



# 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.

# 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 Outputs. PNP.  
*Included in order*



**Teach Pendant**  
Touch Screen, 3m Cable  
*Included in order*



**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, less than \$100 investment.*