

Global Position Profile

Global Position Name	Function	Comp Class	
Manufacturing Engineer	Manufacturing	10001	
Job Summary			
Assists with the planning, design, purchase, and/or implementation of integrated manufacturing, assembly or fabrication processes in a manufacturing plant.			
Key Responsibilities			
Helps determine the manufacturin Works with engineering to identify Assists with plans and designs me Work to improve equipment availa Define manufacturing standard wo	g processes required to achieve map problems with product and perform thods to improve efficiency in prod bility and capability by utilizing con rking methods	nanufacturing goals according to product specification mance; may recommend solutions or enhancements. duction. ntinuous improvement tools and working cross functio	nally.
Qualifications and Competencies			
Skills Project Management - Has a good moderately complex projects.	l understanding of and effectively a	applies project management techniques in low to	
Fundamentals Of Manufacturing - Basic competence in the body of knowledge as defined by the Society of Manufacturing Engineers for a Certified Manufacturing Technologist (CMfgT). The body of knowledge includes the following areas: Mathematics, Applied Science, Process Design, Materials, Manufacturing Processes, Manufacturing Management, Manufacturing Economics, Quality Control, Computer Applications, and Automation. Working knowledge of the Fundamentals of Manufacturing. More than 2 years of experience working as a Manufacturing Engineer, but not yet a Certified Manufacturing Technologist (Society of Manufacturing Engineers), or local equivalent)			
Equipment / Capital Procurement - Understanding the requirements for purchasing tools and equipment according to Cummir Production Equipment Specifications. Capital purchases require the approval of a Request for Capital Appropriations (RFA) which includes justification of the project from a financial/ strategic standpoint and must be completed in a specific format defined by the documented procedure. Working knowledge of the Cummins Production Equipment Specifications. Has initiate the purchase of tools and equipment. Understands the difference between capital and expense purchases. Experienced at writing Request for Capital Appropriations			
Fundamentals Of Controls Engine processes and equipment. Include Interfaces. Communication network electrical sources of energy. Sens multiaxis control including robotics controllers and ladder logic progra machines operate and can sugges control system to the plant's Manu	ering - Knowledge of various hardw s understanding of: Programmable ks and protocols used on the shop ors, actuators, and various loop co working knowledge of electrical cir ms. Can troubleshoot electrical cir st and implement basic improvement facturing Execution System.	ware and software used in the control of manufacturin e Logic Controllers, Ladder Logic, and Human-Machin o floor. Control systems including pneumatic, hydraulin ontrol technologies. Motion control, servo systems, an controls. Good understanding of programmable logic rcuits and understand electrical prints. Understand ho ents. Basic knowledge of the interface of the shop floo	ng ne c, and d w vr
Fundamentals Of Industrial Engine people, materials, information, equiphysical, and social sciences toge and evaluate the results to be obta production line using the data from workstation design project. Familia effective facility layout.	eering - Concerned with the design upment, and energy. It draws upon ther with the principles and method ained from such systems. Knows h a work measurement study. Can ar with process documentation method	n, improvement, and installation of integrated systems n specialized knowledge and skill in the mathematical ds of engineering analysis and design, to specify, pre- low to conduct a work measurement study. Can balar effectively apply the basic principles of ergonomics in thods. Uses material flow data to develop an efficient	of dict, nce a n a and
Workstation Design - This skill inv knowledge of anthropometrics, erg office layout guidelines, etc. Many work station design standards to c	olves being able to design an opera jonomics, National Institute of Occu of these standards must be utilized lesign an ergonomically sound stati	ator station. Design of an operator station requires upational Safety and Health (NIOSH) safety standard d to develop an efficient work station design. Can app tion for one manufacturing operation or office space.	ls, oly
Ergonomics - Intended to reduce operator fatigue and discomfort. It is a scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimize human well-being and overall system performance. Knows how to perform an ergonomic analysis/assessment and make necessary changes/modifications based on the results in order to improve the ergonomics of a workstation. Has attended Ergo in Action training			
Problem Solving And Quality Impr tools/process type and selection, j have 2 years experience in this ro such as 7 Step, FMEA and Kaizer	ovement - Problem Solving and Im olus Corrective and Preventive Acti le. Able to lead problem solving effo	nprovement approaches, including understanding of ion processes. A CQE (Certified Quality Engineer) an forts. Including the use of a variety of problem solving	id/or tools
Education Licenses Outlinetter			
College university or equivalent	i Iograa in Manufacturing Engineerin	ng or related technical or scientific field required	
Finerience	egree in manulacturing Engineerin	יוש טי ופומופט ופטווווטמו טי גטפוונווט וופוט ופעטורפט.	
Minimal level of relevant work exp	erience required.		
		Vers	ion 1