



**INDUSTRIAL
FLOW
SOLUTIONS™**

CASE STUDY
BJMPumps®
Gainesville, GA, USA

Cutting Costs and Clogs: Poultry Processor Replaces AODD Pumps with Reliable BJM Pumps® Solids Handling Shredder Pumps



Problem

A major poultry plant in Gainesville, Georgia, processes 2 million chickens per week. During production, chicken blood, feathers, and entrails collect in sumps beneath the conveyor lines.

The plant relied on air-operated diaphragm (AODD) pumps to move this waste, but the system proved costly and inefficient. The abrasive mixture of blood and solids wore down pump components quickly, requiring rebuilds every month.

In addition, the AODD pumps struggled with frequent clogging and downtime. Beyond the mechanical issues, the compressed air system required to run the pumps added to operating expenses, making the entire setup unsustainable.

The plant needed a pumping solution that could handle heavy solids without clogging, resist abrasion, and run reliably without excessive maintenance or high operating costs.

Solution

To address these challenges, the poultry plant installed BJM Pumps® SK Series shredder pumps, specifically engineered for solids-laden wastewater.

The SK series shredder pumps use tungsten carbide-tipped impellers to effectively shred and move blood, feathers, and entrails without clogging.

Designed for durability, these pumps thrive in abrasive environments and maintain consistent performance even in the most demanding applications.

Since installation, the pumps have operated continuously without the need for maintenance.

The SK Series shredder pumps have significantly reduced maintenance and operating costs. The plant has gained a reliable, long-term pumping solution that keeps production running smoothly.



Intelligent Pumping Solutions



BJM Pumps®, part of the Industrial Flow Solutions™ family, leads the industry with reliable, high-performance pump solutions. Committed to customer satisfaction, BJM Pumps® offers cutting-edge technology, expert support, and fast lead times. Whether it's high-temperature endurance, solids handling, or explosion-proof models, BJM Pumps® delivers tailored solutions for even the most challenging applications.

Why Choose BJM Pumps®?

- **Innovative & Reliable Solutions:** Built for harsh environments, ensuring minimal downtime.
- **Cost-Effective Performance:** Reduces maintenance and lowers total cost of ownership.
- **Tailored Solutions:** Handles abrasive slurries, caustic fluids, and temperatures up to 200°F.

Key Features & Offerings:

- **Shredder Solids Handling Pumps:** Built for industrial & municipal wastewater, handling large solids.
- **Explosion-Proof Pumps:** Safe & efficient for hazardous environments, from mining to pharmaceuticals.
- **Corrosion-Resistant Pumps:** Ideal for food & beverage, pharmaceuticals, and metal plating.

Available Approvals:

- CSA / CTUV
- FM

Available Materials:

- Stainless Steel
- Cast Iron
- Plastic

Pump Types:

- Corrosion-Resistant
- Explosion Proof
- High Temperature
- Sand, Sludge & Slurry
- Solids Handling
- Dewatering

Industries:

