EMPLOYMENT OPPORTUNITY- INDUSTRIAL SYSTEMS ENGINEER

Responsible for day-to-day manufacturing and Coordinate Measuring Machines (CMMs) support. Drive standardization in the manufacturing processes, industrial and quality systems and technologies using Lean Manufacturing and quality systems, including IATF, Advanced Product Quality Planning (APQP), and Production Part Approval Process (PPAP) tools consistent of the Original Equipment Manufacturer (OEM) and Tier1 automotive customers. Develop measurement routines and scanning for production parts with Automatic Bridge CMMs using PC-DMIS programming language. Implement and evaluate Statistical Process Control (SPC) techniques for quality assurance using Datapage CMM software to collect, plot and monitor measurement data. Design custom holding fixtures and gages using Solidworks Computer Aided Design (CAD) software and coordinate manufacture with suppliers. Develop Computer Numerical Control (CNC) programs for machining operations in 4-axis Horizontal Machine Center (HMC), Vertical Machine Center (VMC) and Lathes using G code and Computer Aided Design (CAD) and Computer Aided Manufacturing (CAM) software for new product launches. Provide feedback on 3D scanning reports of parts and tooling using Geomagic software and provide 6pack analysis using Minitab software. Utilize Visual Basic for Applications to create macros, data analysis and automate tasks in Excel. Participate in process continuous improvement of process simulation and parameters/correlation, Quality Concern resolution and Lean Manufacturing. Provide Geometric Dimensioning and Tolerancing (GD&T) expertise to improve manufacturability of parts, proposing to Design Engineer Department more cost-effective geometric controls of current customer prints based on the form, fit and function of the part. Provide technical interface with customers, plants and suppliers. Design industrial solutions. Interpret drawing requirements per American Society of Mechanic Engineer (ASME) Y14.5-2009/International Organization for Standardization (ISO) and Geometrical Production Specifications (GPS) standards and assess the manufacturability of new products based on tolerance analysis. Design and plan equipment and machines layout to optimize material workflow using AutoCAD software. Provide and develop product cost estimates. Develop CNC machining solution proposals including fixturing, cutting tools, sequence of operations, and cycle time estimation for new products quoting process. Provide support with CNC machines, and dedicated machining equipment. Research new manufacturing processes by use of technical papers, trade magazines, trade shows, and vendor visits. Implement the planning and development of processes and equipment that incorporate the most advanced proven levels of work holding, gauging, and cutting tools. Identify and implement cost reductions. Review plant layouts and equipment groupings for optimum efficiencies.

Require bachelor's degree in Mechanical, Manufacturing or Industrial Systems Engineering.
Submit resume to; info@andertonlab.com