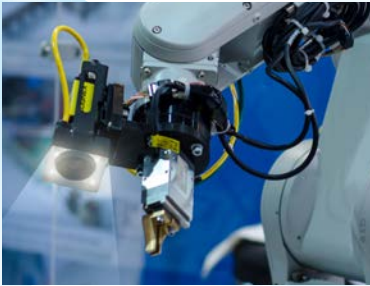


# ROBOTIC SYSTEMS



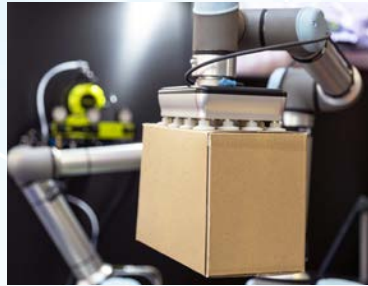
314-501-6534  
robotics@epicsysinc.com  
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# Systems & Solutions WE OFFER



## VISION INSPECTION & VGR (VISION GUIDED ROBOTICS)

- Quality inspection
- Random part presentation
- Vision guidance



## PACKING & PALLETIZING

- Case packing & unpacking
- Palletizing & depalletizing
- Collaborative (cobot) & industrial robot applications



## PRECISION ASSEMBLY

- Component assembly
- Part insertion
- Nut runners & screwdriving



## MATERIAL HANDLING

- Machine/press tending
- Pick & place



## 3D BIN PICKING

- Part sortation
- Machine or conveyor loading packaging
- Assembly



## OTHER APPLICATIONS

- Adhesive dispensing
- Lab analysis
- Mobile robotics
- Washdown & cleanroom robotics

## Why Choose EPIC Robotics

**Our *in-house robotics & vision experts* team-up to maximize your results & performance. Let us help you:**

- Reduce technical project risks
- Increase throughput
- Improve safety
- Reduce product loss
- Minimize ergonomic injuries
- Reduce downtime
- Improve reliability
- Overcome labor shortages

# We are an Engineering Design Firm that Fabricates Turnkey Robotic Systems

## START WITH YOUR WORKFLOW ASSESSMENT

We perform a workflow assessment and time studies to determine opportunities for robotic automation.

## FEASIBILITY STUDY (PROOF OF CONCEPT)

We thoroughly test selections of robots, end of arm tooling, cameras, lights, and the system arrangement in our vision and robotics lab to determine the feasibility and capability of your project.

## SYSTEM DESIGN

Once we begin the final system design, we utilize the results from the proof of concept, which will include mechanical and electrical design in-house.

## IN-HOUSE FABRICATION

Custom fabrication and assembly of the robotic and vision systems, including custom designed components, are completed by our skilled craftsmen and project engineers.

## FAT/SAT

System is completely tested at EPIC's facility prior to shipment and ensures successful performance at installation.

## FINAL PRODUCT

We provide a successful, turnkey robotics solution you can rely on.

## CONCEPTUAL DESIGN

We gather project details, develop a scope of work, discuss solutions, and develop a concept and action plan.

## PROJECT MANAGEMENT

We walk with you throughout your project, from idea to successful solution, each step is carefully project managed to achieve your goals on time and on budget.

## SPECIFICATION & PROCUREMENT

We specify and procure the correct components for optimal system performance through collaboration of our robotics, vision, and automation engineers.

## SYSTEM PROGRAMMING & INTEGRATION

All automation programming including robots, PLCs, and machine vision systems are developed and tested by our engineers.

## STARTUP & COMMISSIONING

We install and integrate the complete system with the larger plant network, existing control systems, databases, and HMIs, testing before and after installation.

## ON-GOING SERVICES & SUPPORT

We provide training and onsite, or virtual, support from an in-house engineer.

# **EPIC** ROBOTICS INTEGRATOR

Your experts in *both* vision & robotics.



## Benefits of EPIC Integration? We take full responsibility of:

- Safety risk analysis
- Payload, reach and cycle time calculations
- Project management
- Specification and procurement
- Scheduling
- Mechanical design
- Controls design
- End of arm tooling design
- Communication protocols
- Programming languages
- System handshakes
- Operational sequencing
- Multiple recipe management
- Testing and FAT
- Installation and support
- Startup and validation
- Documentation
- Training
- Ongoing support

We Collaborate With  
the Brands You Trust...



And Many More.

Let us help you improve your operations, your  
brand integrity and your product quality.

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