

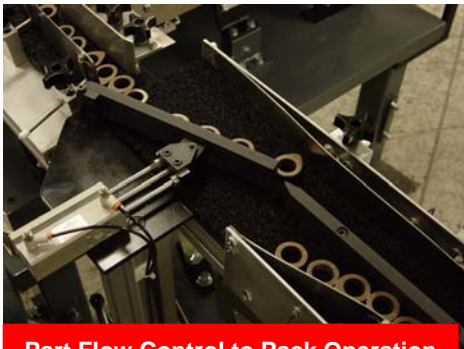
Robot Feeding Solutions



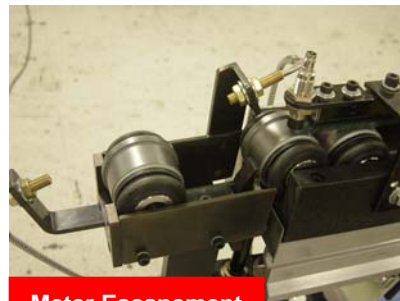
Assembly Pallet Loading System
Spark Plug Bodies- 60ppm



Work Stocker- Part Accumulator to Robot Dead Nest



Part Flow Control to Pack Operation



Meter Escapement

CDS LIPE is a proven automated material handling innovator and problem solver. We are experienced feeding, transporting, loading, accumulating metering and orienting a wide range of parts, materials and packages in virtually every industrial environment. Let us position parts to your fixed pick position, let us load and position your assembly pallet, tote or dunnage. Let us condition part flow using our fully integrated Flex Feeder solutions.

CDS LIPE supplies integrated bulk part and package supply systems, conveyors, feeders, stockers, stackers buffer accumulators for your integrated Robot Cell



Part Nesting, Part Orientation & Part Metering, Part Positioning to Robot Cell

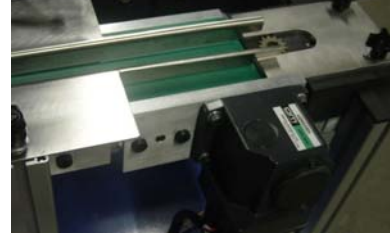
Part Position to Robot Station.



Dead Nest for Robot Pick Op.



Part Orientation for Robot Oven Loader



Consumer Product Package Distribution.

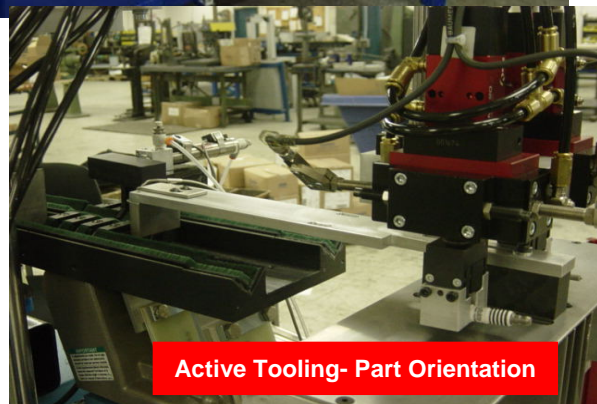
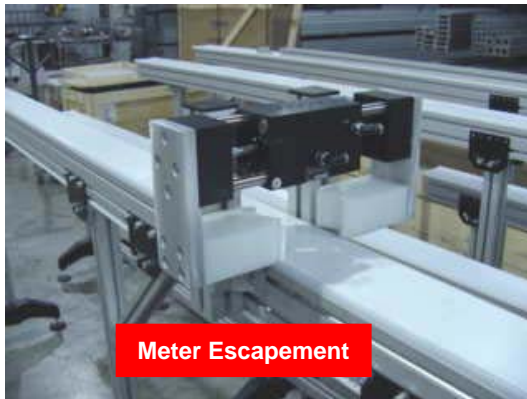


Bowl Feeding Electronics Robotic Assembly



Head Hang Rails Accumulation Buffer For Robot Cell

Packaging Feeding Solutions



Design Standards

Flexible Automation
Modularity
Intelligent Intuitive Design
Interchangeable & adjustable tooling
Application & Design Quality control process.

The Right People & Process

Experience integrating with customer's process equipment
Experienced design team with the widest variety of parts, material and application environments in the industry.
Quality Pre-Delivery Testing & Approval Procedures
Experienced customer service, training and technical support personnel.

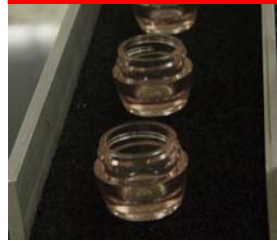


Package De-Nesting, Orientation & Metering, Positioning to Packaging

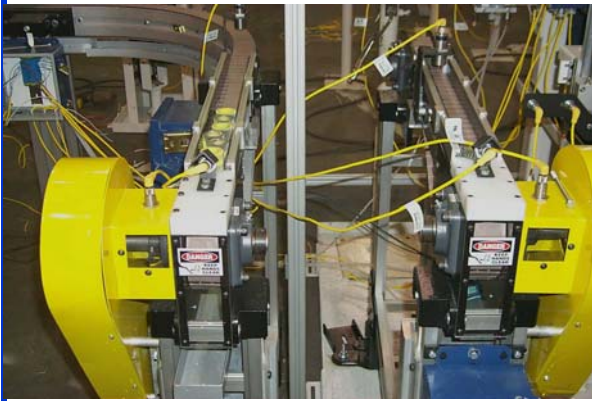
Metal Detector & Reject Station.



Packaging Positioning.



Dead Nest for Robot Pick Op.



Part Orientation for Robot Pack Off System



Consumer Product Package Distribution.



Transport & Accumulation



Indexing Conveyor

Machine Tending & Loading



Sanitary Multi-Lane Quart Container Orientation-Preparation for Case Packer



Part Orientation & Loading into Lathe



Precision Index Conveyor-Inspection Fault Sort



Fixtured Infeed & Discharge to Gantry Robot Pick & Place Cell

Position ID Bore to Inspection Camera



Divert to Sanitary Packaging Robot

Hard Automation Loading Solutions to Various Processes, Machine Centers and Packaging Systems



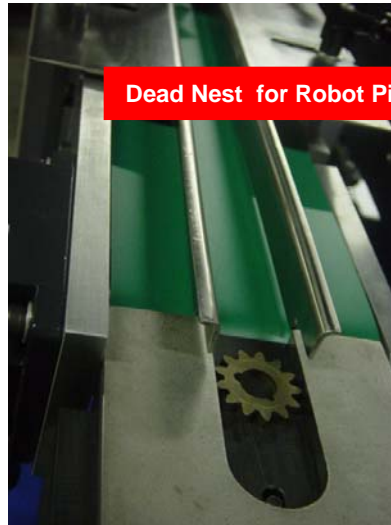
Indexing Conveyor



Pallet Loading.



Dyna-Slide Feeder w/ Pick & Place For Assembly Dial Loading



Dead Nest for Robot Pick Op.



On Demand Part & Materials Supply



Part Positioning.