

Triad Technologies is pleased to offer collaborative robot kits to assist in our customer's applications and provide value-added solutions. Triad's kits are pre-configured to include all necessary components and accessories for customer applications.

## THE BENEFITS OF A TRIAD COLLABORATIVE ROBOT KIT INCLUDE:

- Configuration of kit automation devices to interface with robot
- One day of on-site support for install and application enhancement
- Standard connection cables and mounting hardware (where applicable)



## Triad Pneumatic Parallel Kit TAG-AI05-PP02-KIT

### AUBO-i5 Collaborative Robot System

- 5kg (11 lb) payload, 924mm (2.96 feet) reach collaborative robot, teach pendant, control box
- Access to AUBO Community Forum- includes basic use, I/O, programming instructions, application solutions, user manuals, reference guides, software updates, and more. Users can post questions and receive feedback from the community

### Standard Pedestal

- Allows for robot to be quickly moved into place and leveled with the floor
- Includes leveling feet and mounting flanges for bolt-down operation

### Pneumatic Parallel Gripper

- Variable stroke length fits many part sizes
- Can be re-adjusted for additional applications
- Requires compressed air

### Safety Area Scanner

- Allows robot to trigger a "reduced mode" internally when a person or foreign object is in the robot's working area. Programmable for customer specific applications

### On-Site Support & Training

- Device configuration, overview of robot system, motion instruction, and IO monitoring

### All Necessary Cabling & Mounting (where applicable)

- Standard cabling and mounting for Triad-supplied collaborative robot kits are provided



*This kit is a baseline of what we offer and can be catered to your specific application as necessary.  
A variation of this kit is available with the AUBO-i10 robot; 10kg payload, 1035mm reach.*

# WHY CHOOSE A COLLABORATIVE ROBOT KIT?

## MAXIMIZED PRODUCTIVITY

Our kits can operate at full speed when no worker is present and switch to collaborative operation with reduced speed when a worker enters the area<sup>1</sup>. Technology in our kits negates the need for industrial guarding in your applications<sup>2</sup>. Thus, providing customers with the safety benefits of collaborative robotics while maximizing productivity.

<sup>1</sup> A safety audit is required for all robotic kit installations

<sup>2</sup> Pending an approved safety audit

## MINIMAL DOWNTIME

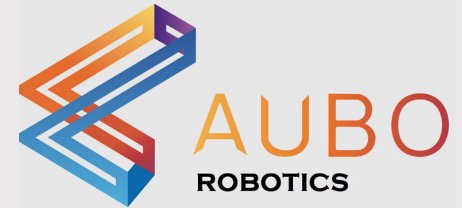
Due to simplified programming within AUBO collaborative robots, the days of extensive programming knowledge required to run a robot are gone. Our kits include proven components with proven results that interface well with our robots. Devices have been carefully aligned to customer and application demands.

## FLEXIBLE

Some lines and products change from day to day. Our kits can be re-purposed to different applications with minimal downtime.

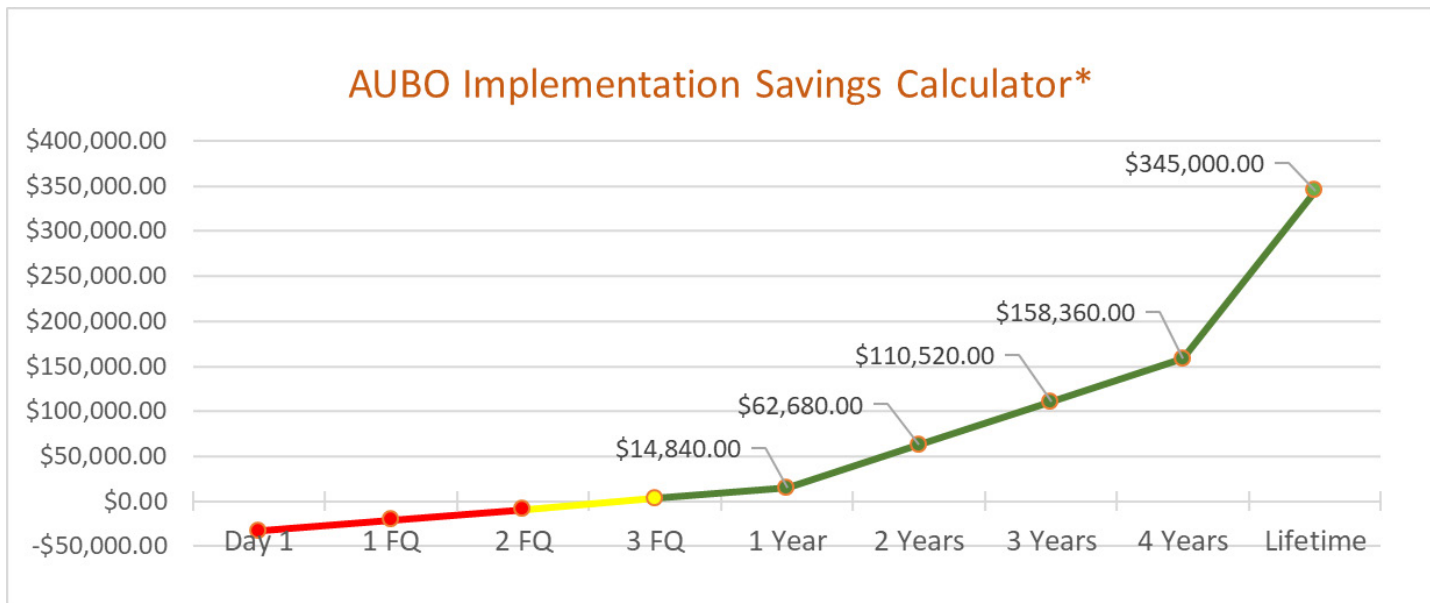
## OPTIMIZED WORKER UTILIZATION

Our kits allow for re-allocation of workers to less strenuous and less repetitive tasks. Workers may be assigned to supplying multiple stations at a time.



*AUBO Robotics was established in collaboration between professors at the University of Tennessee to make a lightweight, intelligent collaborative robot. AUBO robots were specially designed to combine state of the art technology with user friendliness. The open source architecture enables the Robot Operating System (ROS) to be supported through an API for both industrial and academic uses.*

# INCREASED RETURN ON INVESTMENT



\*Assumptions: 2 shifts, weighted labor rate of \$14/hour, 1 worker/cell, 100% to 10% utilization in current cell.

**ROI: 8 months; Annual Cost Savings = \$47,840; Lifetime Cost Savings = \$345,000**

# LEARN MORE ABOUT OUR COLLABORATIVE ROBOT KITS

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