

Application:

**Grain Handling Facility – Cottonseed
Livebottom/outloading conveyors**

The challenge:

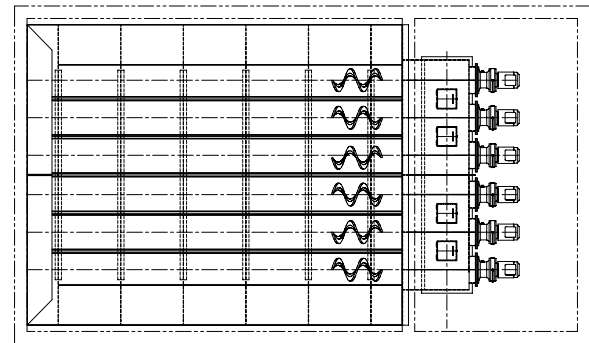
A large grain processing company was looking for a better method of unloading and transporting cottonseed. Traditional shafted conveyors (augers) do not handle cottonseed very well as blockages occur, shafts break and hanger bearings are a constant maintenance problem.

The SPIRAC proposal:

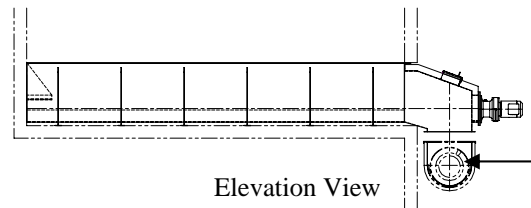
A SPIRAC Livebottom shaftless multi-screw conveyor:

- Six heavy high tensile steel screws, in counterrotational pairs
- Low RPM high torque drives
- Large diameter (365mm) screws
- Special Duraflo SPX trough liner for low friction, long life operation

The SPIRAC product:

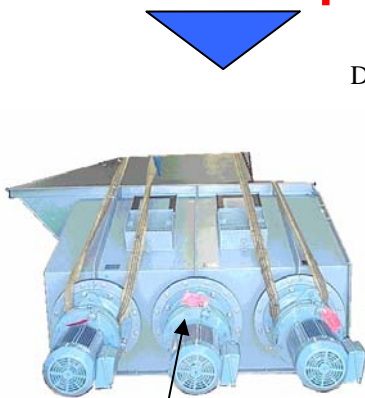


Plan View



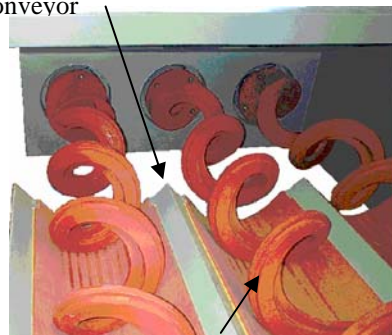
Elevation View

Transfer conveyor

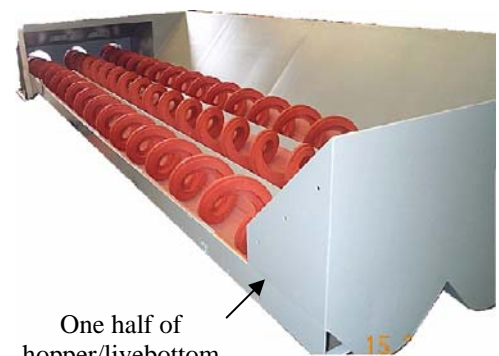


High torque
24 RPM drives

Discharge into transfer conveyor



Large, low RPM, high tensile
strength spiral screws



One half of
hopper/livebottom
assembly

Contact:

For additional information or contact details for this project or your local SPIRAC office, check our Website at www.spirac.com

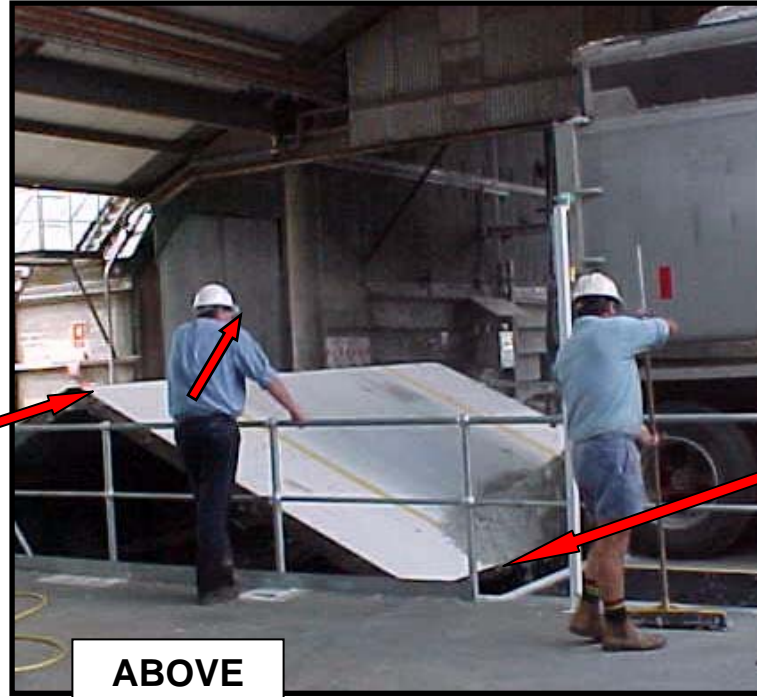


SPIRAC[®]
Conveying Technology

Case Study

No. CS-3943-AU-GRN

The Installation

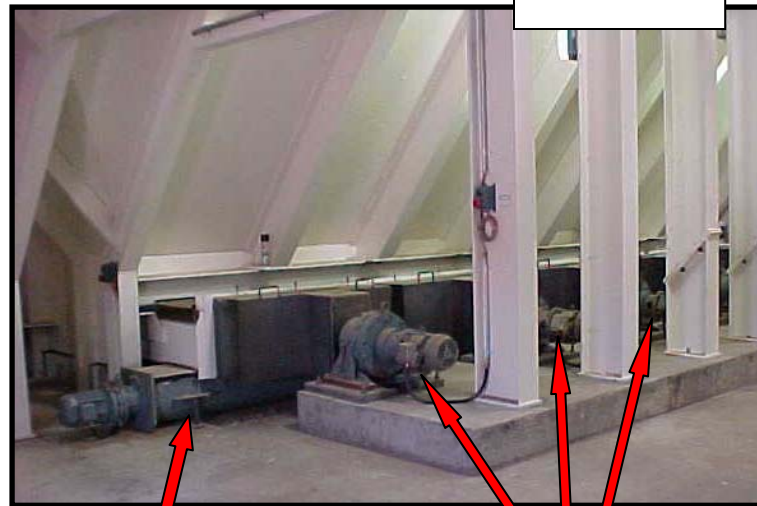


Retractable
"drive-over"
chute lid

Grain
unloading
chute

ABOVE

BELOW



Transfer
conveyor

Speed reducing
drives

The Benefits

- No plugging
- High unloading capacity
- Very low maintenance
- High reliability
- Easy cleaning

Contact:

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