



VORTEX DUAL CYLINDER ROLLER GATE HANDLING FOOD INGREDIENTS

Customer: **MATERIAL TRANSFER** Material Transfer and Storage
Allegan, MI

Material: Food ingredients

Product: Brownie and cake mixes

Application: A Material Transfer customer utilizes container dumpers to transfer pre-mixed brownie and cake mixes into stationary hoppers. The hoppers feed existing packaging equipment.

Challenge: The customer was seeking replacement equipment.

The existing equipment:

- 1) Leaked product between the container and the dumper pour hood, resulting in product waste and additional clean up;
- 2) Utilized forklift loading that was slow and increased cycle times;
- 3) Leaked material beneath the pour hood discharge valve.

Results:

Material Transfer specializes in material handling equipment to meet customer-specific applications. They rely on Vortex to provide quality slide gates used as an integral part of their equipment.

In this application, Material Transfer specified two Dual Cylinder Roller Gates, model SD16-MG-RS, to be installed at the bottom of the dumper pour hood of specially designed Low Level Lift & Seal Container Dumpers.

The Roller Gate was chosen due to its narrow profile, positive material shut off, and dust tight seal. The dual cylinder design was specified because it offered a shorter overall gate length and its weight is centered at the discharge.

Since installing the dumpers, the customer now experiences a cleaner operation with no product waste. The unit's floor level loading greatly reduced cycle times.

