

# AUTOMATION FOR CENTERLESS GRINDING

**CRI**

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## PART HANDLING AUTOMATION CUSTOMIZED FOR OPTIMUM GRINDING PERFORMANCE



### AUTOMATION OF PART HANDLING

There are many different options for automated parts handling. Thrufeed grinding conveyors, bowl feeders, and accumulation tables can reduce the number of operators required for your grinding process. Infeed grinding can be aided by pick and place systems using mechanical or pneumatic picks. Robots can pick an unground part from a loading table, place it into the grind area, pick the finish ground part and place it on a conveyor to send it to the next operation.

### PROCESS DEVELOPMENT

With all the options and variables in part handling, it can be confusing to decide what is right for you. CRI specializes in developing the process that best suits your needs and your budget. CRI is a leader in the design and manufacture of automation for precision centerless grinding. CRI has improved processes for many customers in the automotive, bearing, hand tool, and appliance industries. CRI also has developed sophisticated software tools for monitoring, dressing, and controlling grinding processes. CRI will work with you to develop the optimum solution for your grinding needs.

### WARRANTY

CRI offers an unbeatable warranty on every machine from the Kodiak to a remanufactured Cincinnati centerless grinder and all automation.



Both spindles are warranted for 24-months and the entire machine, including all retrofits and automation are warranted for 12 months. If any issues arise, CRI's experienced field service personnel go on-site to rectify the problem quickly.

### COMMITTED TO QUALITY

CRI is dedicated to providing you with quality machine tools and automation. Each machine and all automation components undergo a myriad of inspections and

approvals. The final machine, with all part handling automation, is run on our floor and debugged before you come in to perform a customer machine capability run-off.

### TURNKEY SINGLE POINT ACCOUNTABILITY

CRI offers true turnkey solutions from process design through manufacturing and production setup. We listen, study, question, process, specify, design, purchase, manage, manufacture, launch, and maintain. You receive single point accountability, a simple and efficient way to do business.

CRI has been responsible for the design, manufacture, and installation of hundreds of automated grinding systems. We utilize all universal standards, OSHA, NFPA, and NEC, as well as other standards required by major manufacturer specifications. We have experience with all major control brands including Fanuc, Allen Bradley, Emerson, and Siemens. CRI will help you gain control of your grinding process.

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