

Industry: Recycling

Plant: MRF Glass
Separator

Lining System: K-TEX
polymer

K-TEX LINED GLASS SEPARATOR

Key Features:

- ✓ **Improved wear resistance**
- ✓ **Maintain operational uptime**
- ✓ **Reduces expensive replacement**
- ✓ **Minimal increase in weight**

Problem: An original equipment manufacturer (OEM) of a glass cleaning system on a UK MRF facility designed a separation system consisting of a zig-zag screen alongside a separation cyclone and reverse jet filter. After only a few weeks of operation the steel construction of the equipment began to perforate due to the amount of wear taking place as small fragmentations of glass and silica were conveyed through the system at high velocities. Over an extended period the screen, ducting and cyclone separator

became unfit for purpose as the amount of holes that developed within the steelwork was such that there was a constant requirement for the plant operators to cater for the effects of product discharge exiting through the holes in the system. Kingfisher were asked to visit site to undertake a survey of the process and problems and it resulted in recommending a protection system that would improve the performance and service longevity of the plant.



Solution: Having had success with our K-TEX polymer lining system within sand washing plants, we opted to line new steelwork with our 6mm thick material. All remanufacture, surface preparation, internal lining and painting of the equipment was carried in house as per the OEM's new design.

Benefits: The plant was put back into service it has been operational for many months with no detrimental effect to the integrity of the equipment structure. During a recent site inspection we accessed areas of the plant that were prone to high wear such as the screen deck, the bends in the ducting and the high impact areas inside the cyclone and all areas all performing to the expected level of service.

Protecting Industry Worldwide

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