

Abdex

HYDRAULICS



Capability Statement

About Us

Abdex Hydraulics is a family owned and operated Australian business established in 2005. We currently have offices in Melbourne, Perth, Sydney and Brisbane. We supply high pressure 700 Bar hydraulic equipment, including hydraulic cylinders, pumps, tools, automotive equipment, heavy vehicle jacks, and 4:1 safety factor thermoplastic hydraulic hose assemblies. Our range of products service various industries such as mining, construction, rail, civil engineering, oil and gas, and the automotive industry.

Abdex Hydraulics, part of the Abdex group of companies, which also includes Abdex Industries, Abdex Auto Tools & Abdex Hose & Couplings. First established in 1974 and with locations throughout Australia as well as the United Kingdom, all Abdex companies share a commitment to offering the highest quality products and service level in their industries.

While many other businesses have moved production to lower cost countries, Abdex Hydraulics is proud to still offer a complete range of products manufactured in Europe to the highest quality. All EPP, Mammut & YAK products are manufactured under ISO 9001 and meet CE directives.

Abdex Hydraulics can supply high quality, European made hydraulic equipment at affordable prices. We offer great service, short lead time, product reliability and competitive pricing.

Our Brands

Abdex
HYDRAULICS

EPP Euro Press Pack

MAMMUT

YAK





Abdex Advantages

Capability Overview

Abdex Hydraulics supplies high pressure hydraulic equipment used in many industries and applications around the world. We hold high levels of stock and spare parts at all our locations & have distributors and repair agents across the country in order to quickly & effectively service customers.

Why Abdex Hydraulics?

- We pride ourselves on after-sales service being a step above the competition.
- Priced competitively against competition.
- European quality.
- Custom Builds.
- High stock levels across the country.
- Abdex Hydraulics is proudly 100% Australian owned!



Euro Press Pack



EPP Hydraulic Equipment

Euro Press Pack (EPP) 700 bar Hydraulic Jacking equipment is fully manufactured in Italy, guaranteeing you top quality and cost-effective solutions with the fastest deliveries.

The raw material and finished products are tested and laser engraved for full traceability. All EPP steel cylinders are uniquely manufactured using a Nitreg ONC process, which makes the material exceptionally hard and resistant to corrosion. This creates a product perfectly suited for tough Australian conditions.

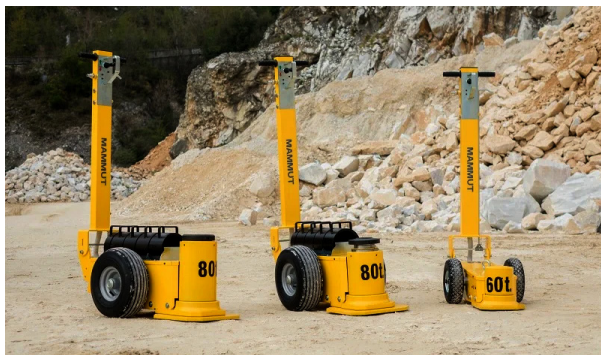
By designing & making everything in house, EPP has full control over everything produced and is able to produce products of the highest quality in remarkably short lead times.

In addition to a complete range of standard products, including steel and aluminium cylinders, hand, battery & electric pumps, and hydraulic tools, EPP has the flexibility to design & manufacture special products to suit customers' requirements. We have a full range of cylinder pumps & tools manufactured to the highest standards including:

- Proudly made in Italy.
- High absorption of side load forces.
- NITREG treatment as standard, 200 hours of resistance to corrosion.
- Large range of aluminium cylinders.
- Custom builds are available for any requirement.
- ASME-B30.1 compliant.
- Hydraulic hand pumps with steel, aluminium, or plastic tanks.
- Broad range of electric pumps with varying tanks & flow rates.
- Battery & Petrol pumps, perfect for isolated environments.
- Air over hydraulic pumps, lightweight, quiet and portable.
- Split flow or PLC controlled synchronisation available.
- Custom build options are always available.
- Market leading spread cylinders (up to 15 tn capacity).



Mammut



Mammut Heavy Vehicle Jacks

Abdex Hydraulics is proud to offer our market leading 'Mammut' range of heavy mining vehicle jacks. The Mammut range has been developed to operate in the harsh and unique conditions that exist in Australian mining. Proudly 100% manufactured in Italy, the Mammut range of jacks has proven itself to excel in difficult environments. The jacks are reliable, quiet and fast; they have the added benefit of being able to mechanically lock into place with the use of load blocks or internal lift and lock.

Quality Control

Mammut heavy vehicle jacks are manufactured under the requirements of ISO 9001 quality management. Our quality starts with the choice of materials and it follows through to the machining and assembly phases until the presentation of the final product. Each individual jack is tested for over 100 minutes and engraved with a unique serial number for traceability before passing quality control.

Warehousing

Abdex Hydraulics carries large stocks of Mammut heavy vehicle jacks and accessories at our warehouses in Melbourne and Perth. Abdex Hydraulics is proud to have distributors and service centres around the country.

- Range of models from 60 to 200 tonnes.
- Single piston and telescopic models are available.
- Remote controls are standard on all models above 60 tonnes.
- The ATLAS model offers "Lift & Lock," capable of lifting the load and then internally mechanically locking.
- Heavy Duty Axle Stands Compliant with AUS / NZ jack standards.
- Competitively priced, European made quality, proven in tough Australian conditions.



Yak Jacks



YAK Jacks

Abdex Hydraulics offers the world's largest range of high-quality, European-made vehicle jacks. Our compact, portable and powerful YAK series air / hydraulic vehicle jacks are the perfect tool to carry out maintenance on all types of vehicles, including cars, buses, trucks and agricultural vehicles. Ideal for workshops, mobile workshops, tyre repairers and bodywork shops with capacities from 10 tn to 80 tn. All YAK jacks come with extensions as standard.

- Each individual jack is tested for over 100 minutes and engraved with a unique serial number for full traceability.
- Pit Jacks.
- Axle Stands.
- 3 year warranty.
- 100% made in Italy.



Abdex Hydraulics



Abdex Hydraulics Tools

Abdex Hydraulics offers a range of hydraulic tooling that complements our range of hydraulic cylinders, pumps & jacks.

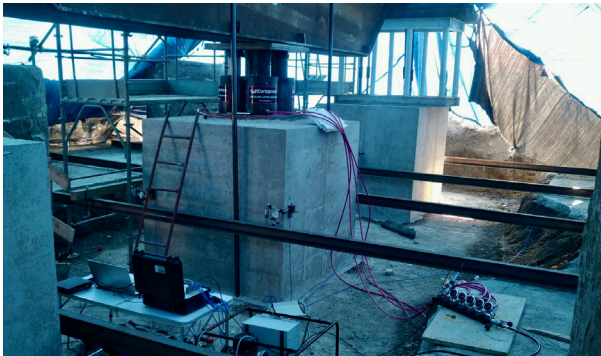
- Wide range of ABDEX hydraulic bolting tools, including low profile and square drive torque wrenches and pumps.
- Battery & air operated torque tools.
- Electric Pumps.
- Chain cutters, cable cutters and nut splitters.
- Range of automotive equipment, including H & roll frame presses, lifting tables & maintenance sets.

Maintenance Sets

Our hydraulic maintenance sets are versatile tool kits supplied complete with pump, cylinder, hose and a full set of attachments in a storage and transport case.

- Designed for pushing, separating, joining, lifting, compressing, stretching and fixing applications.
- Multiple capacity models available.

Services



Special Builds

Abdex Hydraulics designs and manufactures high pressure hydraulic equipment for the movement of heavy loads. For uneven or complicated lifts, we can offer PLC controlled synchronous lifting systems, or split flow systems, for a precise control of the load. Our biggest advantage against our competition is our flexibility and quick delivery time. We have provided special builds around the world for a variety of applications and industries.



Service & Repairs

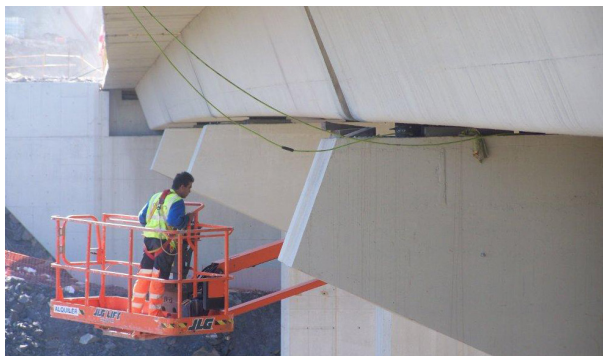
Abdex Hydraulics carries spares for all products we supply and also has repair facilities at our offices in both Melbourne and Perth. We are proud to have an excellent distributor network and repair centres around the country that can assist with servicing and repairing our products wherever required. Abdex Hydraulics and our distributors are also capable of providing on-site support, including training, troubleshooting of systems, and service or repair to minimise downtime.



Hire Equipment

Abdex Hydraulics, as well as many of our distributors, have a range of hydraulic equipment for hire, including cylinders, pumps and torque wrenches. Please contact us for more information.

Projects



Sydney Metro Northwest

Abdex Hydraulics supplied a hydraulic lifting system to aid in the construction of a bridge for the Sydney Metro Northwest project. The scope of the supply included 2 x 1100 tn, 19 x 880 tn, 11 x 670 tn, 3 x 560 tn, and 1 x 350 tn locknut cylinders, electric pumps, and accessories. The total order was manufactured in less than 3 weeks.



Gorgon Project

Abdex Hydraulics supplied a dual purpose synchronised lift system used to lift the jetty into place and then pull sections together. Our cylinders were supplied to work underwater in salt water. The system was supplied with soluble oil and non-drip couplings to protect sensitive environmental areas.



Conveyer Belt Clamp

Abdex Hydraulics supplied 130 cylinders for an exciting conveyer belt clamping system. Designed & fabricated in Australia, the system uses Italian EPP cylinders in a hybrid slip and fail-safe belt clamp for a mining project in South America. We were able to produce 130 x 60tn hollow cylinders, together with 100tn solid cylinders ready to be shipped within 3 weeks. The system is being used in an extreme, humid climate which makes the unique Nitreg ONC treatment that is standard on EPP cylinders the perfect solution.

Projects



Swing Bearing Replacement

A completion of a swing bearing replacement project for our customer's EX800-6 excavator using Abdex Hydraulics Low Profile Torque Wrenches. This complex undertaking required the precise loosening and retightening of a total of 160 bolts, all calibrated with multiple passes to achieve a final torque setting of 9,800 Newton-metres and ensure optimal ongoing performance.



Safety & Environment

All of our products are tested before dispatch and come with our worldwide 1 year warranty. Our products are engraved with serial numbers for full traceability of any item we supply. The manufacturing facilities in Italy conform to all relevant local environmental policies and regulations and recycles where possible.

In addition to our determination to provide safe products of the highest quality, we are also committed to operating a clean and safe working environment for our staff.







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