



DANIEL SMITH INDUSTRIES LTD

JOB PROFILE

Waikaka Mine - Cranage supply for Assembly of 450 bucket wheel excavator Southland, New Zealand

Client: L & M Mining Ltd, Christchurch
Cranage Value: \$170,000.00
Cranage Period: May 2001 to July 2001
DSI Project Supervisor: Peter Gregan

L & M Mining employed Daniel Smith Industries as cranage and rigging contractor for assembly of equipment at the Waikaka Gold Mine, Southland, New Zealand.

This contract involved the assembly of a 450 ton bucket wheel excavator, 2 no. transfer conveyors and 1 large cross pit floating conveyor, and gold plant screening equipment. Assembly of the bucket wheel excavator was complex in that the 125 ton main frame had to be lowered (to within extremely tight tolerances) over the slew ring seal. This was completed using 4 no. 55 ton Kobelco crawler cranes, lifting the main frame and walking the pre-assembled track body under the main frame. An 85 ton capacity lift equalizer beam was manufactured to ensure equal load was spread between the 4 cranes in a 3 point lift arrangement.

DSI provided technical expertise and design, transportation of cranes and equipment, specialised heavy lifting gear, riggers and operators for this most interesting project.

