



At a Glance

Today's lean manufacturing operations often rely on flexible automation with vision-guided robotics to reduce operating costs, improve quality and increase productivity. For many, the best approach involves integrating machine vision technology with their desired robotic platform.

PPT Vision takes a comprehensive approach to define and implement a customized solution based on specifications, space requirements, speed and desired outcome. With the power of its Impact Software and expansive product line, PPT has the expertise and flexibility to partner with any of today's leading robotic suppliers to guarantee the best possible results.

Applications

PPT Vision supports global leaders in automotive, pharma, medical device, food and beverage, electronics and general manufacturing industries.

Applications include:

- Location of moving parts on a conveyor
- Component assembly
- Palletizing/de-palletizing
- Part sorting
- Precise part location to prevent damage in handling

Features

- PPT's Vision Program Manager (VPM) software has a wide assortment of location tools for:
 - Multiple different pattern-matching algorithms—all free of charge
 - Line find and origin edge tools
 - Blob tools (including color)
- Communication to the robot via:
 - TCP/IP
 - Modbus TCP
 - EIP protocol
 - Serial (RS232, RS422, RS485)
- Calibration from pixel coordinates to robot coordinates is easy when using:
 - Point to point
 - Grid
 - Basic tool for scripting your own unique coordinate transform

Benefits

- Improved throughput, quality and productivity
- Reduced operating costs
- Accuracy and reliability
- Minimize product change-over time
- Eliminate expensive part fixturing
- Flexibility to support any leading robotic supplier
- Expert application engineering support
- Extraordinary customer service—delivered globally
- Exceptional performance—guaranteed

Why PPT Vision?

PPT Vision is recognized throughout the world for its innovative machine vision technologies. From sensors and smart cameras to embedded vision systems and custom-tailored solutions, PPT products support quality and productivity goals in global manufacturing operations.

Strengths:

- Software is powerful, scalable and fully supported
- Operators interface with a secure portal that is customizable and responsive while production continues
- Support is personalized, technically savvy and specifically committed to machine vision solutions
- Hardware is smart, expandable and reusable within new solutions



Contact PPT Vision today to discuss your vision-guided robotic needs.
