

# Is Vapor Degreasing Right For Us?



## Understanding the Benefits of Part Cleaning Using Vapor Degreasing

Part cleaning is an important part of any manufacturing process to ensure cleanliness requirements - however it can be tedious and time consuming. Reducing the amount of time spent cleaning while increasing the overall quality of cleaning is one of the great benefits of vapor degreasing. In this summary, we will review the reasons many manufacturers use vapor degreasing and see if vapor degreasing will benefit your company as well.

*"Vapor Degreasing is a FAST & effective way to clean parts, especially metal parts with complex geometries."*



1. Increased Cleanliness
2. Increased Throughput
3. Cost Savings
4. Consistent Cleaning
5. Increased Worker Safety
6. Reduced Maintenance
7. Reduced Processing Time

**Question:** Are my parts getting clean enough? Am I having adhesion, plating or other issues present because of cleanliness issues? If the answer is yes, vapor degreasing should be considered.

### Benefit 1: Increased Cleanliness

Consistent and comprehensive part cleanliness is one of the major reasons companies choose vapor degreasing. It is an effective cleaning process for removing lubricants, greases, waxes, oils, and other machining contaminants introduced in the manufacturing process. The vapor degreasing process pulls the soil from the part, while not introducing any new contaminants (like detergents or surfactants). The cleaning is comprehensive as every surface is equally impacted by the solvent.

**Question:** Do I need to clean and process more parts than my current cleaning process can handle? If I need more parts cleaned faster, vapor degreasing could be a good option.

### Benefit 2: Increased Throughput

Vapor degreasing is an efficient, effective way to clean many parts fast. And there is the added benefit of not needing to wipe or dry any residue from the parts after cleaning. The parts are ready for plating or whatever the next manufacturing step is. Vapor degreasing is fast, and in many cases can reduce cleaning processing times by 50% to 90% over hand wiping or aqueous cleaning systems.

**Question:** Are the costs of our cleaning operation reducing overall profitability? Is the cleaning process of our business an issue? Is our cleaning process a bottleneck, slowing down the manufacturing throughput? If so, vapor degreasing can increase profitability substantially.

### Benefit 3: Cost Savings

In general, the return on investment (ROI) of a vapor degreaser is excellent. The increased productivity, enhanced part cleaning consistency, and increased worker safety combined with reduced maintenance and labor can deliver significant cost savings.



Vapor degreasing increases the speed at which parts are cleaned and increases the cleanliness of the parts cleaned.



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Please give us a call and let our vapor degreasing experts help you optimize your part cleaning.

## Conclusion

The return on investment of a vapor degreaser system can be significant. Reliance ULTRA™ vapor degreasers are smartly designed systems that efficiently clean parts – fast. Once the initial investment is made, years of consistent cleaning can be achieved. The long-term savings of increased consistent cleanliness, reduced processing time, while cleaning more parts make vapor degreasing the right parts cleaning option for many companies in a variety of industries from aerospace to electronics to metal fabrication.

**Question:** Is "quality" suffering? Or are there increased costs incurred by part-rejection because of inconsistent cleaning? Do parts need to be cleaned to a military or cleaning specification - consistently? If so, vapor degreasing can be an excellent remedy.

## Benefit 4: Consistent Cleaning

For many companies, consistency of part cleaning is an issue. Some parts are cleaned well, others are rejected because of soils left after hand wiping, dipping or other cleaning method. **All parts have a cost tied to them.** If a part is rejected due to poor cleaning, the part either must be re-cleaned or scrapped, which adds cost and affects the bottom line.

Consistency of cleaning is a hallmark of vapor degreasing as it provides a complete enveloping of solvent around the part to clean it. Even blind-holes and complex geometries are effectively cleaned with vapor degreasing.

Vapor degreasing provides the ability to clean thousands of parts with clean distilled solvent - over and over.

Additionally, automation via a basket handling system, or hoist provides cleaning "recipes" that ensure every part is cleaned to the same specification repeatedly and consistently. Automated hoists eliminate operator error while increasing processing efficiency.

**Question:** Is worker safety a significant consideration? Is a reduction in emissions and worker exposure of primary importance? If so, vapor degreasing will provide an excellent combination of safety for workers with increased productivity.

## Benefit 5: Increased Worker Safety

Overall vapor degreasing limits worker exposure to solvents while reducing manual labor. With the addition of automation as discussed above, worker stress and strain while cleaning parts can be reduced significantly.

**Question:** Am I spending more time and money maintaining cleaning equipment then getting the production needed? Vapor degreasing is a smart option for simplifying part cleaning.

## Benefit 6: Reduced Maintenance

Reliance ULTRA™ vapor degreasers are smartly designed systems that efficiently clean parts with minimal maintenance. They have exceptionally long life-span to give you years of consistent part cleaning.