



# JR AUTOMATION TECHNOLOGIES, LLC

## VISION GUIDED ROBOTICS FLEXIBLE FEEDING

### INTELLIGENT DESIGNS

#### FAST FACTS:

- In business since 1980
- 120,000 sq. foot facility
- 210 employees
- North of Holland, MI

JR Automation Technologies, LLC staffs ingenious, qualified professionals who design and build solutions for efficiency and speed, customized for your specific needs. Whether that means machines or process development, the JR team has a smart, lean solution to your challenging project.



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#### ONE SYSTEM, ENDLESS PART TYPES

Vision Guided Robotic Flexible Feeding allows for almost endless product line variations, eliminating the need for part-designated in-feed systems and machines.

Part changeover is a rapid selection on the HMI, or a quick change-out of the end of arm tooling.

JR can integrate flex feeding systems into assembly lines, stand-alone machines, and as upgrades to existing equipment, for any industry.

#### FLEX FEEDING COMPONENTS:

- Robot
- Vision System
- Flex Feeder Package (including in-feed system and vibrating track)
- End Of Arm Tooling customized to part

#### FLEX FEEDING SEQUENCE:

- 1) In-feed system drops parts onto the vibrating flex-feed track
- 2) Vision system camera takes a picture to identify the part type, orientation, and position
- 3) Robot picks the part, based on camera information
- 4) Robot places the part using customized end of arm tooling