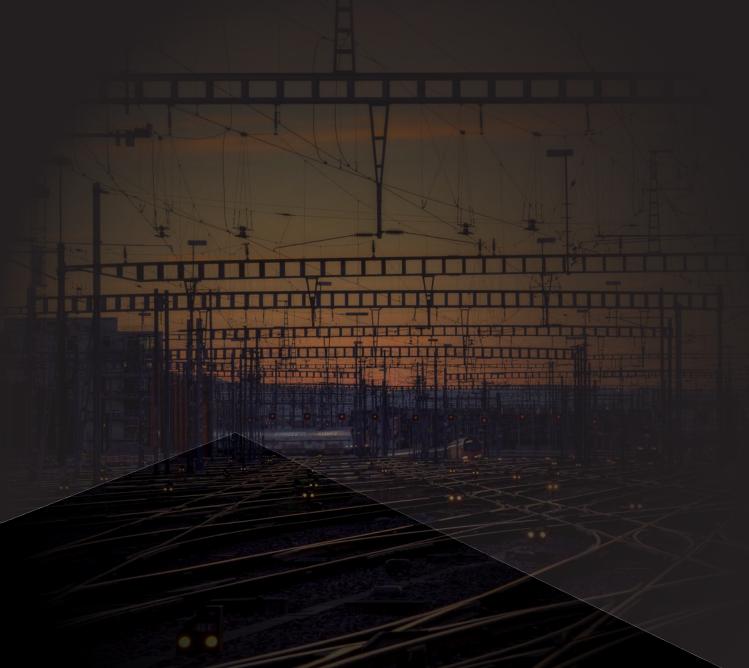
Arbil Rail

Maintenance Tools for Overhead Line and Permanent Way



Sales | Hire | Service | Engineering



Arbil Rail

Established in 1963, Arbil Rail has built up a wealth of experience in the manufacture of complete product lines such as the Zwicky™ range of hydraulic track jacks and a full suite of sleeper handling beams, whilst also designing and manufacturing one-off, large-scale, bespoke fabrications.

Not just a manufacturer and distributor of premium products, Arbil also prides itself on being able to respond to all its customers' needs, through its dedicated service facilities and considerable hire fleets.

So whatever the requirement, customers can be secure in the knowledge that the stress and strain of any project can be passed onto Arbil's shoulders, leaving Arbil to focus on what it does best and the customer free to do the same.

Sales, Service, Hire - a winning combination.



Rail Expertise

A dedicated team of industry experts in each of Arbil's specialist divisions are on hand to provide technical advice and single source solutions for lifting and handling products, which support Permanent Way and Overhead Line applications.

Time served expertise allows Arbil to innovate and constantly update its product lines whilst designing new products through collaboration with its clients.

Always from a hands-on perspective.

Arbil also ensures that its qualified staff and engineers always have the right tools at their disposal: drawings and long-standing historical records of finished goods and parts, an unrivalled collection of test and service facilities for both in-house and on-site applications, significant stocks of raw materials, OEM spare parts and finished goods, and a hire fleet to cope with the largest of projects.

Accreditations











Permanent Way Equipment

Reliability and durability are essential for all track maintenance and renewal projects. In addition to own-manufactured product lines, Arbil Rail represents a number of carefully selected partners of leading brands, chosen specifically to ensure maximum efficiency and the minimum of complication on site.

Arbil's hire fleets also reflect this commitment to quality.

Ratchet Hydraulic Trip Track Tools Ratchet Hydraulic Trip Jacks Cable Drum Cylinders

Rail and Sleeper Handling

With bespoke rail lifting beams at its core, Arbil offers a range of solutions for the handling of a variety of rail sections and sleepers. The comprehensive range of beams includes sleeper, ballast and handling varieties, all available in a variety of capacities. Other items manufactured in-house include special terminal fittings such as the ubiquitous Arbil-designed sleeper lifting hook, narrow jaw shackle and lift plate. Further products include lifting clamps, rail thimbles and scooters.



Overhead Line

After many years of dealing in this specialised sector, Arbil Rail has identified a broad range of quality, lightweight products for use on overhead line installation and maintenance, including:

- Yale[®] Lever Hoists
- Tirfor™ Machines
- Bowthorpe Clamps, Wedges and Slings
- Dillon® Tensionometers

All products are available for sale or hire and Arbil's service, test, calibration and verification skills are at hand to complete the service. In addition, Arbil Rail supply a wide variety of height safety equipment.

Case Study

Challenge: With record numbers using railways, Network Rail looked to improve the speed and safety of testing, maintenance and replacement of overhead lines to keep the railways running smoothly.

Solution: Production of a bespoke kit of labour-saving equipment, tailored to the needs of overhead line engineering teams. The kits incorporate market leading products including a Hydraulic Tirfor™ Machine and Petrol Powerpack, WARN® PullzAlls, Dynafor™ Load Link, along with Roundslings, Duplex Straps and Green Pin Shackles to suit, providing all the necessary tools required to carry out testing, maintenance and replacement of overhead lines.

Benefits: Repair and routine maintenance times were greatly reduced, leading to reduced operator fatigue, improved process efficiencies and cost savings.

Sleeper
Beams
Rail Thimble
Drag
Clamps
Bag Beams
Rail Clamps

Rail Handling Beams



ZWICKY Hydraulic Track Jacks

Trusted in the rail industry for over 70 years and manufactured by Arbil Rail in the UK, Zwicky™ jacks remain British made and still represent the most complete range of obstructionless jacks available.

Now a globally recognised brand, Zwicky™ has the reputation for being arguably the most durable and effective tool of its type on the market.

Standard paint finish is hammered blue, however, alternative colour coding is available on request. All models are available with either standard or insulated operating levers.

Only genuine Zwicky[™] parts are used by Arbil's service division, which also services Duff Norton (with the well known Arbil 'Bills' aluminium body), Stumec and Simplex jacks.



MASS ZWICKY ORDER **CHALLENGE**

To build upon and replace a fleet of Zwicky™ Hydraulic Track Jacks totalling in excess of 700 units.

As the Original Manufacturer of the Zwicky™ range of Hydraulic Track Jacks; Arbil Rail has established itself as one of the leading rail equipment manufacturers and providers. This was no secret to one of Arbil's largest customers, who knew where to turn to for its fleet of tried and tested Hydraulic Track Jacks. The Zwicky™ range of Hydraulic Track Jacks has been trusted in the rail industry for over 70 years. With Arbil as the OEM for the range, the jacks still remain British made and represent the most complete range of obstuctionless jacks available. The quality of these jacks is fully understood within the industry, with one of Arbils' key customers only using this line of Jacks. Brian Timmington, Arbils Engineering

Manager Explains,

"The Zwicky™ is now a globally recognised brand and due to its popularity we have mastered the art of turning production of these products around quickly!

developer maintainer of rail

SOLUTION



Over 700 Zwicky™ Track Jacks manufactured and delivered into various UK locations for the customer, including 8 and 20 tonne Toe Jacks and 10 tonne Pan Jacks.

This bulk order was placed, as on a 3-5 yearly basis this particular customer reviews all of its track jacks, replaces the older models, but then more importantly builds on its fleet as the company is constantly looking to expand." Timmington continues,

"The customer had approached us with their initial estimates for the numbers they required, and due to the size of the required order we were able to offer an extremely competitive price. These Jacks are not the cheapest on the market, however you get what you pay for and these jacks are arguably the best in the industry. When it comes to the safety of workforces there really is no excuse for cutting corners."
This order was made up of three of the four

Zwicky™ products that Arbil manufacture. The 8 and 20 tonne Toe Jacks were popular lines. These products are both tested to 25% over their rated capacity and come complete with an overload safety valve. The 8 tonne is designed for rails of 42kg and over, and can be placed under the rail without removal of the ballast. The 20 tonne is designed for use on switches and crossings and is obstructionless for rails of 42kg and over.

The final product was the 10 tonne Pan Jack. This product is designed to be placed under the rail without the removal of the ballast and despite its impressively low height

crossings and 17

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BENEFIT



Leading range of durable and effective hydraulic track jacks now in use. Order manufactured within a short time frame. Peace of mind that both an industry leading manufacturer and products are being used.

"a fleet of Zwicky™ Hydraulic Track Jacks totalling in excess of 700 units."

of just 95mm, it is capable of 101mm lift due to its telescopic ram. Timmington concludes, "Due to the nature of how popular these products are, we always keep in stock enough component parts to build in excess of 100 of each of the lines at a moments notice. As soon as we confirmed this order we set to work straight away. We have in excess of 10 engineers who specialise in the production of the Zwicky™ range so we were able to turn all of these products around quickly. The customer required the delivery of these products to be broken down in multiple UK drop offs. Due to our frequent dealings with railway maintenance and development companies, we are familiar with their workings and even keep their corporate brand colours in our paint storage. All of these products were sprayed in the customers corporate colours before being dispatched, a small finishing touch, but something that really makes these products stand out from the competition. It is the industry leading quality of these products that produces all of our bulk and repeat orders. They are a line of products that I am proud to say I am part of producing"



Manufacturing Solutions

Arbil Rail is the manufacturer of a number of high specification track maintenance tools including the Zwicky™ range of hydraulic track jacks, automatic rail clamps, lifting beams, rail thimbles, A-frame gantries and many other lifting and handling tools and components.

From initial design, prototyping, field trials and final design amendments, Arbil's philosophy of working closely with each customer ensures a suitable and cost-effective solution.

Contract manufacturing is a core offering of Arbils, providing cutting edge solutions from small components up to large-scale bespoke lifting beams, such as the 24 tonne capcity lattice beam illustrated below that measured a staggering 21 metres in length.



Hassle Free Hire

Hire

Arbil's hire fleet of rail tools and lifting gear has been built up over many decades and equipment available in impressive numbers from all four hire sites. All plant is maintained to the highest standards to ensure reliability on site. In addition to all the regular items of jacks, power packs, beams, clamps, trollies, ironmen and de-stressing equipment; Arbil Rail owns considerable fleets of lifting gear and materials handling equipment.

As members of the Hire Association Europe, Arbil Rail's dedicated hire team are focussed entirely on providing a quick and effective solution to customers' needs whatever the time of day, wherever the kit is required.

- Registered to ISO 9001 (2008)
- Highly trained team available to advise on the safe use of any product, including PPE and height safety equipment
- Members of the Lifting Equipment Engineers Association and HAE





Service, Test & Inspect

Arbil boasts a sophisticated and unrivalled range of equipment specifically developed for the service and testing of rail and lifting equipment.

Each piece of equipment that enters Arbil's service department is taken through a rigorous procedure of complete strip down, chemical clean, repair, re-spray, test and certification in accordance with BS EN ISO 9001.

Arbil's capabilities include:

- Mechanical and Hydraulic Track Jacks
- Electric and Petrol Power Packs
- Gap Adjusters and Destressing Equipment
- Ironmen & Scooters
- Rail Thimbles and Rail Trolleys
- All types of mechanical and hydraulic lifting gear and small plant
- Tensionmeters and dynamometers calibration and repair

Arbil additionally holds authorised accreditation for recognised brands such as Enerpac® and Permaquip™, as well as authorised calibration work for Dillon™ and Tractel™.



Stripping and Chemical Cleaning

No satisfactory repair of equipment can begin without a comprehensive range of machinery designed to strip, clean or polish component parts and allow a full and proper examination for wear or damage. Heavily contaminated and larger items utilise Arbil's large long soak tanks, whilst Arbil's metal laundry system is utilised on all smaller items and a polishing box for chain. The cleaning process ultimately results in a far superior repair in terms of both functionality and aesthetics.

Service and Repair

A full complement of service facilities are at hand to examine, repair and test all types of electrical, hydraulic and mechanical lifting equipment and small plant.

Arbil's engineering facility contains all the necessary machine tools for milling, drilling, grinding, turning and finishing to ensure the correct fitting and mating of parts.

Test and Calibration Facilities

Throughout the Group a comprehensive range of test equipment up to 1000 tonnes capacity is held for both in-house and on-site testing which include:

- Horizontal tensile test rigs up to 100 tonnes
 - Vertical tensile test rigs up to 20 tonnes
 - Hydraulic jack testers up to 1000 tonnes
 - Dynamic jack testers up to 750 tonnes
 - Pump and Hose testing up to 20,000 psi
 - Dynamometer calibration facility
 - 1000 tonnes of test weights

Arbil offers tailored fixed price service agreements to assist customers in controlling costs and schedules in the maintenance of small railway plant and equipment.



Arbil Serious About Rail



www.arbil.co.uk

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Camlok

Yale ENERPACE

MITACLE ROTALISAND MANGYE SIMPLEX

ZWICKY DILLON