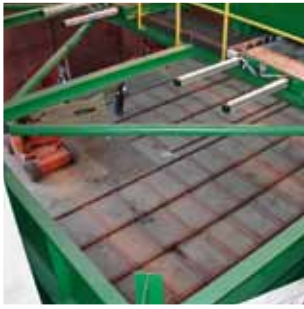


Slough Heat & Power

Push Floor



Slough Heat & Power supply electrical power and some district heating within the Slough Trading Estate area. They have an existing boiler plant but have recently installed a new boiler dedicated to burning waste materials. This waste is largely shredded and partially densified paper, cardboard and plastics. This is stored in a Saxlund Push Floor bunker mounted at ground level so it can be loaded either from tipping vehicles that drive onto the Push Floor area or from overhead conveyors. The machine discharges on demand at a metered rate to the boiler bunker via a system of conveyors. The plant is operated by an SH&P subsidiary called Fibre Fuel Ltd.



www.saxlund.co.uk

Slough Heat & Power

Push Floor

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 1022
Year of construction:	2002
Power Station Output:	10MWe
Material:	Shredded waste
Bulk density:	120 - 320 kg/m ³
Humidity:	15%
Equipment	
1 x Push Floor (Long)	
Type:	ZB
Number of Push Floors:	4
Length x width:	approx. 19685mm x 1507mm
Pusher bar profile:	150mm x 30 mm
Discharge capacity:	max. 41 m ³ /hr each push floor
Hydraulic cylinder type:	220 dia. x 110 rod x 700 stroke x 90 pin
1 x Push Floor (Short)	
Type:	ZB
Number of Push Floors:	3
Length x width:	approx. 11806mm x 1507mm
Pusher bar profile:	150mm x 30 mm
Discharge capacity:	max. 41 m ³ /hr each push floor
Hydraulic cylinder type:	180 dia. x 90 rod x 700 stroke x 90 pin
Hydraulic Power Pack	
Capacity of oil reservoir:	500L
Drive Capacity:	22kW (Long) and 18.5kW (Short)
Pump Capacity:	65 l/min (Long) and 46 l/min (Short)
Max. Pressure:	200 bar

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