



CASE STUDY 20060301R

Less Fluid Yields Cooler Parts

Application: Metal Stampings for Automotive Interior Components

System: uni-Roller with Sproller Control

Summary: With fluid on the part and everywhere else, one automotive stamper in Michigan was encouraged to try roller lubrication for his coil stock. The tool and die people were concerned, even skeptical, thinking that additional heat and friction would be created resulting in additional tool wear, because they could not see large amounts of fluid on the parts. Unist offered to let them evaluate a system under the 30 day trial program. During this period they noticed temperature readings on the work pieces were actually several degrees lower than when they were formed with large amounts of fluid. They were convinced. When additional systems were implemented, cost savings were documented.

Details:

- Fluid consumption was reduced 25%. The annualized dollar amount saved was \$51,480.00.
- Waste disposal was reduced by 50%. The annualized dollar amount saved was \$18,884.00.
- Floor cleaner was reduced by 20%. Estimated annualized cost savings was 3960.00
- Total Hard Dollar Savings - \$74,324.00
- Fewer Dermatitis Issues.
- Fewer Respiratory Issues
- Maintenance of the presses and press room dramatically reduced due to the elimination of the "fog" of lubricant, landing on all surfaces and impregnating electrical and mechanical components.
- Housekeeping dramatically improved.
- Company showed improvements as part of their ISO 14001 obligations.