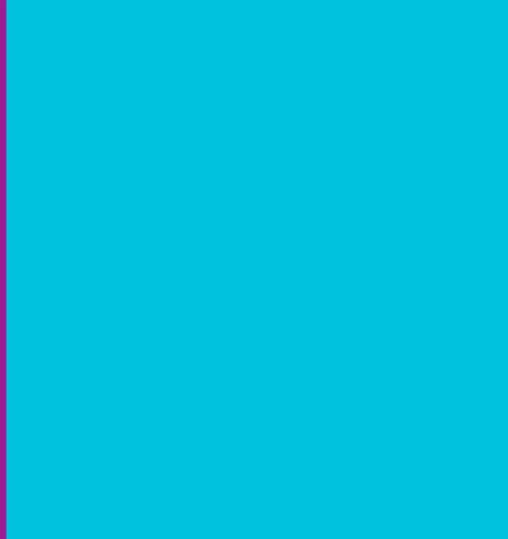
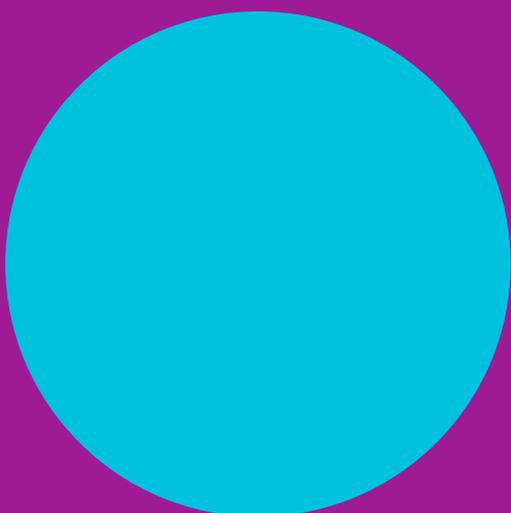
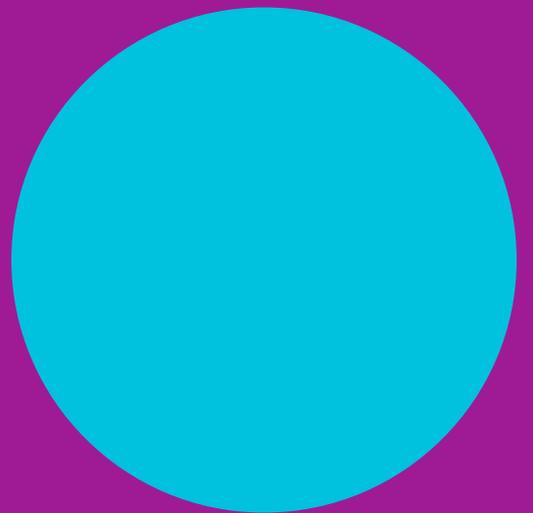
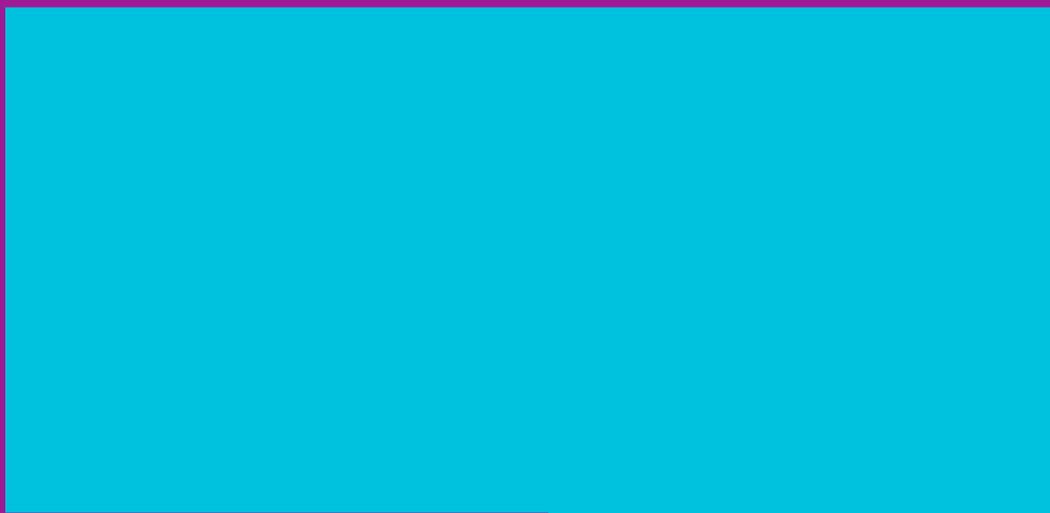
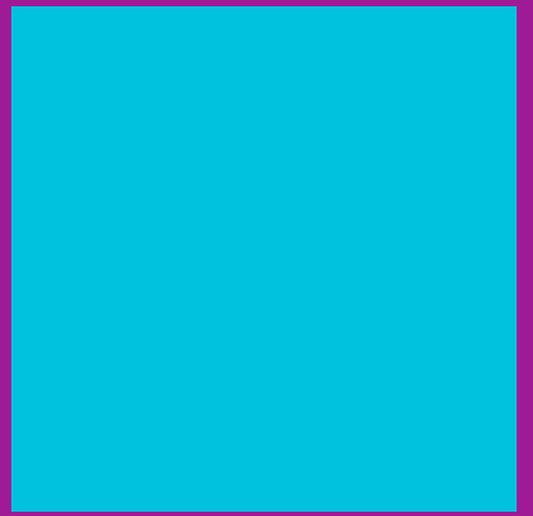
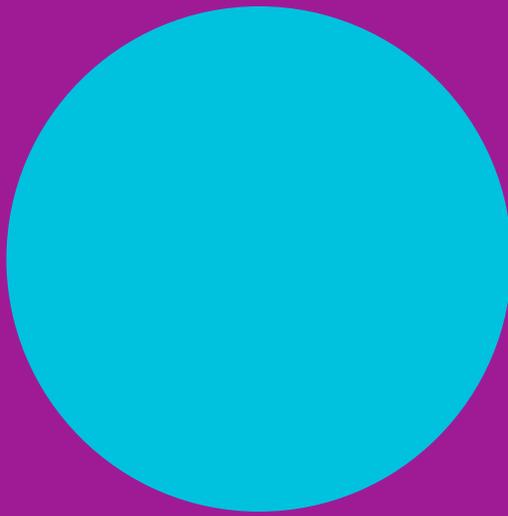


Material Handling Systems Optimisation

CHEP
A Brambles Company



Increasing capacity while decreasing downtime.

This is the Supply Change.™

The opportunity:

It's both a simple truth and a harsh reality. Your huge investment in material handling systems can be brought to its knees by distribution platforms that don't work in sync with your systems.

Our unique understanding of how distribution platforms work best with both automated and manual handling systems ensures that you get the most out of all your equipment and the most out of your entire supply chain.

CHEP's Material Handling Systems Optimisation is a simple, actionable way to gain capacity from your network without adding actual capacity.

It's how you ensure that all your robotics and handling equipment are running in harmony with your pallets and containers, no matter what they are.

It means more uptime and less downtime.

It means more capacity and fewer risks.

It means more efficiency, more throughput, more productivity. Along with reduced product damage and decreased downtime.

Best yet, Material Handling Systems Optimisation helps you both proactively and reactively. It allows you to fix any issues you may have as well as prevent problems from happening in the first place.

The best way to eliminate downtime is to modify your equipment before it happens.

What we do:

Unfortunately, for many customers, equipment jams are a fact of life. They happen when equipment was designed without knowledge of platform specifications, when a new platform is introduced into your system or when damaged platforms are run through material handling equipment.

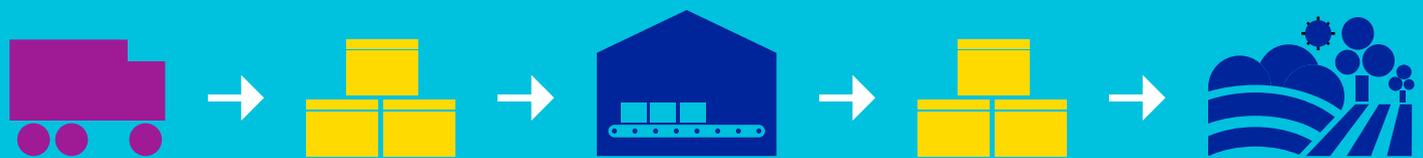
CHEP's Material Handling Systems Optimisation solution helps you optimise your supply chain within your packing and shipping processes. We'll ensure that all your distribution platforms integrate as well as possible with your automated and non-automated equipment, regardless of the platform design or spec.

If you're currently suffering from downtime, we'll quickly determine what's creating that downtime. If you're installing new equipment, we'll actually work with the equipment supplier, systems integrator and contractor to build in tolerances ahead of time.

Our application-engineering experts quickly identify areas of opportunity for cost savings. Leveraging their extensive industry expertise, they'll provide technical support and work with you to optimise your systems and processes throughout your supply chain.

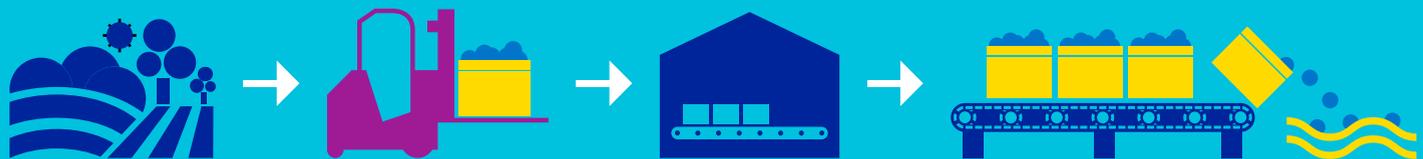
In short, we'll work with you to identify the simplest and most cost-effective engineering solutions that will improve your operational effectiveness. We'll provide you with the technical support and know-how you need to improve both your throughput and your productivity.

We can help you optimise the handling of produce throughout your supply chain.



1 CHEP issues bins to the packhouse

2 Packhouse ships bins to growers



3 Growers transport bins containing produce to the packhouse

4 Bins tipped or drenched in water to sort produce



5 Automated lines moved empty and full bins to collection points

6 Sorted produce repacked in bins and stored in controlled atmosphere rooms

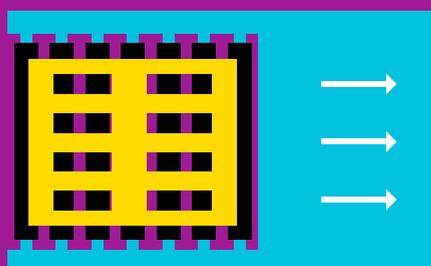


7 Produce brought to pick lines for manual inspection

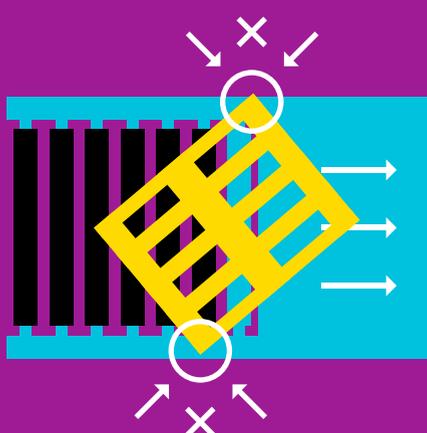
8 Produce packed by grade and transported to retail

Improving your automated systems.

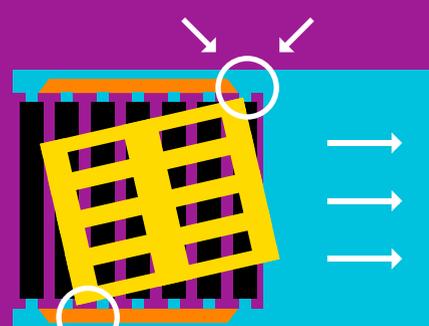
1. Pallets shifting on conveyors



A customer experienced frequent conveyor jams caused by open sides.

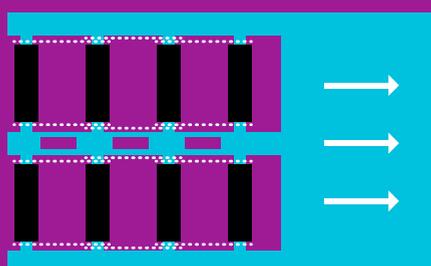


The open sides caused pallets to shift on the conveyor, necessitating shutdown and manual removal of the pallet.

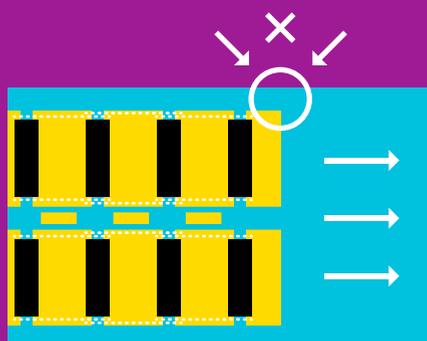


CHEP examined the conveyor and proposed adding minimally intrusive rails to the sides of the conveyor. This significantly reduced downtime by preventing pallets from shifting to an angle that would stop the conveyor.

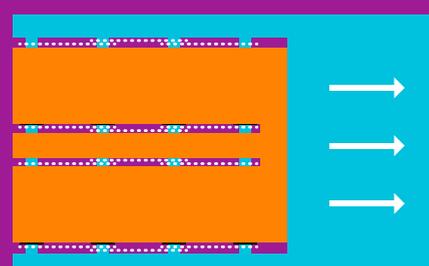
2. Unjamming palletisers



A customer's palletiser had exposed rollers, chains and other obstacles that were causing jams. Jams had to be removed manually at great risk to employees.



CHEP identified areas responsible for causing jams and proposed solutions to reduce jams.



Custom plates were installed over problem areas, reducing jams and improving safety.

How we'll work together:

CHEP engineers have studied thousands of facilities, giving us unmatched experience and insights. Our time-tested "roll up our sleeves" process includes four simple steps:



Operational Review

We'll examine and document your current material handling operations.



Statistical Analysis

We'll compile and review all pertinent data.



Optimisation

We'll recommend modifications and upgrades for improved throughput, reduced downtime, reduced product damage and increased worker safety.



Reporting

We'll fully document our findings, form conclusions and present recommendations.

Kaizen Events:

Our Lean Six Sigma-trained professionals can help your company ensure that your systems are working in the most productive way. CHEP's application-engineering managers are a unique team of experienced professionals. They have proven expertise in manufacturing, warehousing and distribution systems. Each service they perform follows a systematic Lean Six Sigma project methodology. These services provide cost-effective, practical solutions to suit your specific needs.

Global Good: Through Material Handling Systems Optimisation, we work with our customers to create safer work environments and more efficient systems. It's all part of our Better Planet initiative, as we work to minimise the impact of the supply chain on the environment.

How you'll benefit:

Regardless of the distribution platform type or spec, Material Handling Systems Optimisation will help you:

- + See increased production through racking and distribution efficiency
- + Experience operating equipment efficiencies
- + Reduce downtime of packing and warehouse systems
- + Understand how all platforms work within your system: rigid and foldable bins, containers, RPCs, standard and custom-size pallets
- + Design a system for a single facility or your entire network
- + Analyse your supply chain from the moment distribution platforms enter your facility until they leave your equipment
- + Work with equipment suppliers to ensure their equipment works best with your distribution platforms

Only CHEP:

No one else has the broad experience in optimising material handling systems and improving uptime that CHEP has. Our Lean Six Sigma-certified engineers have been inside thousands of facilities. They've learned how every type of material handling equipment works best with every type of distribution platform. We look forward to working with you.

A small investment often yields a big increase in uptime.

**This is the
Supply Change.**

**Together we can
make it happen.™**

CHEP
A Brambles Company

Material Handling Systems Optimisation.
Just 1 of 19 Agriculture Solutions
from CHEP.

If you're looking to improve
your supply chain, let's talk.



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