

Job Title	Mechanical Designer Drafter I
Location	Salina, Kansas
Reports to (Job Title)	Drafting Supervisor
General Duties	<p>Must be able to generate new designs from concept, taking in consideration manufacturability and effective cost. Must be able to support standard product and special customer project work. Responsible for producing manufacturing and documentation information for release into K-Tron MAPICS system.</p> <ul style="list-style-type: none"> • Create new designs • Perform cost analysis for new or existing design • Ensure availability of proposed components for a design • Create/revise drawings - AutoCAD or hand-from mark ups, layouts or verbal instruction • Create layouts from concept to enable draftsman to generate detail drawings • Select raw material, calculate weight and volume • Perform other calculations, i.e. center of gravity, bend and stress moments • Ensure mechanical fit of all components in a given assembly • Coordinate proper creation of Item type, manufacturability and bill of material • Create/maintain and release data/drawings in ERS, Mapics and engineering • Prepare project related reports • Self check completed assignments and cross check co-workers completed assignments • Make estimates for incoming project • Maintain computer software hierarchy • Coordinate activities assignments, produce quality work and meet time schedule • Work with manufacturing personnel to insure manufacturability of product • Work with project and product engineering personnel • Respond to ER's (Engineering Request of change) or equivalent for product corrections and improvements • Maintain confidentiality of all required information • Some travel to vendor and customer sites required • Other duties as assigned
Required Experience and Education	<ul style="list-style-type: none"> • Bachelor's degree in Mechanical technology preferred • Understanding of computerized systems, preferably Mapics, AutoCAD, and Inventor or Solid Works.
Technical Skills/Knowledge	<ul style="list-style-type: none"> • Knowledge of math/algebra (i.e. areas of plane, volume of solids) • Mechanics, calculation of various moments, center of gravity, etc. • Knowledge of metal and non-ferrous materials and their properties • Knowledge of SI (metric) system • Familiarity with manufacturing practices • Knowledge of U.S. Customary system (inches) and SI system (Metric), various ANSI and ISO Engineering and drafting standards • General knowledge of ISO 9001 standards; detail knowledge of chapters Design control, Document control and Non-conforming product • Knowledge of plotter, blue print machine • Knowledge of DOS, Windows, Microsoft products, Lotus, AutoCAD, Genius, WinZip, Automanager View, Transpack (sheet metal layout), scheduling software, utility program, MAPICS, ERS • Possess a solid understanding of design concepts, practices & procedures • Analytical and problem solving skills, Sound planning and organizational skills. • Professional communication skills, both written and verbal • High level of proficiency using Microsoft Office; PC spreadsheets (Excel preferred)
Safety Factors	<ul style="list-style-type: none"> • Maintain neat and orderly, hazard-free work area • Lift no more than 75 lbs.