



## **Priestroyd Mill, Firth St, Huddersfield**

November / January 2002

Main Contractor: JR Cookson (Contracting) Ltd.

Project Engineer: Doyle Partnership

Priestroyd Mill is currently being restored as a working textile mill. Initial surveys of the building found signs of distress, which required underpinning of the foundations and walls in order to support the heavy weaving machinery which is to be installed as part of the restoration.

A piled needle and slab system was proposed by the Engineer, to strengthen the building. Systems Geotechnique were selected as the piling contractor by JR Cookson Ltd, and after designing the piling system, commenced the construction of 203 No. compression/tension piles. The piles were 178mm diameter air flush rotary duplex drilled through fill and clay into the underlying sandstone to form a 150mm diameter rock socket. Despite difficult drilling conditions due to limited space and headroom, one of our Klemm KR701 rigs made good progress. A second visit at the start of January 2003 with a smaller TD308 drilling rig completed the works to the satisfaction of the client. All piles were integrity tested.