

Tool Install: Industrial, High Tech Manufacturing, Medical Equipment



All Equipment Types

Medical/Dental
Plastic Molding
Heated Process
Semiconductor
Metalworking

A decision to acquire new production equipment is one that comes with a certain level of risk. Not risk that the equipment won't work, or accomplish the job it was advertised to do, but rather a risk of unforeseen costs associated with installation and startup. Everything from the bay door being tall enough to get it into the building, to knowing whether or not sufficient power is available, or existing HVAC is adequate to handle the increase heat load are just some of the things that when dealt with up front can minimize the overall cost of implementation.

REQUEST A PROPOSAL

It is a first step to ask Plant Engineering Consultants for a proposal for equipment install. We will look at the specifications for the piece of equipment you plan to add, then compare the requirements against your facilities available systems like electrical, cooling water, HVAC, and provide a proposal to complete any required engineering.

WHY IS ENGINEERING THE INSTALL IMPORTANT?

You may have electrical power, cooling water, all the things that the tool literature tells you are needed. But is it adequate? Is the electrical panel near capacity and your new tool needs more power than it can provide? Is the added heat load going to overwhelm the current cooling tower or chiller capacity. Will the HVAC system provide sufficient room make up air, and will the ambient room temperature be affected? All aspects of the tool's operation and impact on your current facilities is reviewed. Once contracted, Plant Engineering Consultants will provide all necessary engineering and documentation for qualified subcontractors to make the necessary changes required to be code compliant as well as operational without unexpected delays.

SUBCONTRACTOR ALTERNATIVE

Some simple equipment installs can be accomplished by in house resources, or through an appropriately licensed subcontractor. Most are professional, and do a professional job, but never forget that the goal of the subcontractor is to get the tool installed for the price, and in the time frame they quoted in their bid. With Plant Engineering Consultants involved up front, all impacts from the tool on your facility's infrastructure are reviewed and any needed design changes are made. You are provided with high-fidelity engineering and documentation. These documents can then be sent off for bid and the subcontractors have a detailed blueprint to quote from minimizing any unexpected changes.

ADDITIONAL SERVICES TO CONSIDER

Additional services include:

Bid Assistance - Helping you source and review bids from potential contractors.

CA - Contract Admin services to verify the work accomplished was to plan.

Arc Flash Hazard Analysis, Protective Device Coordination, Short Circuit Analysis - These are electrical studies and implementations that are designed for the safety of personnel and equipment in the event of an electrical fault.

PLANT
ENGINEERING CONSULTANTS

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Call to discuss, we will arrange to walk your facility and provide a fixed price written proposal.

