EduCart™
Fenceless Robotic Training Platform

Key Benefits
Teach robotics with the same industrial equipment used in factories
Comes as a complete, modular package ready to use with your curriculum
Designed to work safely without the need for physical fence
Highly portable unit folds to fit through a standard doorway and expands to increase work envelope

Applications
Training
STEM Programs

• Pre-engineered, Industry 4.0-ready solution is ideal for classrooms, labs, training centers and manufacturing/mechatronic programs.
• Lightweight extruded aluminum cart comes fully equipped with a suite of industrial grade academic tools to meet the requirements of secondary and post-secondary educational programs.
• Fenceless design folds for transport and expands to provide an increased work envelope.
• Six-axis GP8 robot with YRC1000 micro controller offers reliable, industrial performance for training.
• Platform includes a suite of basic educational software and controller I/O software options tailored for teaching/learning environments.
• Includes a quiet Schunk electric gripper with 3D printed fingers.
• Fold-up tabletop and fold-in windows allow the cart to easily fit through a standard 36” doorway.
• Replaceable magnetic teaching mat provides virtually unlimited curriculum options, including palletizing and path following. Source files to create customized mats included.
• Integrated laser safety scanner offers 270 degrees of unobstructed coverage for a safe working zone.
• Robot play speed is limited to 25% for safety.
• Plexiglass guard provides additional safety from rear. Must be placed within 2” of wall for safety.
• Adjustable leveling casters allow for easy transportation and stable deployment.
• Dry-erase table top provides convenient marking/writing surface.
• Includes the following teaching aids; blocks, nest, TCP and robot pointer, and XYZ frame reference.
• Comes with YRC1000 standard teach pendant for programming, I/O control and monitoring.
**Optional Equipment**

- Vision kit – Cognex In-Sight® Micro camera and Yaskawa Motoman’s Pendant Vision application software. View images and receive information about camera status. Integrates communication directly into the robot programming language.

**Electrical Requirements**

- 110V; no additional power supply is required

**NOTE:** Educational sales will be handled exclusively through Inteltek.