Project

Motion	Alignment	Picking system	Delivery system
Wheels	Sensors	Picking arm	Positioning
Body	Lever arm switches	Ball holder	Counter weights
Motors	Rotation counts		Extension rails
Navigation			

Wheels

Mechanum Wheels

[4WD 100mm Mecanum Wheel.mp4]

Wheels

Omnidirectional wheels

4WD OMNI WHEEL MOBILE.mp4

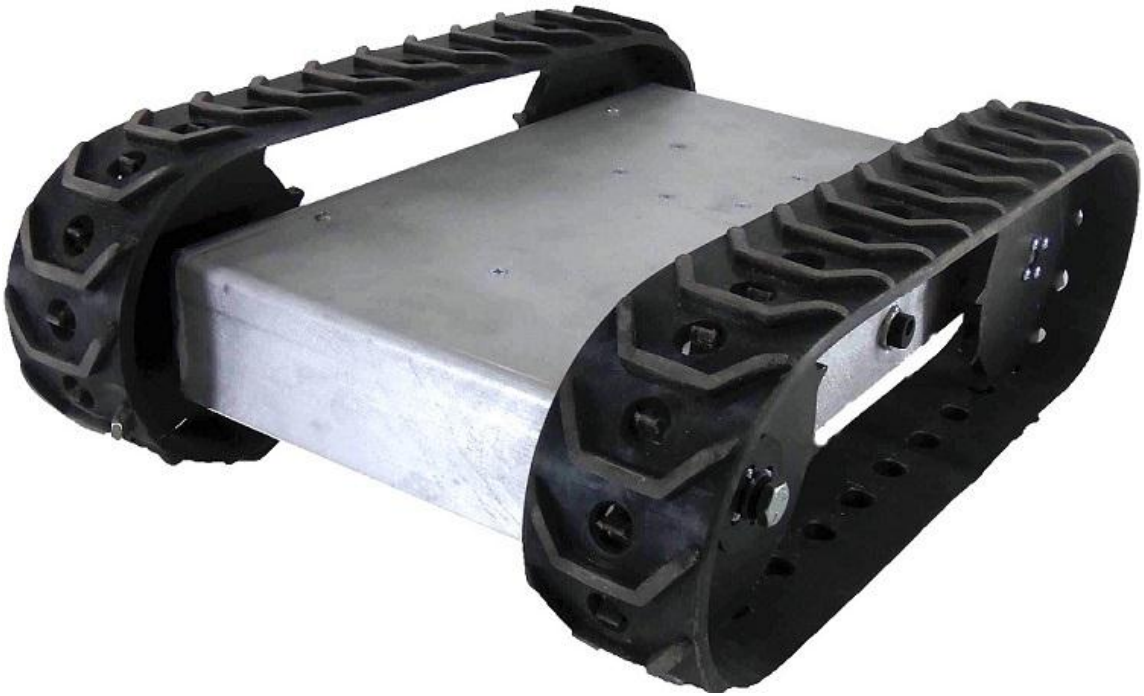
Wheels

Flat wheels

Caster wheels

Wheels

Track sets



Body

Wheels inside frame

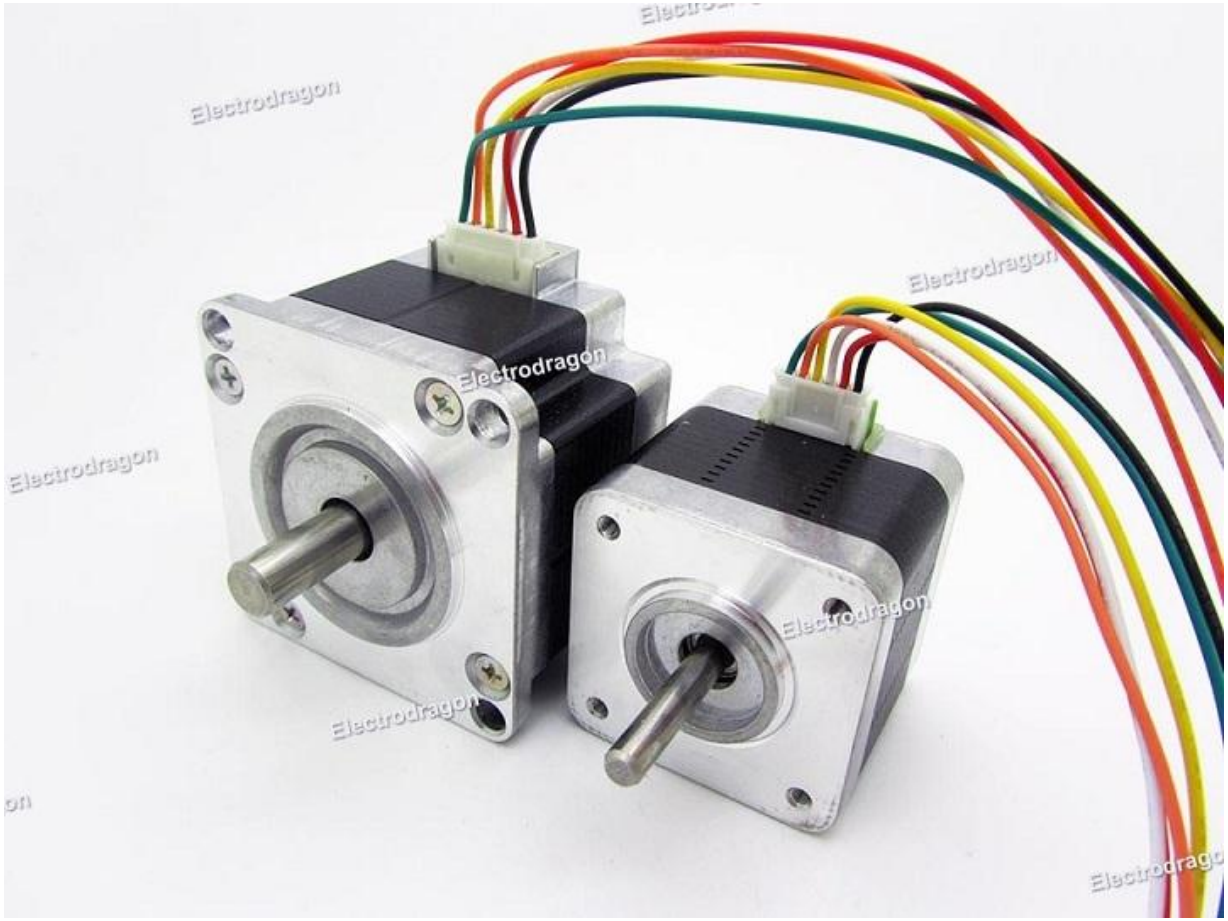
Wheels outside

Motors

Encoder motors

Motors

Stepper motor



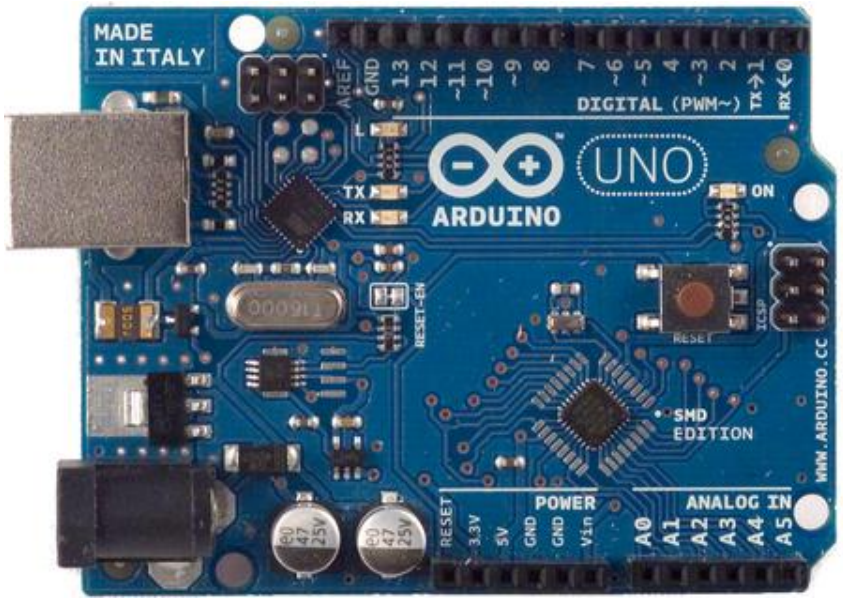
Motors

Dc motor

Navigation

Programmed module controlled

- Arduino Board



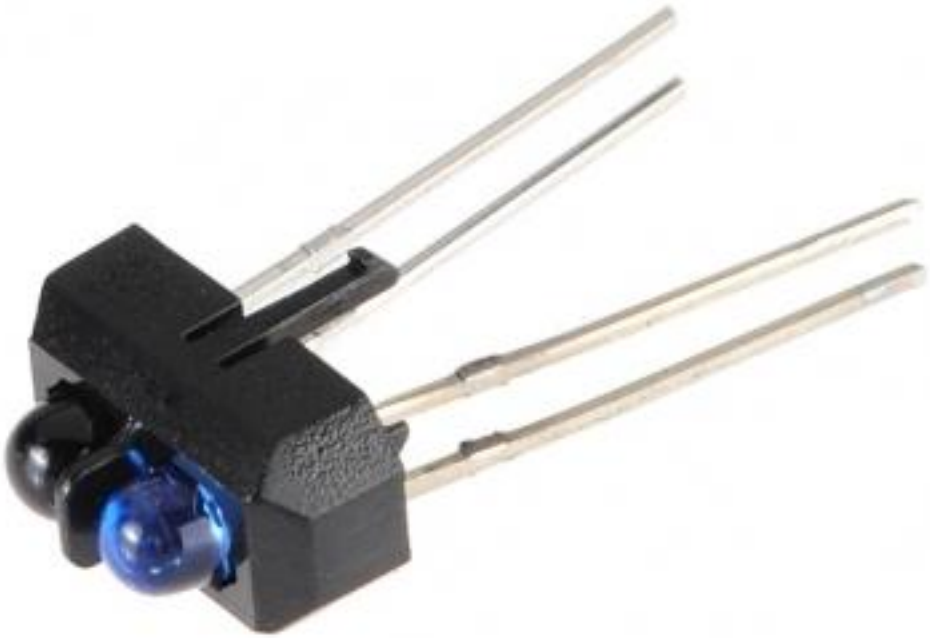
Elabtronics

51 Byron Place,
Adelaide, South
Australia

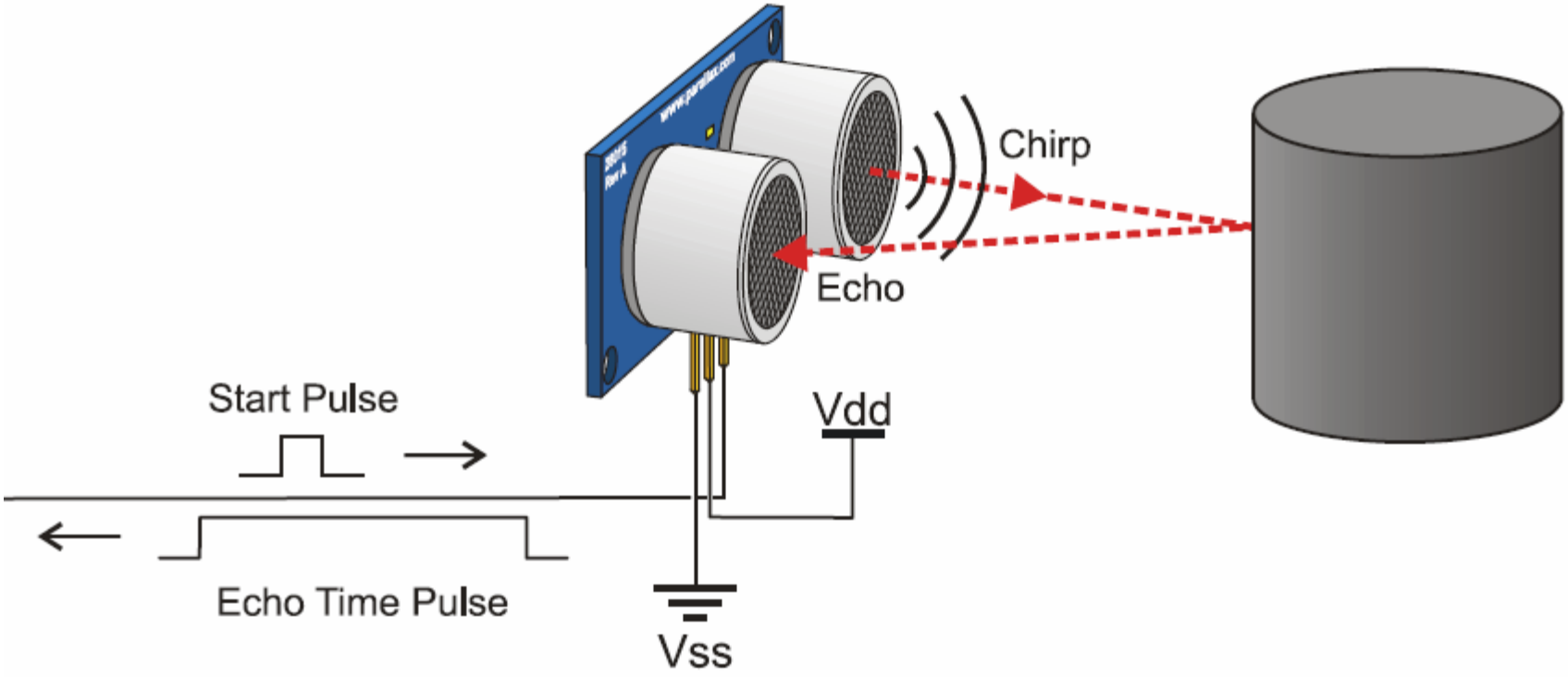
Sensors

Ultrasonic sensors

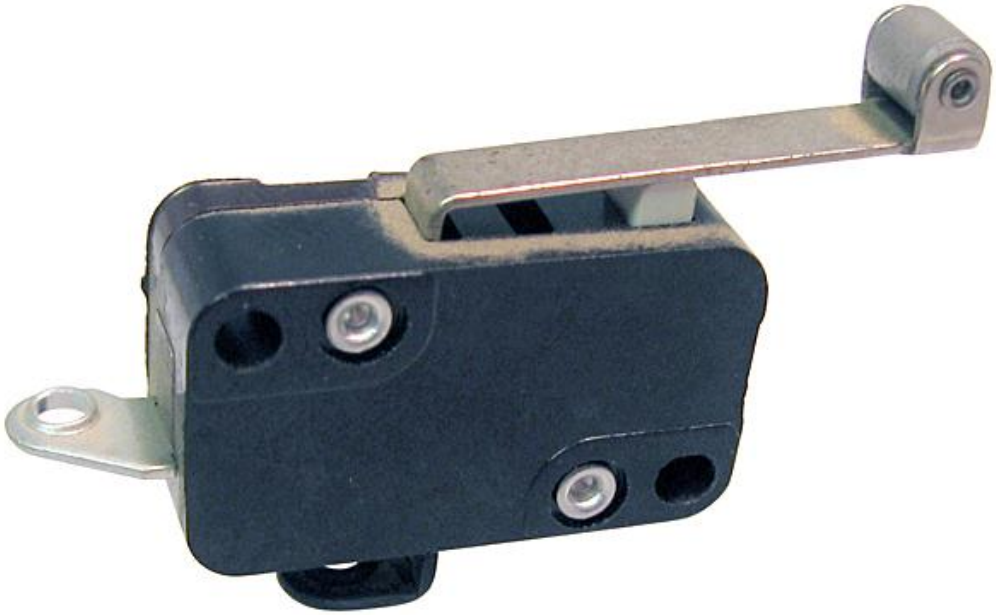
Light Sensors



Sensors



Lever arm switches



Rotation counts

Encoder and stepper motors

- Easy to program and control

- Slippage of wheels
- Accuracy in counting rotations for encoder motors