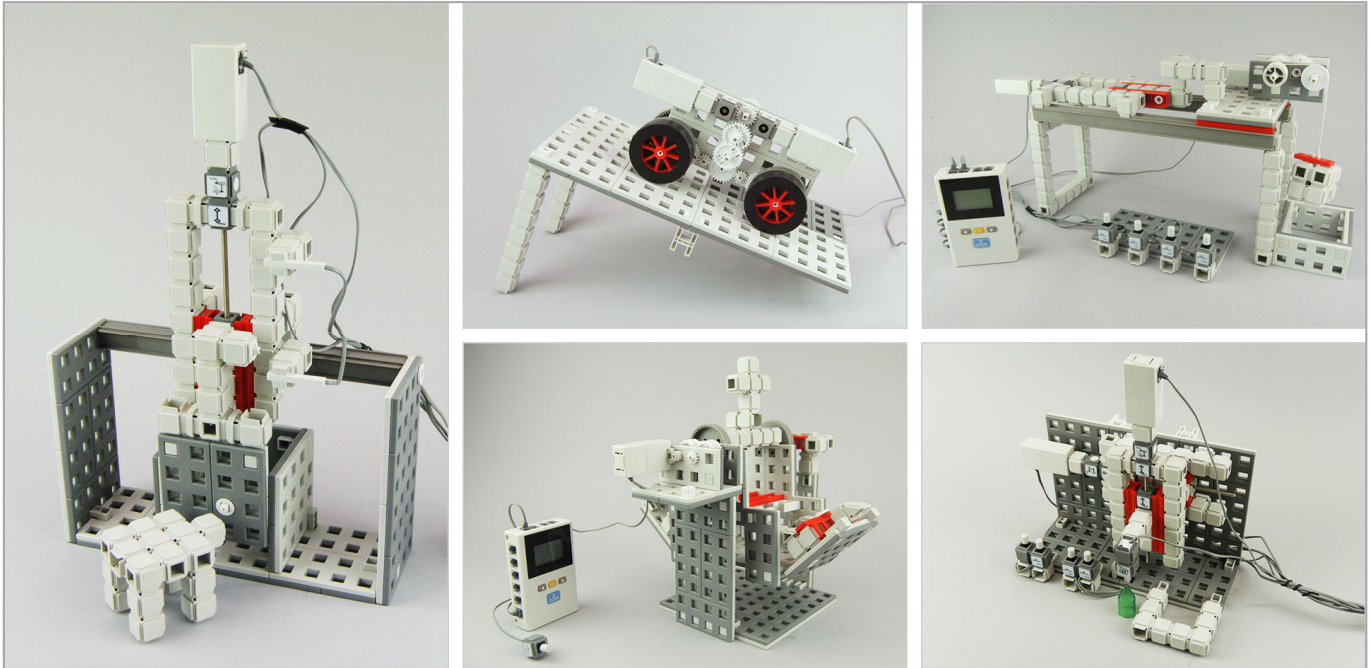


# Product Information Sheet

## Engineering Construction Kit



The Engineering Construction Kit is a classroom-based resource for investigating designing, building and programming robotic and automated machinery in a range of areas of technology. These areas include engineering design, agricultural technology, medical technology, mechatronics, industrial robotics, mobile robotics and transportation technology.

The Engineering Construction Kit includes simple, yet sophisticated, programming software to allow students to design flowchart programs to bring their models to life

The Engineering Construction Kit is used within our Design and Technology program to help students develop solutions to a range of practical real-world problem-solving tasks and activities within a classroom or lab environment.

### Features:

- Unique 3D cube-based construction kit
- A sophisticated programmable control unit with 12 input/output ports and 4 DC motor ports
- A wide range of sensors, motors and actuators
- Flowchart-based programming software
- Curriculum-based learning content

### Typical Project Activities Include:

- Design a railroad crossing control system
- Design a medical scanning system
- Design a fairground ride
- Design automated agricultural machines
- Design a container crane
- Design semi-automated vehicles
- Design mobile robots
- Design industrial machines and robotic systems

### Items Included:

- Construction Kit
- Sensors and Motors
- Programmable Controller
- Programming Software
- Curriculum-Based Learning Content

### Other Items Required:

- Computer

### General Information:

Power Requirements: 110 – 240V 50-60Hz  
Kit Dimensions: 470 x 354 x 234 mm (WxHxD) per kit  
Packed Volume: Approx. 0.05 m<sup>3</sup> per kit  
Packed Weight: Approx. 5 kg per kit

**Order Code: 220-01**

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