

# ConSpare

Make it better.

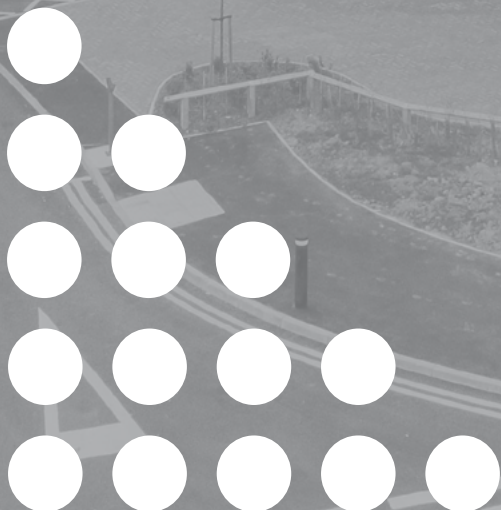






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## GET IN TOUCH:

**Visit:** [conspare.com](http://conspare.com)  
**Email:** [sales@conspare.com](mailto:sales@conspare.com)  
**Call:** 01773 860796

# ABOUT CONSPARE:

Improving concrete batching plants and the production process through high-performance equipment, spare parts and site services.

Established in 1978, we continually develop and have grown to become the UK's leading support company for concrete producers.

Whether you're looking to solve concrete batching plant problems, or need first class spare parts support, we're here to help.

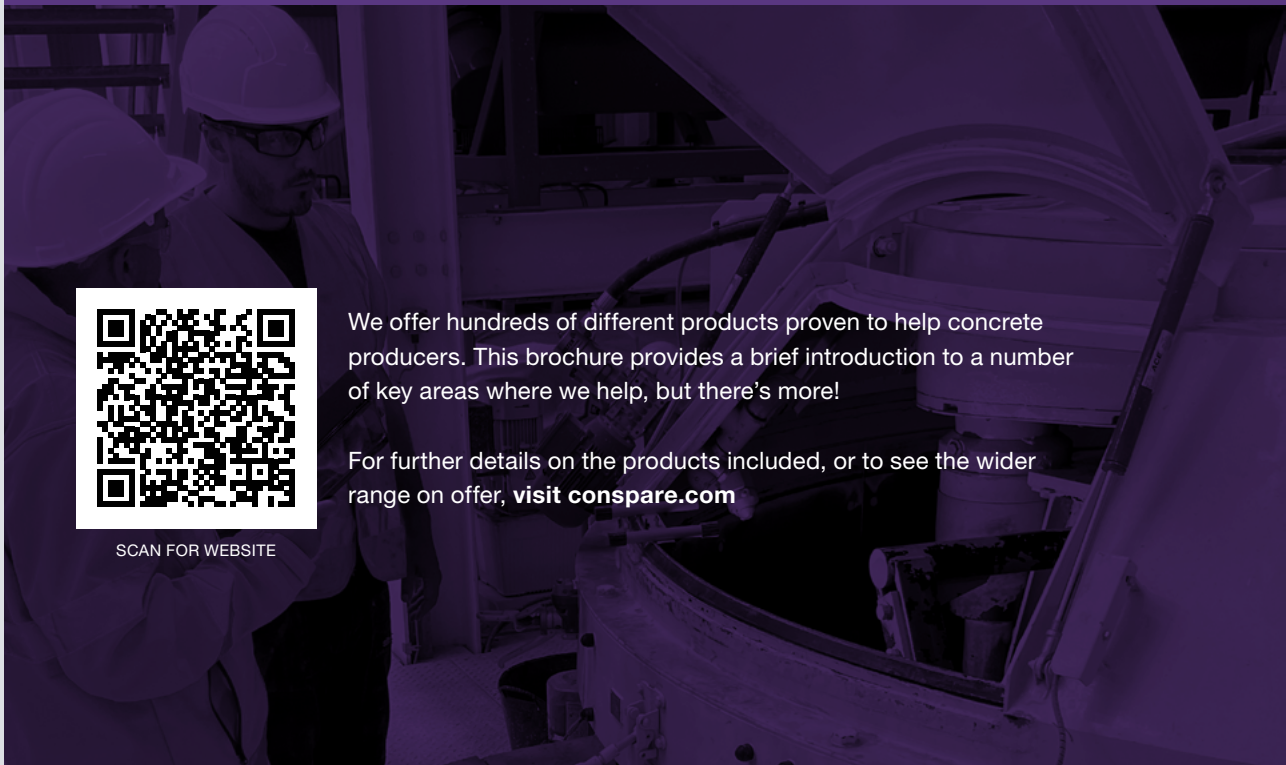
With £2million stockholding at our UK premises, and back-up from a number of the world's leading concrete equipment manufacturers, our three specialist departments will help you to Make it better.



SCAN FOR WEBSITE

We offer hundreds of different products proven to help concrete producers. This brochure provides a brief introduction to a number of key areas where we help, but there's more!

For further details on the products included, or to see the wider range on offer, **visit [conspare.com](http://conspare.com)**



## SPARES

Batching plant spare parts and components are at the core of why we're market leader. Starting life as a mixer maintenance specialist, we became known for our unrivalled mixer breakdown support and expertise with abrasion resistant part selection.

We've gone on to become a one-stop-shop for all of your batch plant component and spare part requirements throughout the entire production

process - with a strong focus on high-performance parts that reduce maintenance & operating costs.

Our data, expert team, and vast stockholding ensure you keep producing with minimal interruption.

- Unrivalled expertise in mixer wear parts
- Extensive range of batch plant components
- Specialist for block machine components



## CAPITAL

We've supplied market leading Capital equipment for concrete batching plants and associated applications for five decades. Whether partnering with batch plant manufacturers on the biggest infrastructure projects, or specifying equipment for independent producers, our ethos remains the same.

We provide innovative, problem-solving equipment that adds value to your process, protects your

people, and stands the test of time. The world-renowned products are backed-up by our significant UK-based engineering expertise and comprehensive aftersales support - ensuring smooth delivery of projects and long-term returns.

- Mixing technology specialists
- Saving clients cement, reducing waste product
- UK agents for TEKA, Walter, Hydronix & CrustCracker



## BULK MATERIALS HANDLING

Formed in 2016, our Bulk Materials Handling Department is a team specialising in improving belt conveyor performance and safety. They help to reduce your maintenance commitment on this often troublesome part of the plant.

With leading high-performance products and a dedicated, highly knowledgeable team, we're becoming first-choice for many looking to improve

their belt conveyors through belt cleaning, tracking and sealing equipment upgrades.

Our UK network of service engineers provide the highest levels of installation expertise, and pride themselves on their thorough aftersales support.

- STARCLEAN® scrapers
- CenTrax belt trackers
- SealTek skirting systems
- FRIFLO impact beds

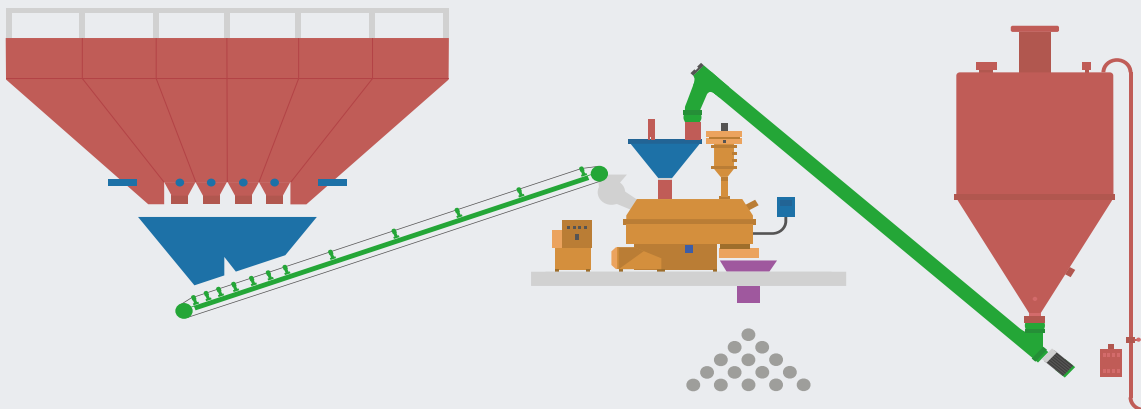


# IMPROVING THE PROCESS

## LISTENING TO OUR CUSTOMERS

We've been listening to our customers for decades and understand the key problems that they face. What we have learned is that many of these problems aren't isolated issues, but widespread across the whole concrete industry.

We use our unique insight to bring together innovative solutions from expert engineering businesses around the world. We have an unrivalled track record for introducing specialist products that have gone on to become UK market leader.



### STORAGE

#### Silos, bins, chutes & hoppers.

Silo filling and safety. Material flow. Wear & abrasion.

### BATCHING

#### Moisture measurement & control.

In bins, in mixers. Water addition & workability control.

### DISCHARGING

#### From mixer to truckmixer / production line.

Blockage. Wear and abrasion. Cleaning. Safety.

### CONVEYING

#### Belt conveyors & screw conveyors.

Cleaning. Tracking. Spillage. Reliability.

### MIXING

#### The whole package.

Mixer replacement. Wear parts. Dust control. Cleaning.

### PRECAST

#### Producing a better product.

Block machine and wet press improvement.





SCAN FOR WEBPAGE  
"IMPROVING PROCESS"

## MAKING SMALL CHANGES TO ACHIEVE A BIG DIFFERENCE

Making a number of small changes across the plant, be it by replacing equipment or upgrading components during maintenance, can cumulatively add up to make a big difference.

Our expertise extends to all stages of the concrete production process and, critically, how each stage interacts with each other. This allows us to provide the optimum solution for your plant.

Through a combination of this expertise and our high-performance equipment and components, we have helped customers to:

- **Make the plant more efficient and productive**
- **Improve product quality**
- **Reduce waste**
- **Increase safety for operators**



SCAN FOR WEBPAGE  
"SUSTAINABILITY"

## EVOLVING TO IMPROVE SUSTAINABILITY

The world is changing and although we have been around for decades, we're not stuck in the past. We still listen.

The industry's focus has shifted. In addition to operational efficiencies and safety, **sustainability** has moved to the forefront of concrete producers' drive to improve. We now work with customers to:

- **Reduce environmental impact and carbon emissions**
- **Improve wellbeing for site staff operating and maintaining equipment**

Furthermore, solutions that are good for our people and our planet often make good business sense too.

OUR PROCESS IMPROVING PRODUCTS >>>>

# PROCESS IMPROVERS: STORAGE

## Improving Bins, Chutes & Hoppers

Raw materials are often difficult to handle and it's typical for hoppers, chutes, bins and bunkers to become a source of regular downtime and process inefficiency. Many aggregates are abrasive and cause wear, larger aggregates or materials traveling at high velocities also create impact damage. Finer aggregates cause flow challenges, with blockages and inconsistent feed rates being a common problem. Using the right combination of products to solve these problems will ensure that your storage vessels don't become a bottleneck.



### COMBATTING ABRASION - WEAR LINERS

Wear liners protect vessels from damage, but if the liners themselves fail prematurely this area of the plant can become a maintenance hotspot. **Hawiflex® polyurethane** is highly resistant to abrasion, impact and tearing, providing excellent service life. The easy to handle and fit PU is available in a wide variety of forms, including sheets and tiles.



### ERADICATING BLOCKAGES - FLOW LINERS

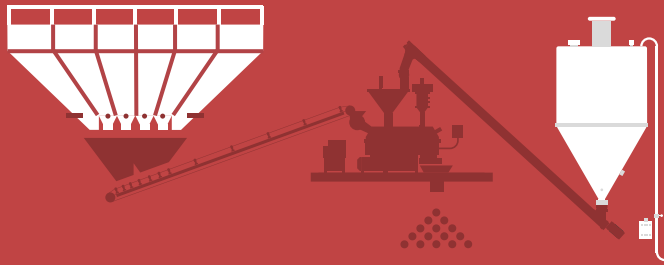
If your plant suffers from blockages or slow feed rates, the problem can be tackled with low friction liners. **Matrox premium** is a next generation polyethylene designed to solve flow problems. Matrox combines exceptionally low surface friction, excellent wear resistance & UV stabilisation to ensure that raw materials keep flowing for longer.



### KEEP MATERIALS MOVING - VIBRATORS

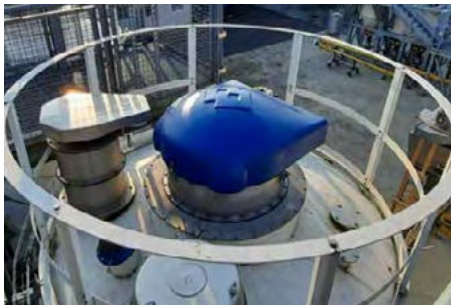
Vibrators assist with material flow at many points around the plant, yet achieving optimal operation is often viewed as a "dark art". Combining our expertise in concrete applications and **Vibtec's quality electric & pneumatic vibrators** helps ensure correct model selection, positioning and mounting to deliver maximum performance.





## Improving Silos & Vessels

Silos and other similar vessels are often troublesome to maintain due to difficulties associated with working at height. The poor flow of material discharged from silos is also a major bottleneck which limits how efficiently the entire plant can operate. We offer a comprehensive range of high performance components to improve both the silo filling and discharging operations. Used in combination, these components can help make this key piece of plant as reliable, and safe, as possible.



### SILO SAFETY - SILOTOP® POLYTUBE™

A key component of any silo is the venting filter. Reliable filter operation is usually maintained using compressed air and reverse-jet cleaning. **WAM's SILOTOP® polyTUBE™** is different and extremely energy efficient. It cleans filter cartridges with pulse mechanical cleaning to eliminate the use of compressed air, saving electricity and CO<sub>2</sub>.



### FAST, PREDICTABLE FLOW - SOLIMAR

Bridging, ratholing and compacting cause slow discharge of powders from silos which disrupts production. Aeration is a key tool to move powders efficiently and quickly with minimal maintenance commitment. **Solimar aeration fluidisers** use a powerful combination of aeration, directional airflow and gentle vibration to keep materials flowing.



### REDUCE WORKING AT HEIGHT - ALPHAPIPE

The silo filling process causes high levels of abrasion to pipework and pipe bends are seen as a weak link. Regular repairs are often required and made all the more difficult due to working at height. **AlphaPipe hardweld armoured pipe** is highly abrasion resistant and provides excellent service life, reducing costly maintenance and work at height.

# PROCESS IMPROVERS: CONVEYING

## Improving Belt Conveyors

Belt conveyors are the arteries through which material flows. Disruption or poor performance at these points of the process create significant bottlenecks, both upstream and downstream, restricting plant productivity and efficiency. Conveyors are often considered one of the biggest problem areas on a plant, with high risk maintenance and time-consuming cleaning a constant requirement. A co-ordinated approach to solving belt cleaning, tracking and loading problems will significantly help to keep downtime, waste and risk to a minimum.



### BELT CLEANING - STARCLEAN

Carryback on conveyor belts results in a host of problems, not least the loss of material, time wasted cleaning up and airborne dust. It is also a significant contributor to belt and component damage. With industry leading cleaning performance and the quickest, simplest of maintenance, **STARCLEAN** really is a step forward.



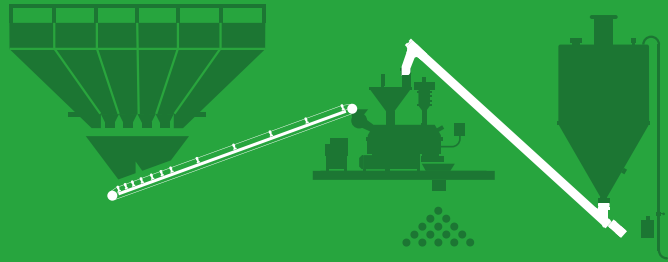
### BELT TRACKING - CENTRAX

A mistracked belt may seem like a minor issue but it can contribute significantly to poor conveyor performance, material spillage and belt damage. **CenTrax belt trackers** are purpose built, all mechanical units that automatically change their own alignment to correct belt mistracking in real time.



### LOADING - SEALTEK & FRIFLO

As material is transferred onto belts the loading forces and weight of material cause spillage, leading to constant site cleaning. **SealTek & Spill-Ex skirting** forms a superior seal to the belt to minimise spillage and dust emission. **FRIFLO impact beds** support the belt along impact points to provide a stable surface for skirting to seal to.



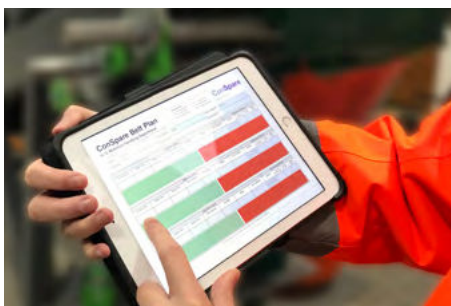
## Maintaining Conveyor Performance

Keeping belts clean, tracked and spillage free over the long term is a challenge. Even the best equipment needs to be cleaned and maintained regularly if it is to perform effectively in this hostile environment. We don't just want to sell scrapers, we want to create long term partnerships with our clients to deliver reliable, low whole-life-cost conveyor performance. To achieve this we have created a team of conveyor belt experts who deliver a range of conveyor services.



### EXPERT INSTALLATIONS - ON-SITE SERVICES

Our highly experienced **on-site service engineers** are experts in both conveyor systems and our range of components. This combination ensures that STARCLEAN, CenTrax, SealTek, Spill-Ex & FRIFLO are installed in the best configuration to suit each unique application and provide maximum effectiveness. From survey to install, we handle the whole project safely.



### PROTECTING YOUR INVESTMENT - BELT PLANS

Regular maintenance is essential, but many conveyors don't get the attention required as site staff are too busy or don't have the experience. Our **belt plans** help fill this void. Our engineers carry out regular conveyor audits with an overall visual health check and maintenance of our equipment for peace of mind.

# PROCESS IMPROVERS: BATCHING

## Measuring Hidden Moisture In Aggregates

Moisture in sand and aggregates is the hidden variable in the process. Failure to identify this water content has a significant effect on the cost of production, the carbon footprint of the plant, and product quality. Hydronix measures moisture in each batch, transforming mix design accuracy and reliability.

- Reduce cement wastage, reduce CO<sub>2</sub>
- Improve yield and productivity
- Accurately control aggregate / cement ratio
- Reduce reject batches
- Excellent Return On Investment



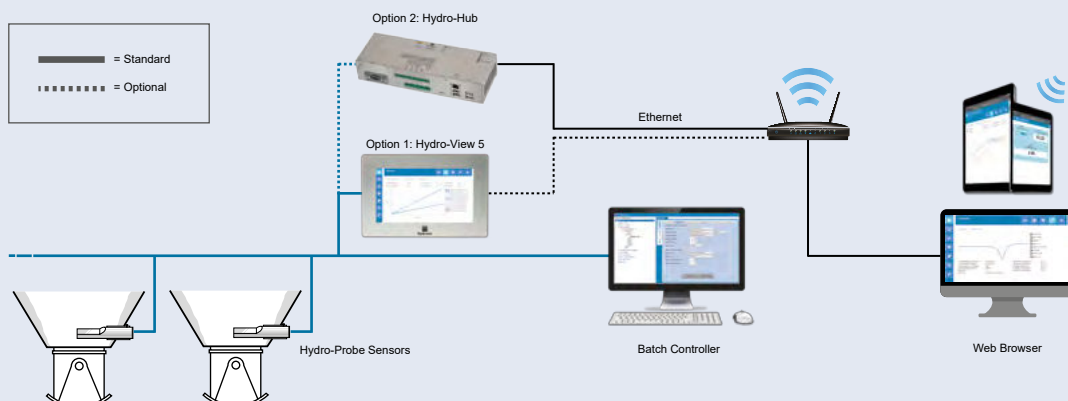
### ACCURACY - HYDRO-PROBE SENSORS

Digital microwave moisture measurement is highly accurate. **Hydronix Hydro-Probes** are installed in bins, silos and on conveyors to accurately measure the moisture content of material as it flows over the ceramic faceplate. Hydro-Probes combine precise measurement with user friendly simple set-up and long-term calibration.

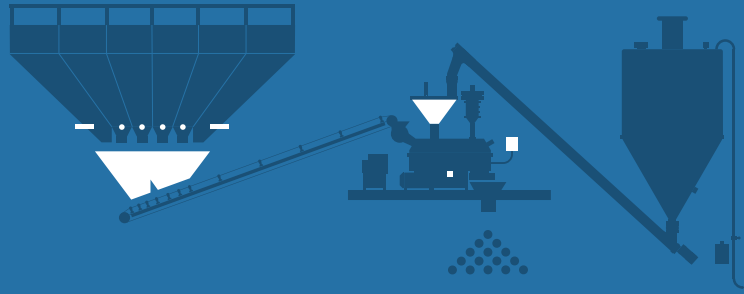


### USER FRIENDLY - HYDRO-VIEW DISPLAY

Ensuring sensors stay calibrated is key in maintaining batch accuracy over the long term. **Hydronix Hydro-View** is an intuitive moisture display unit that displays real time on-line process measurements, including both moisture and temperature. Its simple interface provides a quick and easy method to calibrate and configure Hydronix sensors.







## Controlling Moisture In The Mixer

Accurately measuring moisture in the mixer optimises the entire mixing and production process. The system automatically calculates exactly how much water is required for each batch and identifies when the mix reaches homogeneity, ensuring repeatability batch after batch.

- Minimise waste & reject batches, reduce CO<sub>2</sub>
- Consistent concrete workability
- Automatically control cement / water ratio
- Maximise concrete product quality
- Excellent Return On Investment



### ACCURACY - HYDRO-MIX SENSORS

Digital microwave moisture measurement is highly accurate. **Hydronix Hydro-Mix** is a floor mounted sensor designed to accurately detect moisture levels in the mix. The unit provides long lasting performance and is perfect for static pan, planetary, single shaft and twinshaft mixers. For rotating pan mixers we also offer the Hydro-Probe Orbiter.



### SIMPLICITY - HYDRO-CONTROL SYSTEM

Used with Hydro-Mix sensors, the **Hydronix Hydro-Control** unit calculates and automatically adds the required amount of water to achieve the desired mix recipe, ensuring consistency in every batch. Designed for simplicity of use, the colour display clearly indicates mix cycle status with a continuous graphical display of moisture content.



# PROCESS IMPROVERS: MIXING

## Optimise Your Mixer

Mixers have a far-reaching impact on batch plant operation. They're at the heart of the process and it's hard to understate the effect they have on all aspects of plant performance, including product quality, process efficiency, CO<sub>2</sub> associated with production, safety, and the bottom line. That's why *Make it better* starts with mixing. Optimising mixer performance is a great way to start improving the whole process and reduce your impact on the environment. We have the know-how and unique high-quality components to do just that.



### KEEP MIXERS RUNNING - ALPHAPLATE

Replacing mixer wear plates is a costly business. It's time consuming, high risk and stops production. Investing in plates that last longer and reduce the need for change should be a priority. **AlphaPlate hardweld wear plates** offer exceptional wear life and the automated manufacturing process ensures an accurate fit every time.



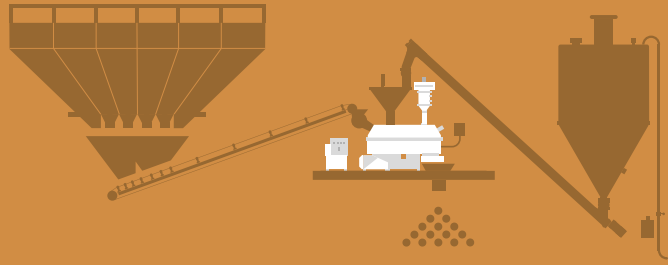
### PROTECT MIXING EFFICIENCY - ULTRA

As mixing tools and scraper blades wear out, mixer performance is seriously compromised. Low cost parts wear quickly and can be a false economy. **Ultra tungsten carbide wear parts** last many times longer, helping to prevent product quality issues, extended batch cycle times, and excessive downtime for maintenance and cleaning.



### SIMPLIFY MAINTENANCE - HAWIFLEX®

Raw materials and mix designs vary, so to keep a mixer operating efficiently often means a combination of wear parts will work best. **Hawiflex® premium polyurethane wear parts** are abrasion resistant and exceptionally elastic, so they absorb impact and last longer. They are quick and easy to clean, light for safer handling and reduce noise.



## Upgrade The Mixing Process

Every stage of the process plays its part, but the mixer is undeniably the heart of a plant. As demands on mixing equipment grow, mix designs become ever more complex and energy consumption becomes a significant operating concern, mixer performance plays a big part in the success of the whole operation. Even small efficiency gains in this part of the process pay dividends many times over, which is why it makes sense to invest in the latest mixing technology and ensure it keeps operating at optimum levels over the long term.



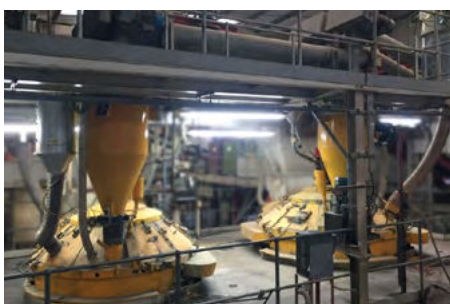
### HIGH QUALITY MIXING - TEKA MIXERS

Investing in a new mixer is a key decision. **TEKA mixers** have an intensive, highly efficient mixing action which ensures maximum mix quality can be achieved in minimum time - typified by the revolutionary THT turbine mixer. Market leader for a reason, TEKA mixers reliably keep producing high volumes of top quality concrete and won't become the bottleneck in your plant.



### KEEPING MIXERS CLEAN - WALTER

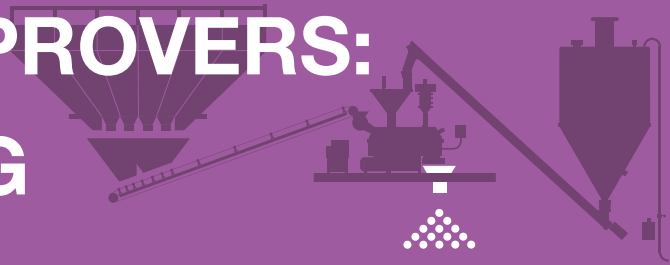
Keeping mixers clean is essential if they are to perform at their best. Build-up prevents efficient mixing, increases running costs and is dangerous to remove. **Walter cleaning systems** keep mixers exceptionally clean using a quick, safe, automatic cleaning cycle, with the new RD3maX optimised to excel in twinshafts. Keep your mixer making high quality concrete with less downtime.



### MINIMISE DUST ON PLATFORM - CDX

Poorly sealed and vented mixers release large quantities of dust during loading. **CDX mixer venting filters** keep platforms cleaner, safer and protect site staff. During the batching cycle the filter creates negative pressure within the mixer, effectively controlling airborne dust and returning material directly into the mixer so waste is reduced.

# PROCESS IMPROVERS: DISCHARGING



## Optimise Transfer To Trucks Or The Production Line

Once concrete leaves the mixer or dry leg it's easy to assume that the job is done, but we feel that the discharging stage of the process is as important as any other. Blockages throttle how quickly Truckmixers can be loaded or concrete product machinery can be fed. Maintenance impacts on productivity and is challenging due to inaccessible locations. Improving the flow of concrete and longevity of components offers significant benefits, particularly in terms of overall plant efficiency and production volumes.



### BLOCKAGE FREE WET CHUTES - CONEFLEX

If concrete doesn't flow freely from the mixer discharge chute it affects the throughput of the plant and increases downtime to clear blockages and remove build-up. **ConeFlex** is a low friction, 'non-stick' conical chute constructed from Hawiflex® polyurethane. The durable chute is easy to clean and minimises build-up for many years.



### LONG LASTING CHARGE CHUTES - TRUCKFLEX

Replacing failed truckmixer charge chutes is a costly problem. The maintenance involved stops the plant and requires risky work at height. **TruckFlex** offers long-life performance with a clever dual-layer Hawiflex® polyurethane design. The wear resistant *inner* combats abrasion from concrete whilst the *outer* reduces risk of tearing from trucks.



# PROCESS IMPROVERS: BLOCK MACHINES



## Reduce Stoppages & Safeguard Quality

Block production is a finely tuned process. Product quality, cycle times and production volumes are all affected by the performance of the block machine and condition of production boards. Optimising these key pieces of kit is a challenge, requiring regular adjustment, component replacement and servicing. This is where we come in. Fitting high quality, long lasting wear parts minimises frequency of stoppages and allows the line to run at higher capacity. Keeping production boards cleaner ensures they flow through the system freely and maintain product quality.



### KEEP BOARDS CLEAN - CRUSTCRACKER

During production, cementitious materials build-up on production boards. This detrimentally affects the board surface and the quality of blocks. The ground-breaking **CrustCracker** is an autonomous 5 brush system which deep cleans the full surface of boards without stopping production. As the board surface is significantly cleaner, the likelihood of suffering rejects is reduced and boards last longer.



### MINIMISE ADJUSTMENT - VIBRATION TABLE LINERS

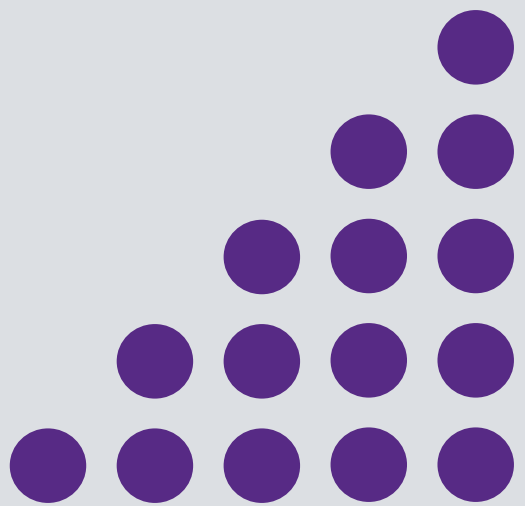
Table liners endure immense vibratory forces and as a result steel liners wear quickly. Regular, time consuming adjustment is then required to maintain consistent block quality. **ConSpareUltra tungsten coated liners** are extremely abrasion resistant and highly polished, maximising the service life of the components and greatly reducing the frequency of adjustment.



### MINIMISE DOWNTIME - FEEDBOX TABLE PLATES

Table plates experience high levels of abrasion, impact and erosion, all of which are exacerbated by pressure. Premature failure requires replacement which is highly disruptive and causes safety issues. **ExtraChrome~Snake hardweld coated plates** are exceptionally abrasion and impact resistant, maximising service life. Meticulously manufactured, they ensure optimal performance and installation.





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