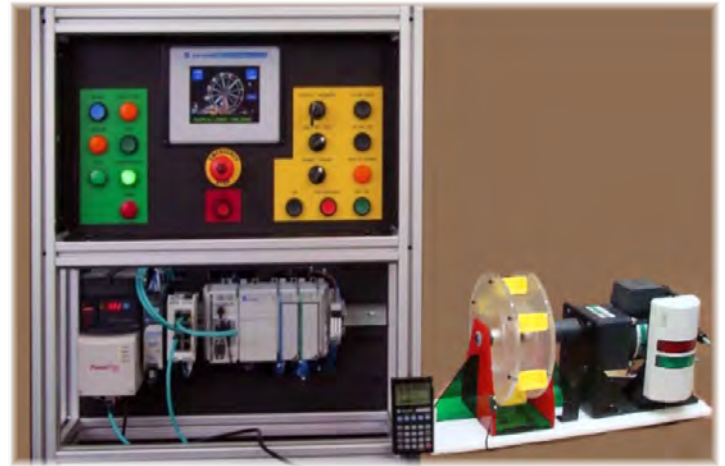# Automation Ferris Wheel Workstation (Level 1)

The workstation is designed to show automation hardware and demonstrate basic automation concepts. It will help you answer the questions, "What is automation?" The unit comes pre-programmed and ready to use with minimal setup (plug in and turn on). You can observe and operate the fully functioning unit. Experiences users may enjoy programming their own projects.

Automation Workstation
- Width: 25 in (64 cm)
- Height: 28 in (71 cm)
- Depth: 18 in (46 cm)
- Estimated Weight: 90 lbs. (41 kg)

Ferris Wheel Assembly
- Width: 20 in (51 cm)
- Height: 9.5 in (24 cm)
- Depth: 8 in (20 cm)
- Estimated Weight: 20 lbs. (9kg)

Rockwell Automation

Industrial Recognized Credentials Achieved:
Allen Bradley's PLC's - Intro to Automation
Allen Bradley's PLC's - AC/DC Drives

Ferris Wheel Workstation Major Components Included:

Network Hardware: (1) 1783-US8T 8-port unmanaged Ethernet switch - 5 Ethernet cables

Control Hardware: (1) 24V power supply, (1) 1769-PA2 power supply, (1) CompactLogix controller, (1) 1769-IQ16 DC input module, (1) 1769 OB16 DC output module, (1) PowerFlex 40P AC drive with remote HIM

Operator Interface Panel: (1) illuminated E-stop, (7) pushbuttons, (5) pilot lights, (1) dual pushbutton/pilot light, (1) 3-position switch, (2) 2-position switches (1 with key), PanelView Plus 600 color terminal

Ferris Wheel Assembly: (1) plastic Ferris wheel with 6 seats, (1) 230V motor, (1) encoder, (1) photo-eye, (1) 2-color stack light, (1) plastic safety cube to cover the Ferris wheel assembly

Supporting Allen Bradley/Rockwell Automation Curriculum:

Instructor Curriculum & Lab Books:
- Introduction to Automation
- AC and DC Drives

Student Curriculum & Lab Books (per student)
- Introduction to Automation
- AC and DC Drives