

Protecting Customer Assets for High-Volume Motor Workshop
Steel Stillages & Cages

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CHALLENGE

Busy workshops can't be held up by parts that are missing, hard to find or damaged. As a workshop that repairs electric motors for heavy mining equipment, finding the right storage solutions becomes even more critical.



ELECTRIC MOTORS WORKSHOP

When motors came into the workshop, they were delivered on timber pallets. As heavy metal components that weigh up to 500kg, timber pallet transport is not compliant or ideal for motors of this size.

Once the motors were stripped down by mechanical staff and separated into parts, another issue arose. Items often sat on the same timber pallets for months at a time, as the workshop waited for new parts to complete projects.

EFFICIENCY AND SAFETY ISSUES CAUSED BY THE EXISTING STORAGE SYSTEM INCLUDED:

- Floor space taken up by multiple pallets
- Lack of organisation with parts storage
- Stripped down motor parts stored on pallets for months at a time
- Parts being mixed up or lost, causing stock discrepancies
- Timber pallets that degraded, broke or popped a board
- Damage to parts while in storage
- Risk of manual handling incidents with unstrapped parts on failing pallets
- General safety issues

This busy electric motor workshop was limited by its insufficient, unsafe storage. The workshop operator turned to DAYWALK for a solution fit for high voltage parts storage.

COST OF WORKSHOP COMPONENT DAMAGE

These critical parts were kept unrestrained in the workshop, either on the floor or placed on wood pallets. This lack of suitable storage meant that motor parts could easily be lost, misplaced or damaged.

While the projected cost of this challenge varies, the estimated ROI for suitable storage equipment was significant. These structural and machined parts are among the most expensive parts for heavy equipment, due to materials and precision manufacturing.

Estimated replacement cost of missing or damaged part:

- Cylinder blocks \$1,500-\$5,000+
- Drive shaft \$500-\$2,000
- Valve plate \$500-\$2,000
- Housing \$1,000-\$3,000

Equipment downtime:

- Workshop delays \$100s+ per day
- Client awaiting repair \$1,000s+ per day

Keep Moving

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BENEFITS OF STEEL MESH CAGES

DURABLE STORAGE

Galvanised steel mesh cages provide a long-term storage solution, lasting decades.

EASILY RELOCATABLE

The required component parts can be stored together in the cage, then moved by forklift or pallet jack when needed.

STACKABLE CAGES

These [cages can be stacked 2-4 high](#), allowing floor space to be maximised, instead of wasted with standard pallets.



DAYWALK saw the opportunity to add value and efficiency with cage storage, when compared to failing wood pallets.



Steel mesh cages with fold down gates were provided to ensure safe, organised and protected storage.



These in-stock cage solutions were immediately utilised to gain space and organisation for the motor workshop.

STEEL CAGE STORAGE SOLUTION

To get the parts off the pallets, away from the floor and into an organised and protected space, DAYWALK recommended our [heavy-duty steel cages](#).

These [mesh cages](#) offer a range of benefits for workshops, including:

- Stackable storage to maximise floor space
- [Pallet racking](#) compatible
- Durable steel mesh construction
- Full visibility of the parts stored
- Removable half fold-down gate for staff access
- Anti-tipping bars and cambered safety under-rails for safe placement
- Reduces hazards and handling risks
- Move with forklift or pallet jack
- Long-term storage to suit variety of parts
- Off-the-shelf product that's always available

Implementing the [steel cage system](#) for the workshop allowed workflow to improve. Safety issues can be resolved, floor space is optimised, and parts inventory will remain organised and visible for staff. Another benefit is that the cages could be loaded at a warehouse, then delivered straight to the production line. This negated the need for workshop staff to enter the warehouse or help themselves to parts. The cages provided a contained storage solution, so all staff could easily keep track of the parts.

CONTACT US

Full steel mesh cages work to protect customer assets, as well as ensure an efficient and safe workflow for mechanical workshops. Improving day-to-day tasks with proven heavy-duty storage options provides a cost-effective improvement for workshops. If you'd like to find out how our steel stillages and cages can boost your efficiency, [get in touch](#) with our team for a free consultation.

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