



**SAVE ON DOWNTIME & COSTS.
ONE STOP BEARING MANAGEMENT
AND REPLACEMENT PARTNER.**



THE PAKKA JACKS UNIQUE PATENTED LIFTING SYSTEM IS A GAME CHANGER FOR MINING AND CONSTRUCTION OPERATORS WHERE MACHINERY DOWNTIME CAN COST MILLIONS OF DOLLARS IN LOST PRODUCTIVITY.

Capable of lifting 150 to 2000 metric tonnes, Pakka Jacks truly is a game changer! What differentiates Pakka Jacks from the traditional lifting methods is the patented packing mechanism meaning the load is fully supported throughout the entire lifting process.

Each unit has four packing mechanisms allow for multiple back-up redundancies ensuring a safe working environment - always.

Once lifted the jacks then perform their second critical role as equipment stands. Fully rated up to 2000 metric tonnes

and certified to Australian standards including side loading, the operators and maintenance personnel are always safe and don't have the traditional limitations or risks associated with working under suspended loads.

Pakka Jack maintenance personnel can also offer a wide range of maintenance and repair solutions using their XY frame extraction and fitting equipment, as well as machining of bearing surfaces, removal, repair or replacement of slew bearings, tracks, and any unplanned or required maintenance whilst the unit is stood down and elevated.

SAVE ON COSTS AND DOWNTIME

The PAKKA JACKS lifting system has introduced radical new standards of safety, speed and cost effectiveness never before seen in the mining industry.

We're talking about significant reduction in downtime, and costs. We're talking about a completely new standard of safety, which has already changed the rules in Australia.

SAFETY

- No suspended loads
- Intrinsic side load capacity
- Hydraulic injection safety
- Improved control

SPEED OF EXECUTION

- Industry leading reduction in downtime
- No multiple crane lifts

OPERATIONAL PERFORMANCE

- Reduced downtime
- Scheduled maintenance plans
- Condition monitoring
- Track and truck frame overhauls

We will guarantee our ability to achieve the same results as traditional methods with less workers, in much less time and without the use of multiple cranes. In our short history, we have safely proven success in high performing markets, completing major works on over 150 large shovels for all leading global mining operations. More than just a provider of a safe lifting and jacking solution for your heavy mining equipment.

The PAKKA JACKS system delivers fast and safe outcomes for major component change-outs in a unique way that is guaranteed to save money. There is no solution in the world that can match the speed or safety that PAKKA JACKS can achieve.

Using an automatic packing mechanism that fully supports loads up to 2000T at every stage of the lift, PAKKA JACKS have proven their might across a broad spectrum of applications in the global mining industry.



TOTAL MAINTENANCE SERVICES OFFERED

SLEW BEARING / ROLLER CIRCLE REPLACEMENTS

Pakka Jacks provide the safest way to change out a slew ring bearing. Pakka Jacks can significantly reduce machine down time with a change out occurring in as little as 3 days. To support our efficient equipment Pakka Jacks offer years of expert experience with over 180 slew ring change outs performed. From this experience Pakka Jacks has developed specialist 'in house' training so our employees know how to do the job right.

Pakka Jacks complete bearing replacement solution includes: bearing replacement, supply of new bearing & replacement bolts for bearing retention. This solution will increase slew bearing replacement quality & bearing warranty while also reducing total job cost, machine down time & job incidents

SLEW BEARING SUPPLY

Pakka Jacks work in conjunction with a reputable aftermarket slew bearing supplier to supply high quality aftermarket bearings as a price competitive alternative to OEM supplied bearings. These Bearings are manufactured and designed to meet or exceed the original OEM specifications, with a full 2-year warranty, proven track record and significant cost savings

BOLT SUPPLY

Pakka Jacks can supply either OEM or aftermarket custom bolt kits to replace worn slew ring bearing bolts. Testing performed will include the following:

- Random Batch Ultrasonic Testing (with a number of each batch tested)
- Random Batch Hardness Testing
- Material stamps for all supplied materials
- Testing of new material supplies
- Dimensional accuracy checks
- In addition to this, Pakka Jacks use ISO9001 certified bolt manufacturers.

SADI CONDITION MONITORING SYSTEM

SADI has been specifically designed and developed as a predictive maintenance program to manage and reduce lifetime costs, risk of component failure and unplanned and costly maintenance downtime.

Efficient and safe to use, with minimal disruption in downtime to site operations, the introduction of SADI is truly a game changer in slew bearing life efficiency.

GEOMETRICAL LASER SURVEYS

The 'easy laser' system has accuracy to 0.001mm and operates on any plane or level. Versatility in the laser system has previously allowed us to perform surveys on centre pin and swing shaft bores, alignment of shovel gantries, swing rack and roller path mounting surfaces to date.

CRACK WELDING

Pakka Jacks crack repair capability and preparation pre-machining is utilised on HME's (hydraulic mining Excavators) for track frame bolt hole refurbishment, slew bearing upper & lower surface crack repairs and Shovel roller path crack repairs

XY TRACK FRAME CHANGE OUT

Our Track Frame change out system extracts the track parallel to the machine, providing massive benefits in worker safety. Alignment is precise, allowing fast, easy removal and refit in a controlled environment.

XY MACHINING

Pakka Jacks secondary machining capability is to set up in remote mining sites, conduct the laser surveys pre-machining of track frames, excavator carbody's and turret. The X, Y machining of all possible surfaces are as follows:-

- Carbody of the excavator
- Turret surfaces of the car body
- Both joining surfaces of the track frame to carbody

ROLLER REPAIRS AND REPLACEMENTS

Our speciality in Shovel roller path installation & maintenance is recognised nationally with all major mining companies. Our teams can be mobile within 3 days to remote sites which have had a failure.

Roller path replacement requires the OEM specifications are met to retain warranty, and this is achieved via our QMS ISO 9000 -2015 documentation system.

TRUCK AND CAR BODY REPLACEMENTS

Full replacement of truck or car body can be effected utilising the Pakka Jacks system, and having the flexibility to address replacements in-situ, on site truly is a game changer!

ENGINE / GEARBOX / SWING BOX REMOVAL

Removal of gearbox for overhaul, replacement or new fitment is easy and safe, and can be effected concurrently to other services as the body is elevated

GENERAL MECHANICAL & ELECTRICAL SERVICING

Utilising Pakka Jacks specialised mechanical and electrical technicians, any required servicing or repair work can be carried out in-situ, or on site.

OTHER DEFINED S.O.W. BY CLIENT

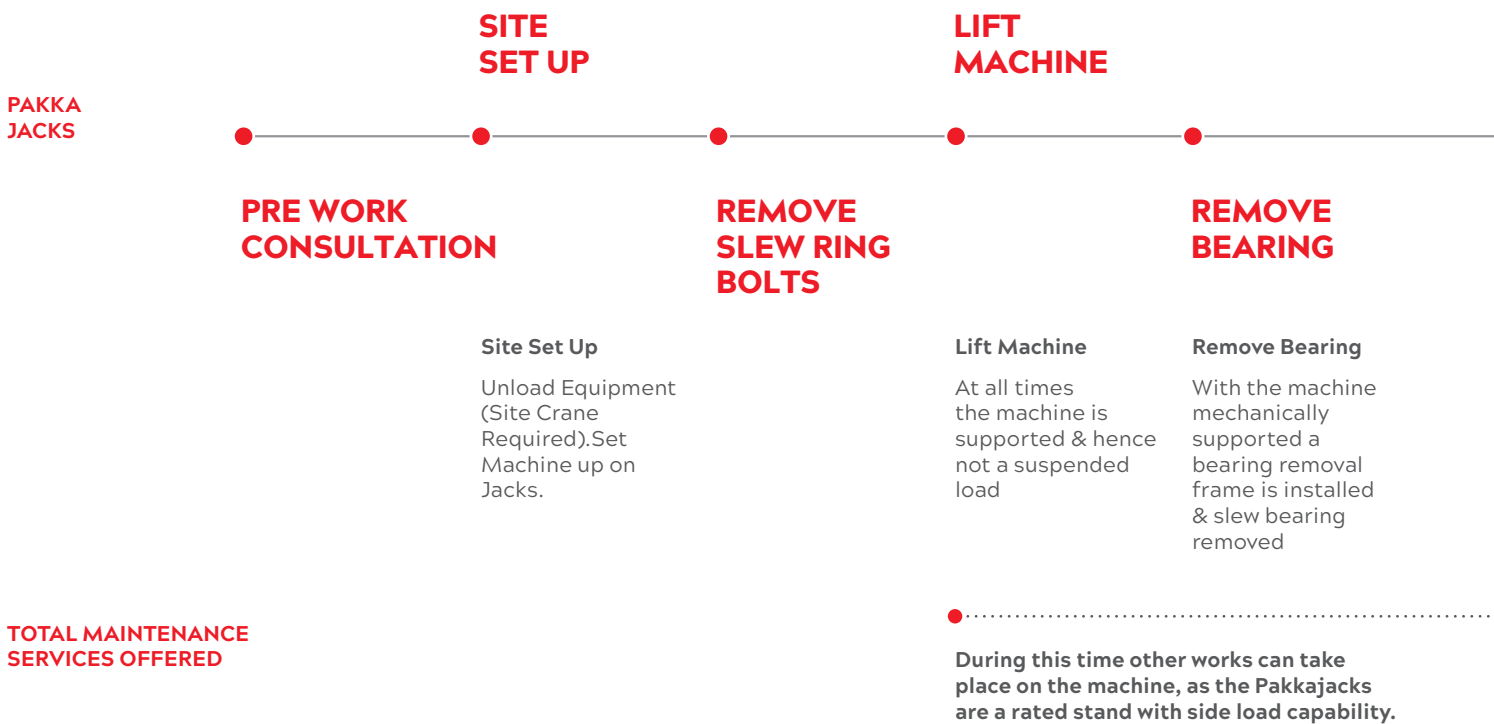
As part of the pre works consultation, the Pakka Jacks team can coordinate any additional works required by the client to take advantage of the machine being available for safe and easy access.

COMPLETE MAINTENANCE

One stop bearing management and replacement partner.

Having the ability to forward forecast and schedule replacement components allows accurate and manageable maintenance budgeting.

Utilising the combined services of the SADI monitoring system and the complete Pakka Jack services - the monitoring, life expectancy, planned maintenance and replacement of machine bearings allow users to actively manage, and forecast costs that historically haven't been possible.



XY Track Frame change out.



Truck and car body replacements.





Pakka Jacks lifting stage.



XY Machining services.

LASER SURVEY MOUNTING SURFACES

INSTALL NEW BEARING

INSTALL BOLTS

BEARING MACHINING SERVICES

LOWER MACHINE

SITE PACK UP

Laser Survey Mounting Surfaces

Pakkajacks conduct a laser survey to ensure the surfaces are within the OEM's allowable specifications.

Install New Bearing

The new bearing can be supplied by Pakkajacks assuring quality after market bearing that have proven to offer increased service life.

Install Bolts

Pakkajacks can also supply the replacement bolts that secure the slew bearing to the machine

Site Pack Up

Remove jacks from underneath the machine
Load Equipment (site crane Required)

Operations such as engine removal, hydraulic pump removal, swing motor replacement and general servicing can all safely take place in conjunction with the bearing removal. Additionally, some operations such as pinion change out can also speed up the jacking procedure. Please enquire about additional options to get the maximum amount of maintenance for the least amount of down time.

SAFETY / ACREDITATION / INNOVATION

The Pakka Jacks system meets or exceeds the requirements of all relevant Australian standards and workplace regulations and is the only lifting system that meets current Australian Workcover regulations.

- AS 4100 - Steel Structures (Involves Structural Integrity, Fabrication & Welding to AS 1554)
- AS 3990 - Mechanical Equipment - Steel work (Involves Structural Integrity, Fabrication & Welding to AS 1554)
- AS 2538 - Vehicle Stands (Involves Stability with restrictions on height versus the size of the load contact area on top)
- AS 3791-1991 - Hydraulic Hose Standard



OUR CLIENTS

THIESS

RioTinto

NRW
Hastings

bhpbilliton **BMA**
BHP Billiton Mitsubishi Alliance

Peabody
ENERGY

Dowmer
Relationships creating success

GLENCORE

ERGON
ENERGY

AngloAmerican

HSE
MINING

Mackay Sugar

Hastings Deering **CAT**

LIEBHERR