

Case Study

High Density Extruder - Axle Rebuilding Plant

Client Overview:

- An Axle Rebuilding Facility
- Generated approximately 2 drums per day of grinding swarf mixed with cool an oil/water based coolant
- Water based coolant material needed to be disposed of as “special” waste, because it contained a large quantity of liquid, and needed to be disposed of at the rate of \$400.00 per drum
- Monthly waste volume: 52 drums, swarf/coolant mixture
- Monthly Disposal and Hauling Expenses: \$20,800.00

Conclusion:

Sebright Products' 2013X High Density Extruder addressed the complex needs of the Axle Rebuilding Facility by completely eliminating the amount of drums and costs associated with recycling the drums of coolant. Using this technology allowed the facility to significantly reduce cost savings and recycle their product back into their systems for the long-term.

Objective:

To find a solution to dispose of water based coolant at an effective cost rate per drum.

Solution:

The Model 2013X High Density Extruder was installed at this plant.

Results:

Sebright Products 2013X High Density Extruder was able to eliminate the waste volume of drums and disposal costs of the costs completely and save \$249,600 annually of disposing of the drums. The facility was also able to save an additional \$35,000 per year of costs by recycling the water coolant back into their systems.

- **Before Extruder was Installed:** Monthly 52 drums, swarf/coolant mixture, Monthly Disposal and Hauling Expenses: \$20,800.00
- **After Extruder was Installed:** Monthly number of drums of coolant to be dispose of and costs to dispose of coolant: None
- **Savings of Coolant Recycled Per Year:** \$35,000
- **Annual Cost Savings:** \$284,600

