

Facility Assessment

Mission:

ADAMS Engineers and Equipment will provide an assessment of your manufacturing process from *Pellets to Parts*. We will provide a detailed report showing areas where we believe you can improve your manufacturing process and add to your bottom line profits.

Scope:

ADAMS Engineers and Equipment will, with your approval survey all aspects of the manufacturing process from the time your virgin material arrives at the receiving dock until you have manufactured and boxed parts. We will be looking at processes to improve your manufacturing profits. We can no longer have the attitude “that’s the way it’s always been done” and stay competitive.

It is our goal to make manufacturing in this area more competitive to retain work and jobs.

In this process we will look at the following areas.

- Material flow to machines: including drying and blending.
- Water Systems: including towers, chillers and temperature controllers
- Machines, machine conditions, (areas that may need maintenance) work area around machine, machine cycles.
- Evaluate screw and barrel as possible while machine is in operation.
- Evaluate process problems

It is the intent of this assessment to determine areas that can have an impact on the return on your investment and make equipment recommendations where necessary.

What we need from you:

- Electrical rates
- Water Rates
- Average burden rate of production employees.
- Permission to freely examine all aspects of manufacturing, from *Pellets to Parts*.
- Six to eight hours of your time, or the time of a supervisor, to answer questions as we process the information.
- Machine and Mold data on a sampling of jobs currently running.

What we provide:

ADAMS Engineers and Equipment will provide a detail report of the entire facility. Included will be areas that can be improved with little or no investment. This may be something as simple as changing the work habits of employees. We will make recommendation on equipment purchases necessary to improve processes. These recommendations will include model number and prices for your review.

Your Investment:

We would anticipate your investment to will be minimal. Most manufacturing facilities have areas that can be improved upon. If this is the case in your manufacturing location the investment will have a very short return. The initial investment for the Facility Assessment is \$2000.00 per location. A portion of this will be return if equipment recommendations are followed and purchased thru ADAMS Engineers and Equipment.

What is your Return on this investment?

Let's assume for a minute your molding facility has 10 machines in the 100 to 300 ton range. These machines are scheduled to operate 24/7/5 on an overall average 20 second cycle- small machines may run faster, larger slower. Machine cost \$35.00 per hour average. For every 10% increase in efficiency of cycle time you will add approximately \$24,000 to the bottom line, on average.

Now let's consider mold changes. What is the average time to change a mold- part to part? Most molders are looking at two to three hours, average. Have you considered method to reduce this time? Are the technicians ready when a run is completed? We believe mold change times could be reduced to less than 30 minutes with proper planning. Allow us to discuss some of these methods.

How are material, regrind, color and other additives handled? How much inventory shrinkage do you experience?

All these areas and more will be considered when doing the Facility Assessment. Invest in the future now.

Please contact your local ADAMS Engineers and Equipment salesman for further details on how we may be of assistance.