

BEST PRACTICE

LOCATION:	Lime & Slag plants	ARTICLE YEAR	2012
ACTIVITY:	Maintenance & Housekeeping	COMPANY:	Singleton Birch Ltd
SUB ACTIVITY:	N/A	COMPANY LOCATION:	Melton Ross Quarries
BEST PRACTICE No:	BP811	COMPANY TEL:	01652 686000
COUNTRY OF ORIGIN:	United Kingdom		

TITLE

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Maerz Kilns – Discharge Table Cylinder Modifications

ARTICLE

DESCRIPTION

Singleton Birch's operation located at Melton Ross has 4 lime kilns each of which incorporate a mechanism of shuffle feeders, known as discharge tables, these are powered by hydraulic cylinders. The discharge tables control the output of the Calcium Oxide from the kilns, they are hydraulically powered and operate 24 hours a day.

Should a cylinder require maintenance, it was necessary to enter the kiln to disconnect the discharge tables from the cylinders; this involved the release of a pin. Maintenance on the cylinder required an operative to enter a confined and potentially hazardous working space in the kiln to release the pin. The works designed a simple and innovative solution to this problem, moving the connection outside the kiln.

BENEFITS

- No confined space entry work is required to service cylinders
- Morale of personnel tasked with the work improved
- One person can test and repair mechanism easily
- Reduced production downtime.

SEE ADDITIONAL PDF FOR MORE INFO

ARTICLE IMAGES

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