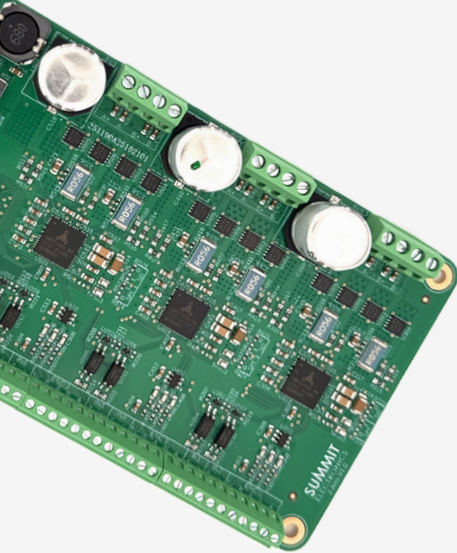


WHAT WE OFFER

We offer you the ultimate, compact "Smart Actuator" for motion control. The compact Atlas Control Step 1 and Step 3 stepper Motor Controller & Driver Boards and Atlas Engine series Stepper Motors based on an engine independent system. With a true Dutch design and the ADI Trinamic technology inside, you get real quality. And this for a fair price and short lead-time!

All Basics for Innovation...

Chris Derksen



DUTCH DESIGN...

WITH ADI TRINAMIC INSIDE

ATLAS CONTROL STEP 1

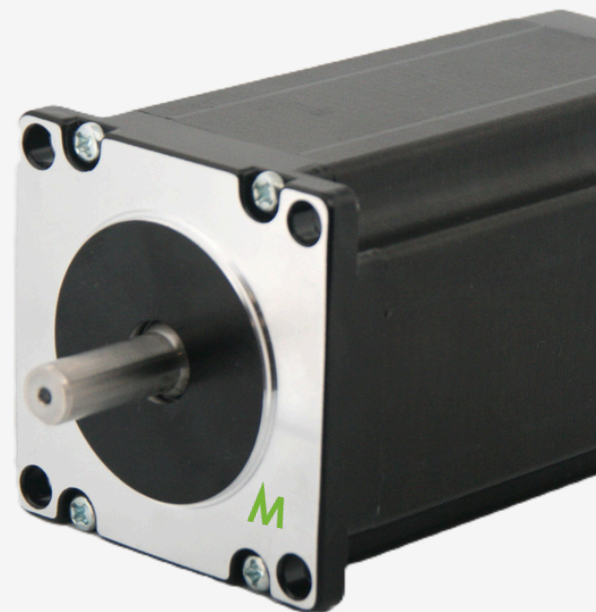
Looking for flawless motion control without the complexity? Whether you are building a linear actuator, dosing system or automating a precise desktop robotics project, our Atlas Control Step 1 Board delivers the exact control, reliability, and smooth performance you need. Designed for professionals, engineers, and creators alike, this compact powerhouse brings you world-class Dutch design for a fair price, turning complex motion commands into effortless, whisper-quiet execution. Ideally combined with our Atlas series Stepper Motor.

ATLAS CONTROL STEP 3

Take your Industrial, Medical or robotics project to the next level. If you are building a 3D printer, medicine dispenser or a custom packing machine: our Atlas series Step 3 Stepper Motor Controller Board provides the synchronized, high-precision control your hardware demands. This all comes from a single, streamlined board. Stop juggling multiple individual drivers and unnecessary wiring. This heavy-duty, all-in-one solution delivers Dutch design for an unbeatable value, quality engineering, and state-of-the-art ADI Trinamic technology. Ideally combined with our Atlas Engine stepper motor series.

ATLAS ENGINE NEMA 11 & NEMA 14

Take your automation or robotics project to the next level. If you are building a 3D printer, a desktop laser engraver, or a custom 3-axis CNC milling machine: our Atlas Engine provides the synchronized, high-precision mechanical force your hardware demands. Stop worrying about mismatched motors or choppy transitions. Combining premium engineering, unbeatable value, and full optimization. Ideally combined with our Atlas Control step 1 or Atlas Control step 3 for the best performance, but these motors work with any stepper controller.



OUR ASSORTMENT...

SUMMIT MOTION ATLAS SERIES

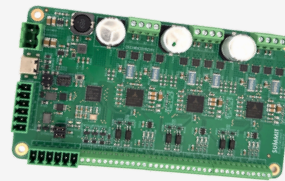
ATLAS CONTROL STEP 1

Rated Voltage: 9- 24V DC
Rated Current: 2.5A
Microprocessor: STM32
Cortex M0
Sensors: Hall Sensor
Interfaces: CAN
STEP
DIR
Encoder input
SWD input



ATLAS CONTROL STEP 3

Rated Voltage: 24 - 48V DC
Rated Current: 3.5A per axis
Microprocessor: STM32
Cortex M0
Interfaces: CAN
STEP
DIR
Encoder input
SWD input



ATLAS ENGINE NEMA 17

Encoder: Optionally
MM Size: 42 mm
Length: 34-60 mm
Holding Torque: -0.8 Nm
Step Angle: 1.8
Lead Wire: 4
Step Angle Acc: 5%
Temperature rise: 80
Ambient Temp: -20°C - 50°C



ATLAS ENGINE NEMA 23

Encoder: Optionally
MM Size: 57 mm
Length: 41-112
Holding Torque: -2.8 Nm
Step Angle: 1.8
Lead Wire: 4
Step Angle Acc: 5%
Temperature rise: 80
Ambient Temp: -20°C - 50°C





TAKES MOTION CONTROL TO THE NEXT LEVEL...

- ✔ ADI Trinamic technology inside including CoolStep™, Micro-Stepping™, StealthChop™ and StallGuard™.
- ✔ Flexible connectivity including CAN bus, RS485, and USB.
- ✔ Our Controller Boards have a wide 9-24 V - 24-48V DC input range, allowing you to power an extensive lineup of Atlas Engine stepper motors.
- ✔ Engine independent system.
- ✔ Space-saving design.
- ✔ Effortless extension: just daisy-chain an extra Atlas Step 1 or Step 3 board.



[MORE INFORMATION](#)