ADVANCING
INDUSTRIAL ROBOTICS
EDUCATION

Embrace the future of industrial robotics education with the Astorino. A unique and remarkably affordable educational robot for North American industrial/technical education providers.

Kawasaki
Robotics

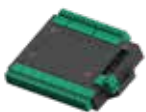# 6 DEGREES OF FREEDOM
EDUCATION ROBOT

The ASTORINO, a 1kg 6-axis robot, with a structure and programming environment almost identical to that of a Kawasaki industrial robot. This interactive learning approach prepares students for real-world application environments while sparking their interest in the field.

Astorino | General Features

- **3D printed robot construction (PET-G filament)**
- **Training materials & manuals for teachers**
- **Complete control system (with a microcontroller)**
- **Dedicated software for control, visualisation and robot programming**
- **E-stop (24V)**
- **USB / Ethernet communication**
- **Modbus TCP protocol**
- **8 I/O 3.3V module**
- **24V power supply**
- **Brakes for 2nd and 3rd axis**
- **Accelerometer for collision detection**
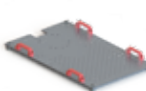- **STL files for parts reprint**

Astorino | Add Ons

24V IO Module
8 Inputs + 8 Ouputs. PNP.

Teach Pendant
Touch Screen, 3m Cable

2-jaw Gripper
Gripper, fingers, valve Air lines, IO Cable, Arm IO box.
Requires air compressor (not included)

Pre-Drilled Robot Plate
180 mounting holes

Cube Feeder Station
6 Cubes, Photo Sensor, Valve, Piston
Requires air compressor (not included)

Magnetic Gripper
20N Holding force, IO Cable, Arm IO box.

Electric Gripper
8-20N Holding Force, Fingers, IO Cable, Arm IO box

Vacuum Gripper
5N Holding Force, Cup, Valve, Air lines, IO Cable
Requires air compressor (not included)

A heavy duty, 3L air compressor can be purchased separately.