



APPLICATION CASE STUDY

COMPANY DETAILS – Scott Brass

Scott Brass Incorporated is a fully integrated mill producing brass and copper strip. Their two strip mills are feed raw product in part by a casting plant in Indiana, which reprocesses the scrap created by the customers and strip mills.

The casting plant operates 2 continuous cast furnaces. Each furnace has a roll mill to clean-up and level the brass or copper surface.

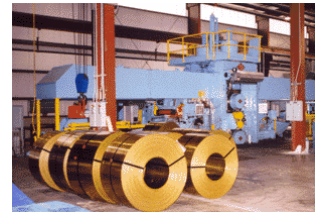


Accu-Lube PRODUCTS IN USE

22A1-SPC Applicator with stainless steel nozzles

18A1-SPC Applicator with stainless steel nozzles

LB-6800 Lubricant is feeding from a 275 gallon tote elevated above the applicators. Consumption is one tote every 4-6 weeks.



CUSTOMER NEEDS IDENTIFIED

Stage 1

Scott Brass wanted to increase tool life of the expensive solid carbide or inserted carbide 26 inch roll mill cutters. Scott Brass operates four of these mill cutters.

Another goal is to create dry chips which can be re-melted without special cleaning or vapors created.

Stage 2

Looking to eliminate the hassle of the returnable totes. ITW standard offerings of Disposable Totes and “One-Way” totes were unacceptable on their own. Disposable Totes do not allow for the level to be visually checked from a far distance. “One-Way” totes require you to either collect 12 for pre-paid pick-up by ReturNet or you need to pay freight which is estimated at \$60-\$100 per empty tote.

ACCEPTED BENEFITS

Stage 1

The tool life is in the range of 3 weeks per cutter, during full operation. The majority of the Accu-Lube fluid is consumed in the cut leaving behind dry lightweight which are easily re-melted.

After several years of successful operation using elevated drums to feed the two applicators they transitioned to returnable totes to reduce handling and make monitoring the fluid levels easier. The fogged plastic tote allows them to see the fluid level from across the plant.

Stage 2

Scott Brass started receiving disposable totes and transferring the material into the existing returnable totes. The material transfer takes about 15 minutes including setup time. Problems with return of totes and the \$100+ of freight incurred in returning a tote were eliminated.



VALUE TO CUSTOMER

Scott Brass is experiencing continuous cost effective operation of the roll mills with quality tool life and ease of processing dry chips.

The transition to the disposable totes went smoothly. Both the plant operator and the purchasing department are please with this new process. The estimated saving is \$1,300 per year due to the elimination of freight charges to return the totes.

Area: Indiana – Chris Haugen

Date: 2006

ITW Rocol North America

3624 West Lake Avenue • Glenview, IL 60026 • Tel: 800-452-5823 • Fax: 800-952-5823

www.rocolnorthamerica.com