

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 01/24/2002

Experimenters: Jason Marshall

ClientType: Electronics Manufacturer

ProjectNumber: Project #1

Substrates: Steel

PartType: Part

Contaminants: Rust/Scale, Salts

Cleaning Methods: Media Blasting

Analytical Methods: Visual

Purpose: To evaluate baking soda blasting unit

Experimental Procedure: Several client supplied parts were cleaned for 5 -10 minutes using a BCS Blasting unit with sodium bicarbonate media. The system operated between 85-110 psi. The parts were cleaned for a minute at a time, allowing the dust to settle and pressure to increase to improve blasting effectiveness.

## Results:

### Summary:

|  |                      |               |                    |                                     |                      |  |
|--|----------------------|---------------|--------------------|-------------------------------------|----------------------|--|
| <b>Substrates:</b>                         | Steel                |               |                    |                                     |                      |  |
| <b>Contaminants:</b>                       | Rust/Scale, Salts    |               |                    |                                     |                      |  |
| <b>Company Name:</b>                       | <b>Product Name:</b> | <b>Conc.:</b> | <b>Efficiency:</b> | <b>Effective:</b>                   | <b>Observations:</b> |  |
| Armex Cleaning and Coating Removal Systems | Sodium Bicarbonate   | 100           |                    | <input checked="" type="checkbox"/> |                      |  |

### Conclusion:

The major concern with the baking soda blasting was visibility. An improvement to the filtration/vacuum system could take care of this problem. A second question was raised about automation.