

Industry: Automotive
Component: Tube Bending
Material: 409 Stainless Steel
Fluid Technology: IRMCO GEL® 980-000
Number of parts trialed: 5000



Client Objective

Reduce lubricant usage - too much lubricant was being used and wasted on the floor and around the bender.

Improve parts cleaning - energy and chemical costs for cleaning was unnecessarily high.

Improve tool life - to reduce costs and improve uptime.

Improvements Achieved

- By replacing a pigmented paste with IRMCO GEL and with controlled application, lubricant consumption was reduced by 50%.
- IRMCO GEL was removed with a plain water first stage reducing cleaning costs.
- IRMCO GEL provided a controlled and consistent barrier on the tooling, increasing mandrel ball and wiper die life.

Business Value

- The reduction in lubricant usage resulted in over \$30K in annual savings.
- Reduction in washer disposal volume saved \$25K.
- Tooling life for the mandrel ball and wiper die increased on an average of 25%.