

# Meet Studica Robotics!

Studica Robotics is a comprehensive robotics building platform ideal for education, training, and robotics competitions. Find everything you need to build, learn, and compete.

- **Easy to Use & Compatible:**

All components work easily together. No need for a machine shop or special equipment. Our unique design pattern makes it easy to connect the structure, sprockets, motors, and gears.

- **Durable, Strong & Safe:**

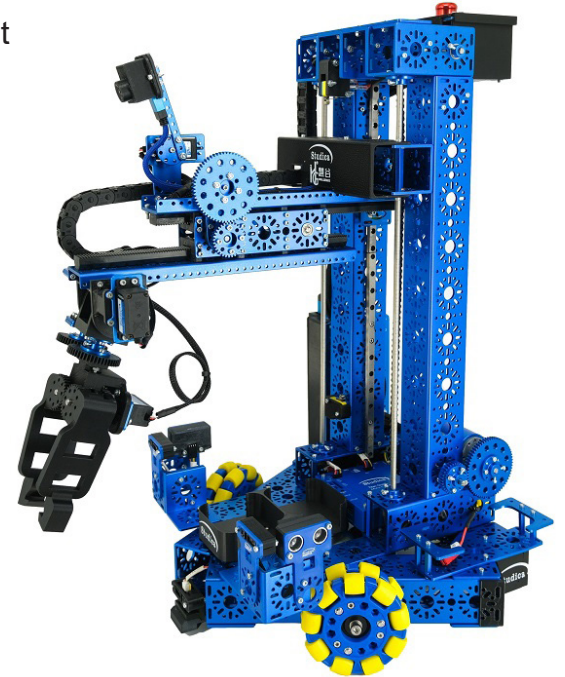
Our channel components are 3mm thick 6061-T6 aluminum structure that is deburred, polished, and blue anodized, making your robot or automation project strong, safe, and stand out against the rest.

- **Robotics Resources:**

[STEP 3D files](#) are available for each part making it easy to design your robot in Fusion 360, Solidworks, Inventor or Creo at [www.studica.com/studica-robotics-3d-cad-files](http://www.studica.com/studica-robotics-3d-cad-files)

[Training Videos](http://www.youtube.com/StudicaRobotics) at [www.youtube.com/StudicaRobotics](http://www.youtube.com/StudicaRobotics)

[Robotics Articles](http://www.blog.studica.com/category/robotics) at [www.blog.studica.com/category/robotics](http://www.blog.studica.com/category/robotics)



Explore a wide variety of affordable robot parts, robotics kits, and cutting-edge electronics. Our durable structure components are easy to assemble and connect to our wide range of motion components. From controllers to sensors to motion components including wheels, motors, and actuators, you'll find the components you need to empower your robot.

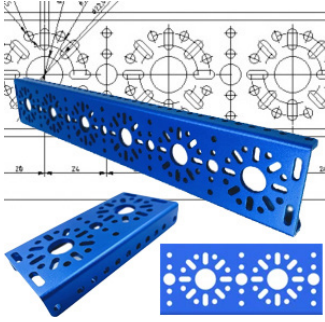
With a reputation for technical expertise, Studica Robotics is an innovator committed to supporting the needs of the education and robotics competition communities. We are committed to innovation and excellence, as evidenced by our partnership with WorldSkills and serving as the exclusive supplier of robotics components for the Autonomous Mobile Robotics Competition in over fifty countries.



**Studica**  
ROBOTICS

Discover your true building potential with Studica Robotics!  
[www.studica.com/robots](http://www.studica.com/robots)

# Studica Robotics Building System



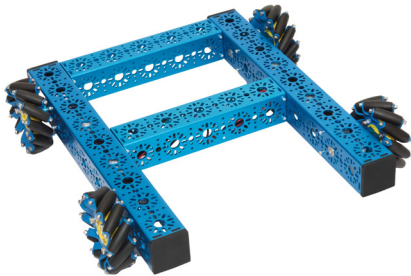
## Structural Elements

Our channel components are 3mm thick 6061-T6 aluminum that is deburred and polished. Components work easily together. The unique design pattern makes it easy to connect the structure, sprockets, motors, and gears. A large center hole makes it possible to integrate flange bearings to provide the ultimate support of shafts and motors.

Structure components for robotics include a large variety of beams, flats, and brackets to allow you to build at multiple angles for unique chassis and mechanisms. A multitude of mounting options for servos and DC motors mounts are available as well as gears, sprockets, pulleys, and chains.

## Motion Components

Discover a wide range of motion components including servomotors, motors, linear actuators, belts, chains, bushings, bearings, collars, couplings, pulleys, shock absorbers, slides, rack & pinion, sprockets, and hub solutions. You'll also find a wide variety of robot wheels including mecanum wheels, omni wheels, compliant wheels, flex wheels, drive wheels, standard wheels, and all-terrain tires.



## ONE Kit: Everything Needed to Build a Mecanum Chassis

The FTC Drive Base Kit - v2 is the perfect solution for your next drivetrain. Studica Robotics offers a drive base kit that includes all the materials you need to create a mecanum chassis. Our innovative slim mecanum wheels have bearings on all rollers that provide better acceleration due to their lighter weight.

This complete drivetrain kit includes a wide variety of components including 4 NeveRest Orbital 20 Gearmotors with encoder cables, the new Clamping Shaft Hubs, 4 bumpers and complete hardware to complete the mecanum chassis.

## Starter Kit for Robot Competitions

The Studica Robotics FTC Starter Kit (2023-2024) is a comprehensive robotics kit that features a variety of products that allow for a competitive robot to be built. This set is ideal for teams that are looking to get started with FTC. It includes U-channel, flat beams, square beams, brackets, electronics, and accessories. Students can use components from the Starter Kit to build a robot of their own design.



Need More Info? Email: [info@studica.com](mailto:info@studica.com)



Build Better Robots®  
[www.studica.com/robots](http://www.studica.com/robots)