



# Success Stories



## Empowering Collaborative Robots in Industrial Automation

*Collaborative Robot Deployment with Winmate M116TG rugged tablet*

## Background

An automotive manufacturer is looking to increase its production efficiency by deploying collaborative robots to handle tasks such as part assembly and inspection. The challenge is to quickly train the robots to perform these tasks and ensure they adapt to various product configurations and quality requirements.

## Core Product

- [M116TG](#) - 11.6" Windows Rugged Tablet with Intel® Core™ i5-1135G7

## Main Challenges

The traditional method of programming industrial robots is time-consuming and typically carried out by dedicated programmers. Industrial robots are designed for applications that involve long production cycles, where the time invested in programming ultimately pays off. Collaborative robots, on the other hand, require rapid learning to adapt to new processes and tasks. Prolonged downtime for these robots can result in significant financial costs.

## Why Winmate

The manufacturer decides to use Winmate's M116TG tablets for robot training and control. The tablets allow non-programmer operators to guide the robots through the training process efficiently. The tablets provide real-time visual feedback to ensure that the robots are precisely positioning parts and conducting quality checks. Companies and technology solutions providers like Winmate Inc.

- **Rapid Deployment:**

Thanks to the Winmate M116TG, the collaborative robots are quickly deployed, and they can adapt to new product configurations without the need for extensive reprogramming.

- **Reduced Downtime:**

The quick learning and adaptation of the robots lead to minimal downtime during the transition between different production tasks.

- **Improved Quality Control:**

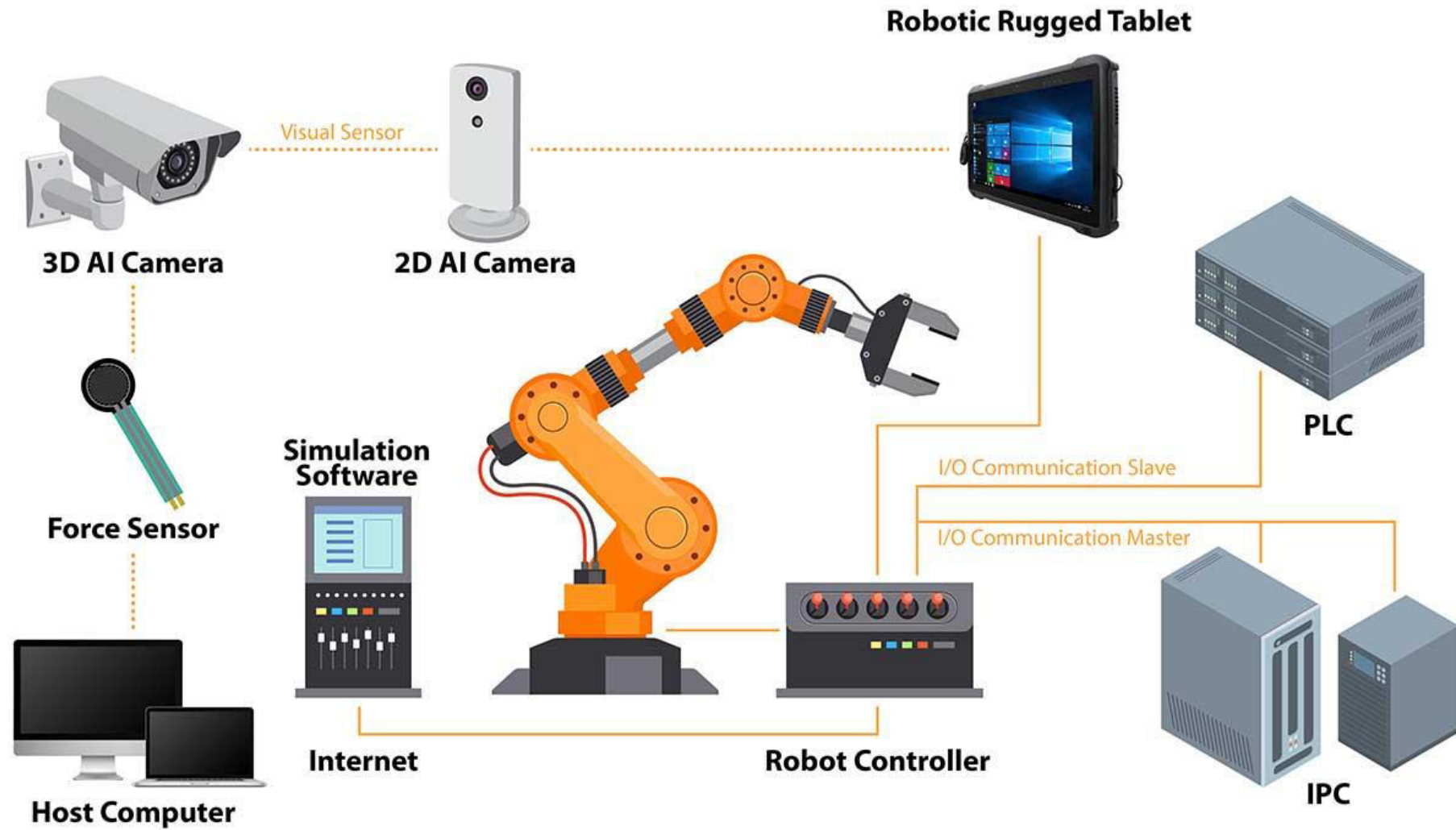
The visual feedback provided by the tablets ensures that the robots consistently maintain high-quality standards.

- **Cost Savings:**

By eliminating the need for specialized programmers and reducing downtime, the manufacturer achieves significant cost savings.

The [Winmate Rugged Tablet M116TG](#) has emerged as a vital tool in the successful deployment of collaborative robots in various industrial applications. Its robust design, user-friendly interface, and mobility make it an excellent choice for operators to quickly and effectively train and control robots. This success story underscores the importance of technology solutions that simplify automation, reduce downtime, and enhance manufacturing efficiency. As collaborative robots continue to reshape the industrial landscape, the role of tools like the Winmate M116TG becomes increasingly critical in achieving operational success and cost savings.

# Application Diagram



## Related Product



### Winmate **M116TG**

- 11.6" 1920 x 1080, 850 nits IPS LED Panel with direct optical bonding
- Intel® Core™ i5-1135G7 Tiger Lake processor
- IP65 waterproof and dustproof, MIL-STD-810H shock, vibration and drop resistance
- Sunlight readable with antiglare solution
- Hotswappable battery design
- USB Type-C port support power delivery 20V In