

Iridescent Consulting

Intelligent Automation and Supply Chain Planning

AI-based Automation for Unstructured, Dynamic and Uncertain Environments

Capabilities

AI-Driven Robotics

- Sensing (Visual & Tactile) Guided Object Grasping and Manipulation
- Path & Trajectory Planning and Obstacle Avoidance for Autonomous Navigation
- Multi-Arm Cooperating Robots and Multi-Robot Systems for Complex Handling Tasks
- Fine Grasping and Manipulation for Assembly Tasks

AI-Powered Vision Systems

- Machine Vision and Image Analysis for Automated Inspection & Quality Control

AI-Based Asset//Process Optimization

- Condition Monitoring, Predictive Maintenance & Fault Diagnosis

AI-Enabled Safety Technologies

Gripper/End-of-Arm Tool Design

Fixed Robot - Applications

Pick & Place, Sorting, Machine Tending, Palletizing & Depalletizing

Mobile Robot / Automated Guided Vehicle - Applications

Material Conveyance, Inventory Checking,
Warehouse Cleaning, Perimeter Security

Logistics and Supply Chain Planning

- Facility (Warehouse) Location Planning
- Facility Layout Design
- Inventory Management
- Transportation Planning

Services

Simulation, System Design, System Integration, Application Development

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