

Case History 1004

BLOW molder Improves Quality and Reduces Cost

Pelletron's customer, a major Container Corporation in Houston, TX, blow molds plastic bottles for customers, such as *DuPont* and *Safeway*. They use virgin, as well as reground PVC, Barex, and PETG. Their applications are split with approximately 70% non-food grade and 30% food grade. While all of their customers are concerned about products, DuPont is especially critical and even goes so far as using ALKA SELTZER tablets to bubble test for "leakage" from weak spots.

The Problem: this company had been experiencing with dusty and dirty "regrind" was the creation of black specs and/or white streaks in the product. In some cases, clear bottles would also end up with a greenish tint. These imperfections caused the company to limit the amount of "REGRIND" used to only 10-15%. Using 85-90% virgin material obviously caused the company to have higher costs than they liked.

The Solution: Once the "REGRIND" material had been cleaned with their P-30 DeDuster™, the company can now use 75% "REGRIND" in non-food grade applications and 30% "REGRIND" in food grade applications.

The Company saved an average of \$600.00 per day, and realized a 1 month return on the investment.

In addition to the direct financial savings, the customer has indirect savings of:

- 1. Improved "housekeeping"**

Less dust in the plant and other machinery for a healthier employee atmosphere

- 2. Compact installation**

Did not require a lot of room or interfacing pieces of equipment.

- 3. Low Maintenance**

Typical machine clean out is once every 24 hrs.

