



Glass Spheres are Extremely Abrasive and Difficult to Convey

## KWS Provides Heavy Duty Solution for Fiberglass Insulation Facility

### Introduction

A leading manufacturer of fiberglass insulation systems, and commercial roofing uses screw conveyors throughout their facilities for conveying glass spheres, cullet, and fibers. Fiberglass insulation is made using waste glass that would normally go into landfills.

### Challenge

Glass spheres, cullet, and fibers are extremely abrasive. Screw conveyors made of carbon steel will typically wear out in less than 3 weeks causing failures, downtime, and loss of profitability. The specific screw conveyor application involved conveying glass spheres, about 1-inch in diameter. The existing screw conveyor had failed, and a new unit was required immediately.

### KWS Advantage

The KWS team quickly produced a solution to eliminate downtime. Technical Field Specialists from KWS visited the plant and reviewed the application. A new screw conveyor was designed and manufactured using heavy schedule 120 pipe with a wall thickness of  $\frac{3}{4}$ -inch to ensure that there would be no premature failures. Additionally, the carrying faces of the screw flights, OD, and outer surfaces of the center pipe were hardsurfaced with a special chromium carbide alloy. As an added bonus, KWS manufactured and delivered the new screw conveyor in 7 days, saving the plant significant downtime.

### Customer Testimonial

“Thank you KWS for the quick turnaround on the screw. Very robust and built to last!”

- Greg G., Account Representative

Installation Address  
Summit Argo, Illinois 60501



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Fiberglass Insulation is Made Using Waste Glass



Carrying Faces, OD, and Center Pipe are Hardsurfaced with Chromium Carbide



KWS Manufactured and Delivered New Screw Conveyor in 7 Days