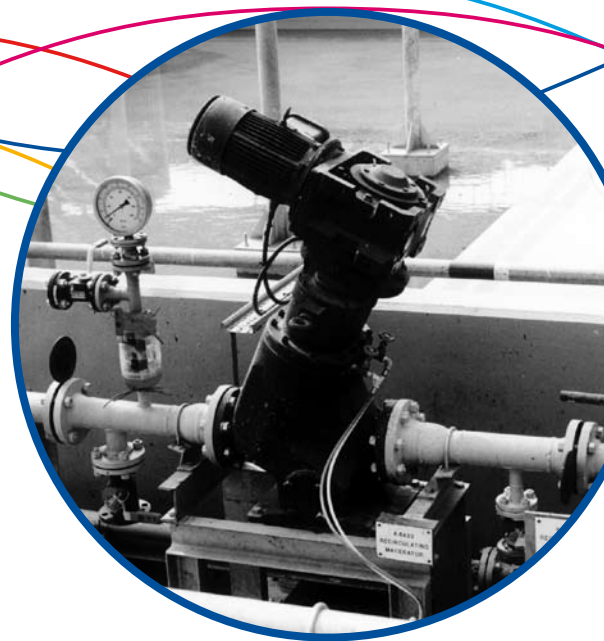


## Mono Muncher® Improves Process Efficiency



Rugby Cement in Cambridge is using a number of TR Munchers from Mono® NOV to grind all debris in the secondary liquid fuel used for firing its wet process cement kiln. The presence of debris can have costly consequences in terms of downtime and maintenance.

A major cement company in the UK, Rugby Cement produces in the region of 2.6m tonnes of cement per year (0.5m tonnes using the wet kiln process) which is used primarily by the construction industry.

To minimise fuel expenditure, Rugby Cement uses recycled solvent waste, commonly referred to as secondary liquid fuel, a by-product from the paint and printing industries. The fuel is delivered by road tanker and transferred to the main storage tank.

To prevent any debris in the secondary liquid fuel blocking the pumps and filters, the solvent is passed through a Mono TR Muncher which has been installed on the storage tank inlet.

As a secondary measure, a TR Muncher has also been installed on the main storage tank recirculating system to minimise build-up of debris in the bottom of the tank.

The TR Muncher incorporates 150mm diameter cutters to grind large objects easily, also resulting in increased flow

because of improvements in swept volume. The cutter stacks are set at an angle to the incoming flow in a layback design to reduce the possibility of damage by rogue materials. Rejected solids drop into a built-in trash trap set clear of the cutter stacks. The trash trap is fitted with a large diameter access port to enable easy removal, cleaning and flushing.

The complete drive, gearbox and cutter assembly can be removed from the unit's casing without dismantling the machine or removing the casing from the pipework, simplifying routine maintenance procedures.

The cantilevered shaft design eliminates the need for bottom seals and bearings, significantly reducing wearing components and offering cost savings.

Rugby Cement chose the TR Munchers following recommendations from several companies within the water industry and the successful performance of other Mono equipment on site.

Muncher:	1 off CT203CBW1A2
Product:	Recycled solvent
Capacity:	60m <sup>3</sup> /h
Drive:	2.2 kW motor



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