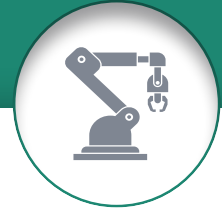


Manufacturing Interview Questions

Advanced Manufacturing Series



Below are occupation and industry specific skills-based interview questions and technical demonstrations to use to evaluation candidates. For interview questions, you may use them as written, but we suggest making them as specific as possible to your position. For technical demonstrations, you'll need to provide additional details for situations that occur at your company.

COMPETENCY	EVALUATION TYPE	QUESTION / SITUATION
Manufacturing Processes	Question	Describe a time in which you identified inefficiencies in your manufacturing processes. How did you respond to fix these issues?
Manufacturing Processes	Question	What role have you had in Quality and Continuous Improvement efforts? What are some key successes while in this role?
Manufacturing Processes	Question	What is your level of understanding of Six Sigma processes at the green or black belt level (depending on job requirements)
Equipment Maintenance Repair	Question	What maintenance were you required to perform previous on CNC machines?
Equipment Maintenance Repair	Question	Describe a time in which you got a new machine or you had to repair a malfunction in a machine. What was the problem and how did you fix it?
Equipment Maintenance Repair	Demonstration	[Provide applicant an example of a common issue in the industry of equipment issues.] How would you respond to experiencing this problem?
Computer-Aided Manufacturing	Question	Please describe a project in which you used CAD or CAM programs, how you used them, and your product.
Computer-Aided Manufacturing	Question	Have you programmed g-code? If so, share an experience in which you modified the program based on problems you experienced during operation.
Computer-Aided Manufacturing	Question	What previous experience do you have using multiaxis machining? What are the products that you created using it?



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Computer-Aided Manufacturing	Demonstration	Submit previous work sample in which you used CAD, CAM, or g-code.
Mathematics	Question	Describe a time in which you used your knowledge of shapes and/or moving parts to solve a shop problem.
Mathematics	Question	Describe a complicated math problem that you faced that you had trouble solving at first. How did you find a solution to the problem?
Mathematics	Demonstration	Use a relevant online assessment for math skills
Mathematics	Demonstration	Provide applicant 3-5 common math problems they will solve on the job. Ask them to work through the problems, showing their approach.
Manufacturing Standards	Question	What is your experience in working with sampling plans? Please describe the kinds of standards you used.
Manufacturing Standards	Question	Describe a time in which you oversaw the implementation of quality control efforts. How did you improve testing quality?
Manufacturing Standards	Question	What are some challenges you faced in testing quality? How did you overcome these challenges?
Manufacturing Standards	Question	How much experience do you have regarding ISO 9000/9001? Walk me through any experience you have with document control, corrective action, or if you have taken a company through registration.
Industrial Design	Question	Tell me about a situation in which your knowledge of the design of the product or equipment helped you troubleshoot or solve the problem at hand.
Industrial Design	Question	Describe a complicated design challenge you faced and how you solved it.
Industrial Design	Question	Describe a time you had to design a product to fit a customer's needs, specifically, how did you identify those needs, and how did you cater to them?



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COMPETENCY	EVALUATION TYPE	QUESTION / SITUATION
Industrial Design	Demonstration	Submit a previous example of your industrial design work.
Employee Training	Question	Describe your approach to training employees and guiding others on work-instructions, safety requirements, or company policies. How do you test for understanding?
Employee Training	Question	Give an example of when an employee did not perform as well as you expected. How did you respond to this situation?
Employee Training	Demonstration	[Provide applicant example content that they will be training in this position] Write an training outline to train new employees on this content.