



TECHQUIP

OVERVIEW



Preventative
Maintenance



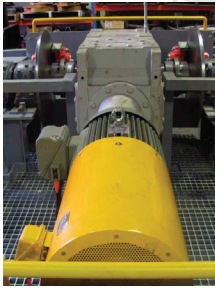
Repairs &
Rebuilds



Dust Collector
Servicing



Bulk Material
Handling



Mechanical
Installation



Power
Transmission



INTRODUCTION

Introducing Techquip supplier of technical engineering services for Power Transmission and Bulk Materials Handling.

Techquip is the technical services provider division in our group of companies which include Chain & Drives, a leader in power transmission & Inquip, a specialist in bulk materials handling.

Our team are trained in all aspects of power transmission and bulk materials handling and have the support and expertise of Chain & Drives and Inquip along with the market leading products our group supplies throughout Australia from leading manufacturers around the world.



Design

Our engineering team are proficient in the use of cutting edge drawing software, utilising AutoCAD and SolidWorks in the production of full 3D virtual space modelling and simulation, enabling in prompt and accurate project installation and future servicing.



Supply

Within our company group of Chain & Drives and Inquip, we are able to supply all of our products from stock. We represent many market leading brands from around the world such as WAM, OLI, Kinder, Sumitomo, Motovario, WEG, Lafert, Transtecno, Bosch Rexroth, AEG, PIX and Damon, as well as many additional power transmission and bulk materials handling manufacturers, allow use to provide the most competitive price possible



Installation

Once your design is complete and equipment procured, Techquip can provide installation of our products to complete your project. Some of our value added services include project estimating, costing, scheduling, resource management and equipment hire, provide our client's confidence in completing their project's unique requirements. After installation we also provide full commissioning of equipment and supplied systems.



Maintenance

Techquip can provide full and ongoing maintenance and servicing of all your plant and equipment including gearboxes, motors, drive controls, conveyor components, head drums, replacement skirting and belting, dust collectors and drive assemblies. Effective servicing and maintenance can be difference between a reliable, efficient equipment and one plagued with continueing problems, costing you time and money.

We offer ongoing maintenance plans that allow you to be assured your equipment will be able to operate at its peak performance and efficiency.

Techquip also offers after hours and breakdown assistance where and when required.



ENGINEERING & WORKSHOP

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DUST COLLECTOR MAINTENANCE - DISC



At Techquip, the service division of Inquip, bulk materials handling specialists, we have reviewed the methods used to clean dust collectors. With some specialised equipment we hope to vastly improve performance and some issues commonly found in dust collector servicing.

Techquip has developed a unique system known as the "Dust-collector In Situ Cleaner" or DISC for short. This handy little machine allows for cleaning of filter media, without removing it and keeping the dust inside the collector

Our unique method, we can reduce typical time taken to service a dust collector by 60 percent and has an added benefit of significantly reducing the cost of not only servicing the dust collector, but reducing down time and other procedures affected by such operations

Standard cleaning of a dust collector would be to manually remove the filter media and hand clean them, allowing dust and material to escape. We aim to drastically reduce and possibly remove any environmental impact from this process, benefitting operators and surrounding areas.

Techquip's DISC cleaning system can be tailored to suit almost any pneumatic reverse pulse dust collector, cleaning the media while it remains with the confines of the collector housing, while more effective at breaking away dust buildup helping improve the standard operating life of filter media keeping them cleaner for longer.

Below you can see a comparable difference between a WAM dust collector cartridge taken literally seconds apart mid clean with Techquip's "Dust-collector In Situ Cleaner"



BEFORE



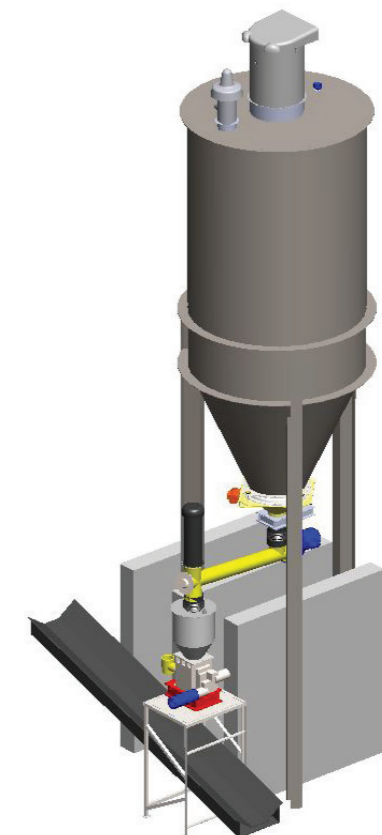
AFTER

3D MODELLING & DESIGN

In close consultation with your process and operating team, Techquip can provide project planning and plant upgrades can be fully conceptualised with 3D modelling techniques

Working with engineering software packages such as SolidWorks, Techquip can design and test your entire project within virtual space before entering production. This gives us the ability to iron out problems such as fitment concerns through to simulating strength and material flow. Techquip can design the simplest sprocket all the way through to entire plants, utilising multiple components and intergrating systems new and old using our groups many years experience in Power Transmission and Bulk Materials Handling.

If you would like to see our portfolio of previous projects, designs are available on request across all Australian Industry Sectors.



STANDARD SERVICES

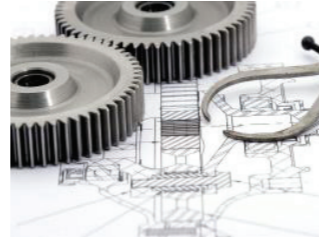
Balancing

After installation or long service equipment can become unbalanced. Such fans, pumps and rotors can place undue stresses and additional loads in bearings, motors and couplings substantially reducing component service life and potentially causing catastrophic failure with harmful potential. Techquip offers a balancing service to ensure long product life to maintain peak efficiency.



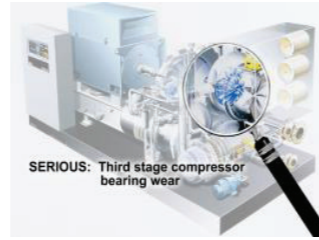
Consulting & Design

Techquip provides engineering consulting services for upgrades and new equipment designs with aid from our experienced staff within our group of companies. Utilising the latest up to date information, we provide optimised solutions for your plants design requirements. Our trained engineers can design individual components through to complete plant layouts



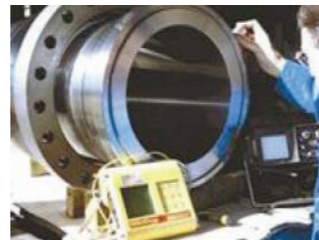
Preventative Maintenance

Techquip recommends adding security to your process by offering Preventative Maintenance Contracts for your equipment. This can significantly help reduce failures and detect faults early on before they lead to larger issues, adding peace of mind to your operation. Each PMC is tailored to suit individual requirements of each customer with prioritised service as a key feature.



Onsite Plant Repairs

Our field services team have had many years experience in plant maintenance and can assist with breakdowns and installations. This may be after hours or scheduled. Attached to these can be full plant audits pre and post repairs, backed by our engineers to ensure the correct fix has been employed to keep your operation functioning well into the future.

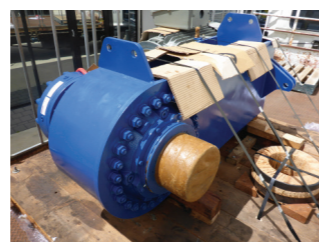


Mechanical Refurbishment

Techquip has a fully equipped service centre facility where rebuild refurbishment or project builds can take place. Spanning from gearboxes, motors, couplings, bearings, seals, actuators, complete drive assemblies, screw conveyors, dust collectors and more can be overhauled or built new with the confidence of being tested and functioning before reaching site. Our service centre carries a large inventory of spare parts for immediate repairs and breakdown situations



Some Equipment We Handle



ADVANCED SERVICES

Oil Analysis

Oil analysis is a cost effective method of determining the condition of existing lubricants, helping to extend service life and reduce failure of equipment. Programs can consist of either in-house or external testing which test for 4 major indicators; base oil degradation, water content, presence of contaminants, and metal or iron particle contaminants



Energy Audits

Energy consumption can be reduced by up to 40% in some applications through analysing inefficient and poorly designed systems, by adapting modern, design practises. Environmental Sustainability begins with understanding how much energy you currently use and how you can reduce that consumption to a more environmentally friendly level.



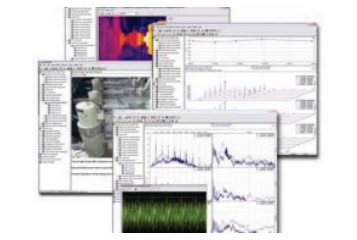
Laser Alignment

Misalignment in mechanical systems such as drive assemblies is a major factor in increased wear and premature failures. Using traditional alignment techniques incorporating straight edges and dial indicators are extremely time consuming, subject to methodology errors and physical limitations. Laser alignment techniques are fast, accurate and remove many human errors from the process



Vibration Analysis

The predominant technology employed in condition monitoring used to determine the condition of various mechanical components is Vibration Analysis. This non invasive technique collects vibration data from machines under normal operating conditions, usually around bearing locations, can help to predict service life expectancy and urgency of repairs. Planned and scheduled maintenance is preferred over emergency downtime.

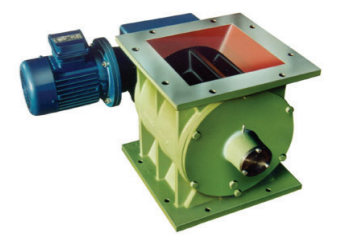
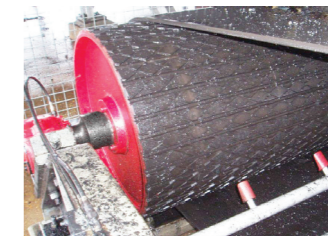


Training

Utilising technical expertise, Techquip have developed comprehensive product training programs. From the engineer seeking assistance with selecting the appropriate materials or components, a distributor who wants to provide the best available advice and products to their customers, or a maintenance person interested in getting the maximum uptime and service life, we have the solution for your plant, staff and equipment training needs.



And Much More ...





PREVENTATIVE MAINTENANCE

DUST COLLECTOR SERVICING

HYDRAULICS & PNEUMATICS

ENERGY AUDIT SERVICES

INSTALLATIONS

TURN-KEY PROJECTS

MECHANICAL DESIGN

VIBRATION & OIL ANALYSIS

CUSTOM MACHINERY BUILDS

POWER TRANSMISSION EQUIPMENT
REPAIRS & SERVICES

Authorised Service Agents For:

