

# ConSpare

Make it better.

**CAPITAL DIVISION**





# ConSpare

Make it better.

ConSpare improves 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 divisions will help you to Make it better.

## THE CAPITAL DIVISION

We have 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, improves sustainability, 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. >>>>>



Leader for high-performance mixers

- Revolutionary THT turbine mixer
- Pan, planetary and twinshaft mixers



Leader in concrete equipment cleaning

- Automated mixer washout systems
- Specialist readymix and precast solutions



Leader in microwave moisture measurement

- Measuring hidden moisture in aggregates
- Controlling moisture in the mixer



Innovative production board cleaning system

- Automated, inline, 5 brush system
- Extend board service-life. Reduce dust.



Leading manufacturer of Screw Conveyors

- Synonymous with cement feeding applications
- Durable, cost effective & simple to maintain

INDIVIDUALLY, EACH THE LEADER IN THEIR FIELD  
+  
IN COMBINATION, THE ULTIMATE MIXING PACKAGE



# TEKA MIXERS

THE LEADER FOR HIGH-PERFORMANCE MIXERS

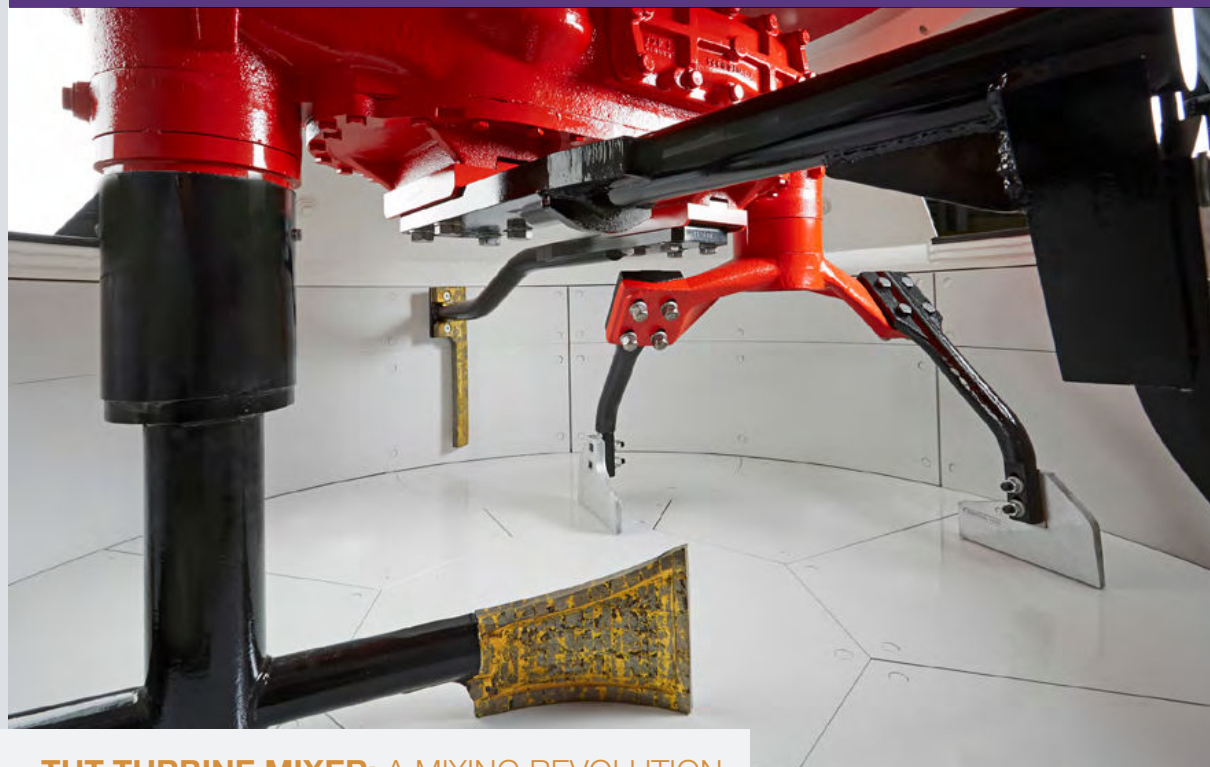


## TEKA Maschinenbau GmbH:

- Over 60 years of mixing excellence & innovation
- Install base of 20,000+ mixers worldwide
- High quality, efficient mixing. Long service-life with low running costs
- Each mixer configured to suit client requirements

## Our partnership:

- Supplying TEKA's since the 1960's
- 300+ operational in UK
- 4 different models / mixing actions allow us to specify best machine for the project
- UK-based support and spare parts provider



## THT TURBINE MIXER: A MIXING REVOLUTION

The ground-breaking THT is versatile, reduces batch cycle times, and provides high-performance with even the most difficult of mixing tasks.

The THT's MixTurbine generates a unique "swing and throw" effect, which results in a highly intensive mixing action and accelerates discharge.

Via frequency converter, the rotational speed of the MixTurbine can be adjusted and optimised for the specific batch, or for individual stages of the cycle.

THT also provides ultimate flexibility and reduces product waste, with all models able to effectively mix down to ca.15% of the theoretical batch size.

Sizes: 250 litres to 3000 litres (0.17m³ to 2m³ concrete output)



## TPZ PLANETARY

Counter current mixing action

Designed for challenging mixing applications

High performance, yet low maintenance

250 litres to 4500 litres  
(0.17m³ to 3m³ concrete output)

### TPZ CASE STUDY:

ROTATING PAN MIXER REPLACED -  
SAVES 68,000 kWh PER YEAR

consapare.com/case-studies/  
teka-tpz-planetary-mixer-achieves-environmental-and-financial-savings-for-major-roof-tile-producer/



## THZ PAN

Folding mixing action

Pioneer of pan mixer concept.  
Now on 5<sup>th</sup> generation design

Simplicity. Ruggedness.  
Exceptional service life

250 litres to 6000 litres  
(0.17m³ to 4m³ concrete output)



## TDZ TWINSHAFT

Compact design / footprint

Mix large batches quickly and efficiently

Long service life and low maintenance requirement

1500 litres to 4500 litres  
(1m³ to 3m³ concrete output)



Multiple wear lining options



WALTER mixer cleaning available



Skip-hoist loading options



## CDX: REDUCE DUST ON MIXER PLATFORM

CDX mixer venting filters control the dust created during the batching cycle, and are the perfect companion to your TEKA investment. They keep the mixer platform cleaner, safer and protect site staff.

- Creates negative pressure within the mixing pan to effectively contain the dust
- Reverse-jet technology returns filtered material directly back to the mixer within each batch
- Suitable for pan, planetary, turbine & twinshaft mixers
- Suitable for mixer capacities 500 litres to 4500 litres
- New mixer installations and retro-fit



# WALTER CLEANING SYSTEMS

THE LEADER & THE SPECIALIST IN CONCRETE EQUIPMENT CLEANING



## WALTER Gerätebau GmbH:

- 50 years of cleaning excellence & innovation
- Install base of 1800+ systems worldwide
- Clean mixers - more efficient & use fewer spares
- Eliminate the need for operators to enter vessels for cleaning, improving both safety and wellbeing

## Our partnership:

- Transformed mixer cleaning & mixer safety in UK
- 300+ automated cleaning systems in operation
- Each install is tailored to the application, ensuring you get the most from your investment
- Manufacturer approved servicing scheme



## RD3maX: RAISING THE BAR, YET AGAIN

For over 20 years, WALTER has set the standard for safe and highly effective automated mixer cleaning in UK. Already widely acknowledged as the best system on the market, they continue to innovate.

The new RD3maX cleaning head further boosts performance of the market leading DAB cleaning

system, increasing cleaning power by an extra 25% over the standard system. RD3maX is ideal for the most challenging mixer cleaning applications and excels in twinshaft mixers.

- Even greater cleaning focus over longer distance
- Increased working pressure of 120bar
- More efficient use of power from the pump

## Typical mixer cleaning set-up:

### TWINSHAFT MIXERS SINGLE SHAFT/RIBBON MIXERS

- DAB double pump unit - 100l/min
- RD3maX heads

MPA HEALTH & SAFETY AWARDS 2024:

FINALIST FOR PROJECT WITH  
MAXI READYMIX CONCRETE

[conspare.com/news/conspare-finalist-at-mpa-health-and-safety-awards-2024/](https://conspare.com/news/conspare-finalist-at-mpa-health-and-safety-awards-2024/)



### PLANETARY MIXERS PAN MIXERS

- A2B single pump unit - 50l/min
- RD3 heads



Mixer discharge chute  
cleaning option



Multi-mixer cleaning from  
centralised pump unit



Utilise recycled water with  
CleverSwitch option

## PRECAST SPECIALIST CLEANING



Concrete hoppers • Bullet skips

## TRUCKMIXER CLEANING

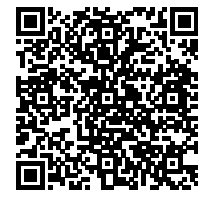


Washdown • Pigs Ear • Drums



# HYDRONIX

THE LEADER FOR MOISTURE MEASUREMENT



## Hydronix Ltd:

- Over 40 years of innovation
- Install base of 95,000+ sensors worldwide
- Pioneer of microwave moisture sensors
- Reduce waste. Save cement. Reduce CO<sub>2</sub>
- Average Return-On-Investment = 3 months

## Our partnership:

- Supplying Hydronix since 1997
- Master reseller to UK concrete industry
- Expert on-site and remote technical support
- Sensor calibration and staff training services
- Sensor repair service

## EXAMPLE IN READYMIX:

CLIENT REPORTED AN AVERAGE REDUCTION OF 26KG OF CEMENT PER CUBIC METRE OF CONCRETE AFTER INSTALLING HYDRONIX.

[conspare.com/case-studies/hydronix-achieves-significant-co2-and-financial-savings-at-busy-readymix-plant/](https://conspare.com/case-studies/hydronix-achieves-significant-co2-and-financial-savings-at-busy-readymix-plant/)

## EXAMPLE IN PRECAST:

INCREASED BATCH ACCURACY REDUCED SCRAPPAGE BY 75,000 BRICKS PER ANNUM.

[conspare.com/case-studies/helping-mansfield-brick-make-it-better/](https://conspare.com/case-studies/helping-mansfield-brick-make-it-better/)

## MEASURING HIDDEN MOISTURE IN AGGREGATES



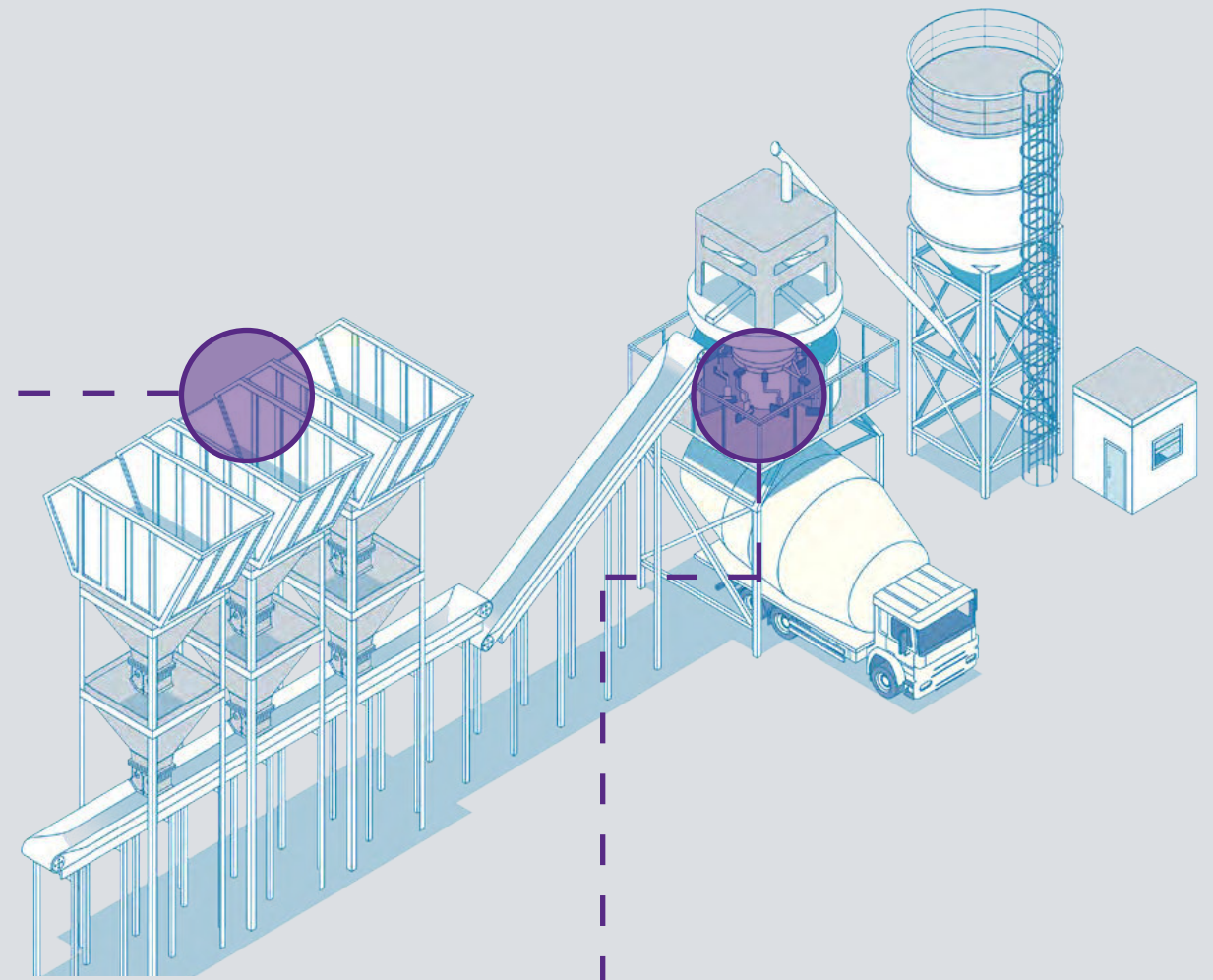
Moisture in sand and aggregates is the hidden variable in the process. Failure to identify this water content has a significant effect on the cost of production, the carbon footprint of the plant, and product quality.

Hydronix measures moisture in each batch, transforming mix design accuracy and reliability.

- Minimise 'over-cementing' and reduce cement wastage
- Improve yield and productivity
- Accurately control aggregate / cement ratio
- Reduce reject batches

(1) Hydro-Probe:  
(2) Hydro-View:

Measurement to control raw material weight  
Display & manage moisture sensors over the network



## 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 and reject batches
- Consistent concrete workability
- Automatically and precisely control water / cement ratio
- Maximise concrete product quality

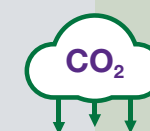
(1) Hydro-Mix:

Measurement to monitor water addition and mix homogeneity

(2) Hydro-Control:

Precise control of water addition

## The industry is working hard to reduce CO<sub>2</sub>. Hydronix is proven to help.



ORDINARY PORTLAND CEMENT COSTS THE ENVIRONMENT  
~900 kgCO<sub>2</sub>e/tonne

PROCESS VARIABILITY INCREASES S.D., LEADING TO OVER-CEMENTING.

HYDRONIX CONTROLS WATER BATCHING ACCURATELY, REDUCING THE S.D.

TARGET STRENGTH IS ACHIEVED WITHOUT OVER-CEMENTING, REDUCING kgCO<sub>2</sub>e AND COST.



# CRUSTCRACKER

AUTOMATED, INLINE, PRODUCTION BOARD CLEANING

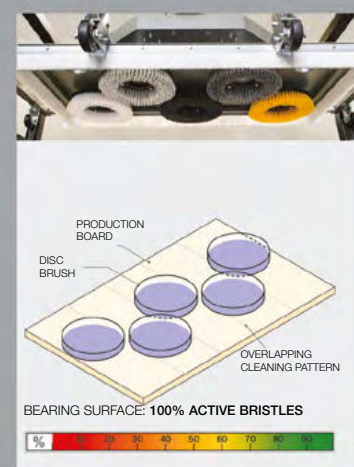
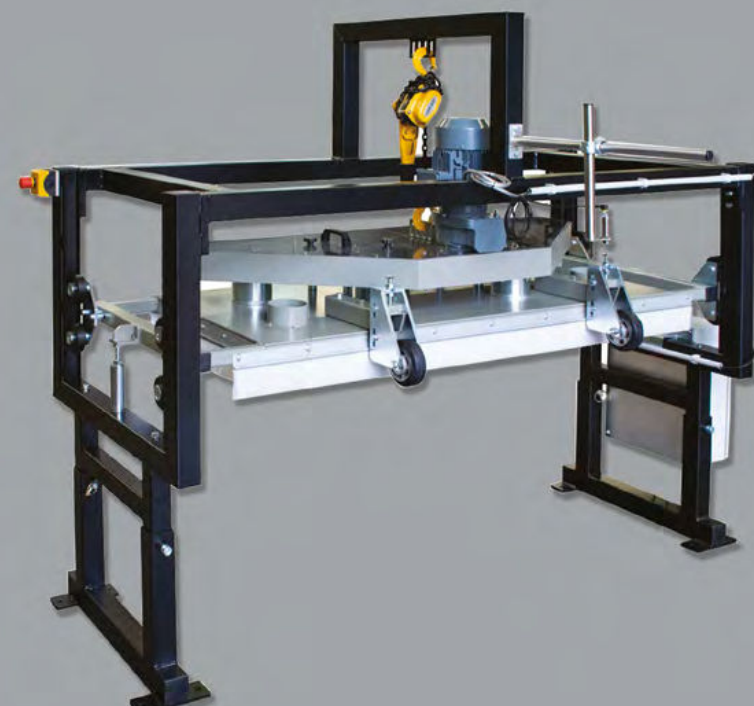


## CrustCracker from Weber Brush Systems GmbH:

- Established in 1894. 40+ years producing specialist cleaning brushes for precast industry
- Moving brush cleaning forward with the invention of CrustCracker. Protecting your investment in production boards by extending service-life.

## Our partnership:

- UK partner since 2010. On track to establish CrustCracker as benchmark for board cleaning
- Help ensure seamless retro-fit onto the line
- Dust extraction system integration
- Large UK stockholding of brush spares



## PROTECT YOUR INVESTMENT IN BOARDS

Production boards are an important, and expensive, component within a concrete products operation.

The innovative **CrustCracker** brush system is proven to protect production boards, protect product quality, and reduce dust. Five overlapping disc brushes remove encrusted concrete, dirt and rust from the entire surface

of the board without damage. The autonomous, inline system ensures production remains uninterrupted, with clean boards immediately ready for use.

- Reduce board damage and board handling errors
- Safeguard concrete product quality
- Control dust to improve safety & working conditions

# WAM SCREW CONVEYORS

THE GLOBAL LEADER



## WAMGROUP S.p.A.:

- Established in 1968
- Worldwide leading manufacturer of screw conveyors and screw feeders. ~1million supplied
- Extensive range of tubular and trough conveyors. Plus specialist heavy-duty and vertical options.

## Our partnership:

- Supplying WAM components for over 35 years
- WAM Master Reseller since 2023
- Engineering support via site surveys, scoping, and CAD technical drawings
- Large UK stockholding of spare parts



## SPOTLIGHT: TYPE-ES

In over four decades the ES-type Screw Conveyor has become synonymous with cement feeding and conveying applications in concrete batching plants all over the world.

In this period, WAM has supplied more than half a million units, with its success based upon

durability, cost effective operation, and simplicity of maintenance.

- Ideal for cement and cementitious materials
- Quick, versatile installation thanks to innovative ball-jointed universal inlets and outlets
- 7 tube diameters, custom lengths





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