



## **CASE STUDY 20061109R**

### **Fluid Savings Yields Pizza Money**

*Powered Roller Assists Blank Feeding, Eliminates Mess*

UNIST Powered uni-Rollers apply fluid with the same precision as the non-powered rollers, but also assist with material feeding of blanks.

**Application:** Blanking line, progressive die for the manufacture of steel cylinders

**Problems:** Primarily down time for cleaning and maintenance, and costs associated with excessive fluid usage.

**Solution:** 2 – PRL 18's (18" wide powered roller)

**Comments:** In this application there are actually two parts made in the same press bed at the same time, so it was necessary to have two powered rollers operating side by side to lubricate the blanks as they were fed. The company was previously rolling the fluid on with rollers they had made on site. Fluid could not be controlled on these rollers so the fluid was rolled on and the excess wiped off with a wiper. Even though the excess was collected, the cleaning downtime and the cost of so much fluid were making the operation very expensive.

**Results:** *Cleaning nearly eliminated*

With the uni-Roller the fluid could now be controlled precisely, so it was no longer necessary to apply any excess on the material. The wiping off of excess and collection was eliminated. The only cleaning left to do was occasional routine cleaning of the work area.

*Fluid Cost Slashed by 4K per month*

On this single operation, the reduction in fluid alone allowed this project to see a 4 month payback – yielding \$4,000.00 in monthly savings on the cost of fluid alone.

*Reduction in Scrap Rate*

Scrap rate records are being beaten every month.

*Monthly Pizza for Everyone*

Why not celebrate fluid savings? The employees using this application were already happy that the powered roller had made their lives better. When the company decided to serve a monthly pizza buffet, funded by a portion of the savings on the blanking application, this naturally added to their enjoyment.