

# CaseStudy

## CAMS Screw Conveyor

Essential information from ProSpare

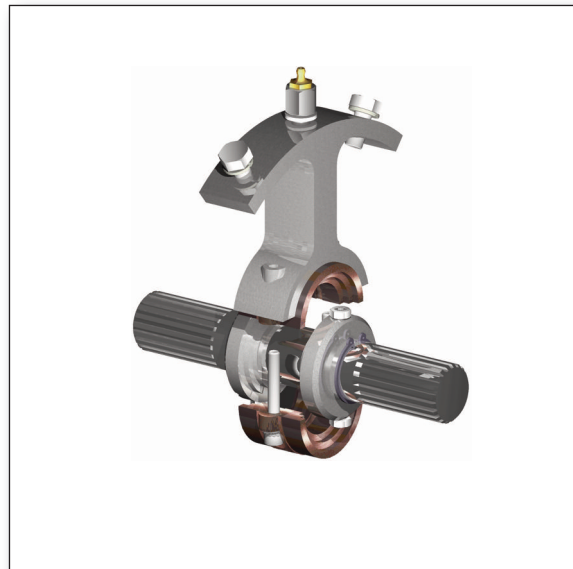
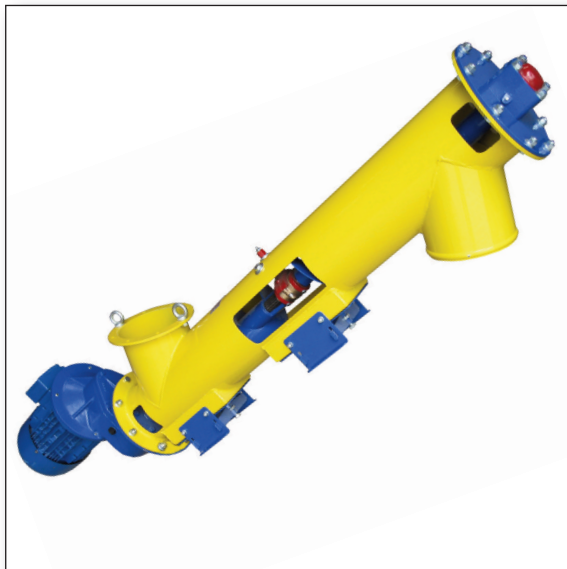
January 2010

### The Problem:

Limestone filler screw conveyor identified as production bottleneck on a busy asphalt plant.

### Previously Used:

Traditional screw conveyor design without hanger bearing requiring oversize worm and pipe, with consequent throughput reduction.



### ProSpare Solution:

**CAMS Screw Conveyor**

### Key Feature:

Labyrinth protected hanger bearing and shaft connections.  
Temperature resistant up to 250°C.

### The Improvement:

Batch cycle time reduced by 41%

### Benefit Breakdown:

**Productivity** - significant increase in production volume

**Efficiency** - improved plant performance

**Safety** - better access for maintenance

**Plant Reliability** - fewer breakdowns

**Maintenance** - less intervention

**Low Cost** - all parts available in component form

**Sustainability** - less power consumed

**Capital Outlay** - low cost plant upgrade

**Cost Effective** - immediate return on investment

**ProSpare**

POWDER PROCESSING EQUIPMENT