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| Project | Description |
| **Lean Process Improvements** | Who doesn’t want greater productivity through better processes? Eliminating activities that add zero value (waste) can help reduce the cost of providing a good or service, improve turnaround / delivery time, and increase your level of quality. Outline specific areas of improvement that your intern can focus on. Are there documented processes that need to be updated or created? By collecting the data, they should be able to develop solutions that they can present to you and your team. |
| **Ergonomic Studies** | Workplace ergonomics is often overlooked when evaluating health and safety priorities. However, it could be one of the most beneficial opportunities you have to lower your worker’s comp, enhance employee productivity, and emphasize a culture of safety. Have your intern study and collect data on various movements performed by your staff. Have them develop a solution – outlining the support, training and costs associated with their proposed solution. |
| **Workplace Fixture Design** | Proper fixture design is crucial for developing product quality in different terms of accuracy, surface finish and precision of the machined parts. This task would be to collect the data and work to develop a solution. If approved, further development could include AutoCAD or SolidWorks drawings. |
| **Product Quality Testing** | Do you have a known quality issue that you have not been able to diagnose? This could be a great summer project for your intern. Allow them an opportunity to collect data about the product. This could include product warranty / life expectancy, non-conforming and field report, frequency of error and root cause analysis. They could then work on establishing corrective / preventative actions. Even if you do not have a glaring quality issue, have them search for issues that could be improved. |
| **New Product Testing** | Suppliers are always trying to present you with new product ideas. In most situations, product testing needs to be conducted in the form of material analysis, wash tests (durability), and work with the supplier on developing best practices for handling. Provide them a list of 2 to 3 products that you are currently evaluating with your supplier and have them work on documenting the results and allowing them an opportunity to make a recommendation based on their findings. |
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