

Industry:
Wood Processing

Plant:
Rejects Screw
Conveyor

Lining System:
K-CLAD Metallic Lining

K-CLAD LINED REJECTS SCREW CONVEYOR

Key Benefits:

- ✓ **Out performs traditional wear plate**
- ✓ **Maintains operational uptime**
- ✓ **Reduction in maintenance costs**
- ✓ **Can be repaired when necessary**

Problem: This equipment was originally fabricated from abrasion resistant steel plate which albeit outperformed carbon steel plate. The equipment wasn't giving the enhanced benefits claimed by the OEM who supplied the machine.

Wherever the steel structure had been exposed to heat during the profiling or welding phases of construction resulted in a softening of the surface hardness which ultimately leads to a failure at these points.

Solution: In identifying the weak spot in the system Kingfisher re-designed the conveyor screw using our 12mm thick K-CLAD hard faced plate which offered the same structural integrity of the OEM's equipment but offered superior wear resistance.

Benefits: This enhancement of the system has led to increasing operational efficiency due to its ability to perform continually without the need for replacement or repair. Likewise, the system has now been in service for 5 times longer than the original OEM's equipment supplied and is expected to continue to perform for at least another 2 to 3 years without the need for repair or replacement.



Protecting Industry Worldwide