

the Contractors

of innovation & success



Introducing the Vermeer D50 x 100 directional Drill.

The largest Directional Drilling Machine in New Zealand was added to our fleet in December 1999.

This machine continues to impress both contractor and client with its ability to drill large diameter bores long distance through challenging ground and rock.

The Vermeer D50 x 100 directional drill has the capacity to install 600mm \varnothing pipe 500m long in a single operation.

Electronic bore path planning and computer guidance.

Our Vermeer directional drill coupled with pre drill electronic bore planning and computer guided drilling has produced a very powerful tool for completing projects that were considered impossible 6 months ago. This system also provides a permanent record of the bore for future reference and as-built supply to the client.



0.1% grade accuracy to the industry

Technology the industry has to offer. A new release on the market has increased the standard grade to 0.1%. Up until recently directional drilling was the only technology in the industry to drill within 1% increments of grade.

We have test run this new transmitter on two recent projects for the North Shore City Council. The first was a 400mmØ HDPE sewer pipe 455m long under 4 fully operational fairways. The design grade of the sewer was 0.8%. This drill was not achievable with a traditional transmitter. The "sewer sonde" (0.1% transmitter) performed well and the drill path was achieved within the tolerances set out by Harrison Grierson the Consulting Engineers for the project.

The second project involved the installation of 350mmØ concrete lined steel pipes at a grade of 0.6% in sand stone. This project would have been an impossibility by directional drilling methods 6 months ago.

Rock bit

A new Smythe weapon in utility installation in hard ground is the purchase of a 180mmØ rock bit. This rock bit has the capacity to break through 25-30 Mpa rock. (Steerable Air hammer available for rock over 30Mpa). This rock drilling capacity used in conjunction with the Vermeer D50 x 100 and computer guided drilling, offers increased flexibility in design and construction methodology.



Once again Smythe Contractors set new standards in the directional drilling industry. If your job is challenging and is important to you or your client, talk to us first.

Further Information

Further information on our services can be obtained by contacting:

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