

# Castle Cement - Ribblesdale PFA

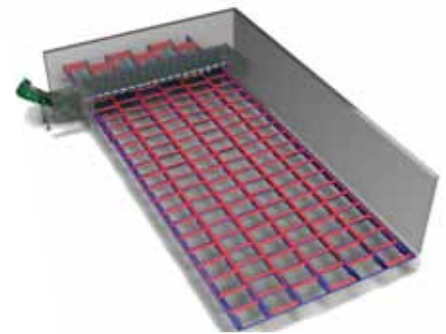
## PFA Reception Bunker with Push Floor Discharge Machine



Saxlund International won the contract to supply this PFA (Pulverised Furnace Ash) Reception Bunker for the Ribblesdale Cement Works in Yorkshire.

The PFA is unloaded by front loaders into the Reception bunker and then discharged onto a Saxlund supplied weigh conveyor by the Saxlund Push Floor machine. The Push Floor machine discharge rate is controlled via feedback from the weigh conveyor.

The PFA Reception Bunker had to be designed to fit in a tight space within an existing building, so the space efficient Push Floor machine and Bunker was the ideal choice for this difficult to handle material. The control panel for this system was also within our scope.



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## PFA Reception Bunker with Push Floor Discharge Machine

Here at Saxlund, we thrive on being at the forefront of the bulk solids handling and storage industry. Our dedicated team of professionals are constantly developing new machinery and components, to ensure we give you the customer the best quality possible and keep Saxlund the industry standard.

Over the last 50 years our group have had constant demand from companies worldwide. We offer a complete solution - bespoke design, construction, commissioning and comprehensive "after-sales" support.

Our specialist knowledge, with particular expertise in flat bottom silos and bunkers, can be applied to bulk materials and alternative energy solutions for industries including cement, bioenergy, wastewater and recycling.

### Technical Data

Saxlund project ref. no.:	SUK 1045
Year of construction:	2005
Material:	Lagoon Ash (Pulverised Furnace Ash)
Bulk density:	950 kg/m <sup>3</sup>
Dry solids content:	10 - 50%

### SPECIFICATION

Discharge rate:	14 – 80t/h
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### EQUIPMENT

#### 1 x Push Floor Bunker with Push Floor Discharge Machine

Bunker Size:	4350mm x 3500mm x 4500mm
Bunker Capacity:	68.5m <sup>3</sup>
Push Floor Type:	SB-220 -2 x 1750
Hydraulic cylinder diameter:	200mm
Hydraulic power pack motor rating:	55 kW

#### 1 x Weigh Belt Conveyor

Type:	DB
Belt Width:	1080mm
Length:	9000mm
Accuracy:	± 1%

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