

SEBRIGHT PRODUCTS

HIGH DENSITY EXTRUDER CASE STUDY

User: Axle Rebuilding Plant
Materials: Grinding swarf and coolant mixture from axle rebuilding process

BEFORE INSTALLATION OF EXTRUDER

MONTHLY WASTE VOLUME: 52 drums, swarf/coolant mixture

**MONTHLY DISPOSAL EXPENSE –
HAULING & TRANSPORTATION:** \$20,800.00

AFTER INSTALLATION OF EXTRUDER

MONTHLY WASTE VOLUME: None!

**MONTHLY DISPOSAL EXPENSE –
HAULING & TRANSPORTATION:** \$0.00!

APPLICATION SUMMARY

This axle rebuilding facility generates approximately 2 drums per day of grinding swarf mixed with cool an oil/water based coolant. This material, because it contains a large quantity of liquid, needed to be disposed of as a “special” waste at the rate of \$400.00 per drum.

The Model 2013X High Density Extruder was installed at this plant in May 1997. Grinding swarf and coolant is loaded into the Extruder and processed, resulting in a discharge of metal particulate in a log form in excess of 98% solids. From each 55 gallon drum of swarf that is processed, approximately 20 gallons of coolant is recovered. This customer not only benefits from savings in waste disposal expenses of \$249,000.00 per year, but also realizes avoided costs of \$35,100.00 per year by recycling the coolant back into their system. The metal discharge is now being sold for scrap through a local scrap dealer.

Through the use of the High Density Extruder, this customer’s environmental liability has turned into a bottom line profit opportunity in excess of \$280,000.00 annually!!