



## Archway drilling rig

Who is archway engineering?

Archway Engineering has over 50 years of drilling equipment design and manufacturing experience and has a highly skilled workforce capable of designing and manufacturing drilling equipment to customers' specifications. We maintain large stocks of all types of drilling equipment and can satisfy many orders quickly from stock.

What is arc drilling?

ARCH drilling combines direct air rotary drilling with the simultaneous operation of a casing hammer. An oversized casing is driven into an undersized bore using air as a circulation medium, allowing for efficient drilling and sampling. When Should ARCH Be Used?

What services does archway offer?

As well as offering new equipment, Archway provides a complete repair and refurbishment service on used drilling equipment. To minimize your inconvenience we can arrange round-trip transport for equipment from and to your own depot. Archway has a proven internal quality control system which covers:

Can arch be used to drill through bedrock?

ARCH is best suited for alluvial formations and is not built to drill through hard rock. It can be used initially to cut through overburden and then be seated on bedrock, allowing drillers to switch to another method for bedrock drilling, such as direct air rotary with a downhole hammer or mud rotary. ARCH is versatile and can be used for:

Where is archway made?

Operating from a modern factory in West Yorkshire, England, much of Archway's production is achieved using the latest computer numerically controlled (CNC) machine tools. This allows rapid turn-around times on customer orders and enables Archway to maintain uniformly high quality standards and competitive prices.

What is the difference between Mud rotary and arch drilling?

The mud rotary method damaged borehole walls and aquifers, whereas ARCH provided significantly higher productivity. ARCH is not the perfect solution for every drilling project, but in alluvial formations it is definitely one worth considering.

**METHOD STATEMENT FOR DRILLING & SAMPLING WITH ARCHWAY COMPETITOR RIG**  
General The Competitor is designed to sink boreholes up to 130 mm diameter through soils ...

Window samplers are designed to take disturbed soil samples from different depths. They are increasingly used for investigation of contaminated ground. ...



## Archway drilling rig

A slope-climbing rig is a unique track-mounted drilling rig capable of undertaking dynamic sampling and rotary drilling on slopes of up to 45 degrees. They can ...

Our in house teams use a lightweight Archway dart rig to collect undisturbed samples to a depth of approximately 8mbgl. This rig uses a 63.5kg weight to hammer selected lined sample tubes ...

Windowless Sample Drilling We drill exploratory boreholes using our tracked Archway Dart Heavy Duty Rig. NVQ L2 Certified Staff.

Our Archway Engineering tracked heavy duty, lightweight and stand alone dynamic sampling rigs are all fitted to the highest specification with extra ...

The rigs are designed for use by a single operator and drilling can begin within minutes of arrival on site. Because the units are light in weight, site ...

Casing and Rig Hire Borehole Solutions provides a range of different, versatile drilling rigs for projects, as well as several casing hire options. These include the Dando 150, 2000, 3000 and ...

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The first and most common tool for the job is the Archway Lightweight Dart Rig. This versatile rig uses a 63.5kg weight to hammer plastic ...

Case Studies I have been drilling window sample boreholes for 15 years now and have operated most of the Window Sampling Rigs on the market. In 2009 we settled on the Archway Heavy ...

The Arch Rowan drilling rig is owned by Rowan which can be contacted for jobs and careers on the Arch Rowan. The Jackup is a Jackup type of rig and is designed as a ...

Boreworx LTdOur team of expert drillers ensure they have the utmost professionalism whilst working hand in hand with our clientele. We specialise in Windowless Sampling with Archway ...

The air rotary casing hammer method (ARCH) combines modern air drilling techniques and modern pile driving equipment to do the jobs fast and efficiently that historically have been ...

The application field of arch drilling rigs is broad, and the development trend is towards automation, intelligence, green environmental protection, modularization, multi ...

Geotechnical Drilling We supply several types of core bits specifically designed for high performance in geotechnical applications. These may incorporate both ...



## Archway drilling rig

The Speedstar CH 50K is one of the most technologically advanced rigs available in the drilling industry today. Our fleet of 50K rigs comes equipped with an onboard casing hammer and was ...

The hydraulic piston sampler is designed for taking undisturbed samples in very soft to stiff clays. The necessary hydraulic load for operating the equipment is ...

We specialise in Windowless Sampling with Archway Dart Lightweight rigs. We have 15 years experience using these rigs for Standard Penetration Testing, Super Heavyweight and Heavy ...

ARCH is basically a tool designed to drive casing through alluvial deposits that won't support a hole. These deposits are formations that cave in behind the drilling tools, like loose sands, ...

Structural Soils has an extensive in-house fleet of drilling rigs, as well as direct access to additional drilling rigs through our sister companies Our lead drillers ...

Archway Dart rigs are mechanically simple and easy to operate. The rigs are designed for use by a single operator and drilling can begin within minutes of arrival on site.

Air rotary casing hammer technique (ARCH) is an air rotary technique used for drilling in rock formations. Air rotary drilling utilizes air as the circulating medium instead of a ...

It is important to ensure that the rig is level and mast vertical prior to sampling, thus ensuring that the rig is stable. Also note that tools may become stuck fast in a borehole if the mast deviates ...

Rotary drilling is a method used to drill deep boreholes in rock formations. Learn more about rotary drilling services provided by Cascade Environmental now!

When brothers Charlie and Arch Rowan had the opportunity to purchase a drilling rig in 1923, they decided to seize the day. Charlie, who had experience in the oil fields with Humble Oil, ...

Rig Repair Archway offers a full rig repair service for the different Archway manufactured rigs, including a final test to check that the rig performs to ...

ARCH drilling combines direct air rotary drilling with the simultaneous operation of a casing hammer. An oversized casing is driven into an undersized bore using ...

The rig is 2.6 meters long and between 0.7 to 1.2 meters wide. It can traverse slopes up to 25-30 degrees and no more than 20 degrees cross slope. The rig ...



## Archway drilling rig

Web: <https://kwa-andries.co.za>