

Technology Comparison:Total Cost of Ownership



How do two popular materials handling technologies stack up when it comes to urea prill?

Case Study: Materials handling for urea prill

- Infeed: Truck unloading feeder
- Inlet: Adapter for process connection
- Discharge: Storage silo Inlet @ 15m elevation
- Throughput: 80 tonnes (88 short tons) per hour
- Material: Urea prill

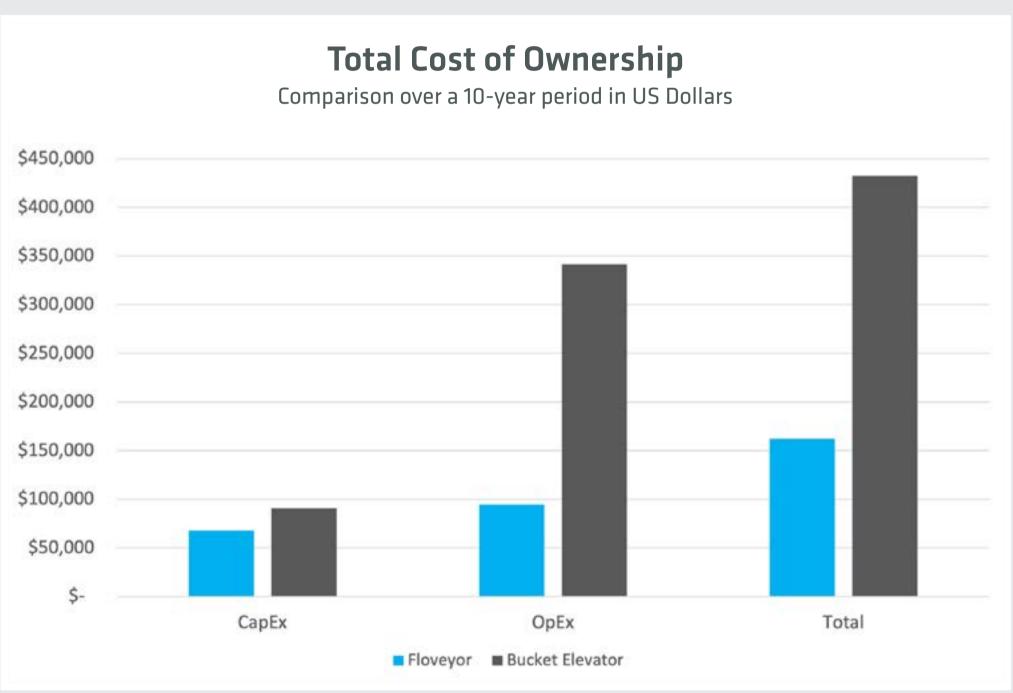
Floveyor Aero-Mechanical Conveyor



Bucket Elevator

- 5-inch conveying tubes
- Stainless steel 316 contact materials
- Stainless streel 316 structure
- 55' (16.8 meters) long
- C/W dry cleaning accessories

- Chain-driven, replaceable buckets
- Stainless steel 316 contact materials
- Stainless steel 316 structure
- 55' (16.8 meters) long
- C/W structural supports



Breakdown of Total Cost of Ownership Comparison over a 10-year period in US Dollars \$0 \$20,000 \$40,000 \$60,000 \$80,000 \$100,000 \$120,000 \$140,000 Initial Purchase Planned Downtime Maintenance Consumables Power Consumption Maintenance Manpower Unplanned Downtime Installation Ancillary Components