PRECISION TRENCHING IN BASALT FOR COMMERCIAL WORKS

CASE STUDY



Case Study: **Precision trenching in Basalt for commercial works**

Client: Commercial Concrete Contractor

Industry: Construction and Civil Engineering

Location: Deanside, Victoria

Project Scope: Excavating precise trenches through hard basalt rock for a commercial build

THE **PROBLEM**

A commercial contractor was tasked with excavating precise services trenches for a new building.
The site presented a formidable challenge: the ground was composed of dense basalt rock. Using the traditional method of a rock breaker (hydraulic hammer) and bucket would have been slow and inefficient. More critically, this approach often causes significant "blow-out" – fracturing the rock beyond the required trench lines.
This creates messy, oversized trenches that consume a far greater volume of concrete, dramatically increasing material costs and project timelines.

FOCUS MACHINERY





THE **SOLUTION**

Focus Machinery provided the ideal solution with our high-performance Rock Saw, equipped with a 1400mm diamond blade and mounted on the client's Sumitomo 13 tonne excavator. This setup delivered precision and control, cutting cleanly through basalt rather than fracturing it.

The Rock Saw is purpose built for accuracy in hard rock excavation, transforming a challenging task into a streamlined process. Its diamond blade produces sharp, precise trench edges without blow out, ensuring work is completed exactly to specification. Cutting is also significantly faster than hammering and clearing, accelerating project timelines. An integrated dust suppression system reduces airborne particles, supporting a safer and cleaner worksite.

THE **RESULTS**

The Focus Machinery Rock Saw delivered precise, efficient trenching through hard basalt, reducing costs by eliminating overbreak, accelerating the project timeline, and ensuring clean, high-quality results. The integrated dust suppression system improved site safety, while the accuracy and speed of the attachment impressed the contractor, directly enhancing both profitability and delivery.

Precision | Efficiency | Safety| Savings

Go Ahead and Dig®

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