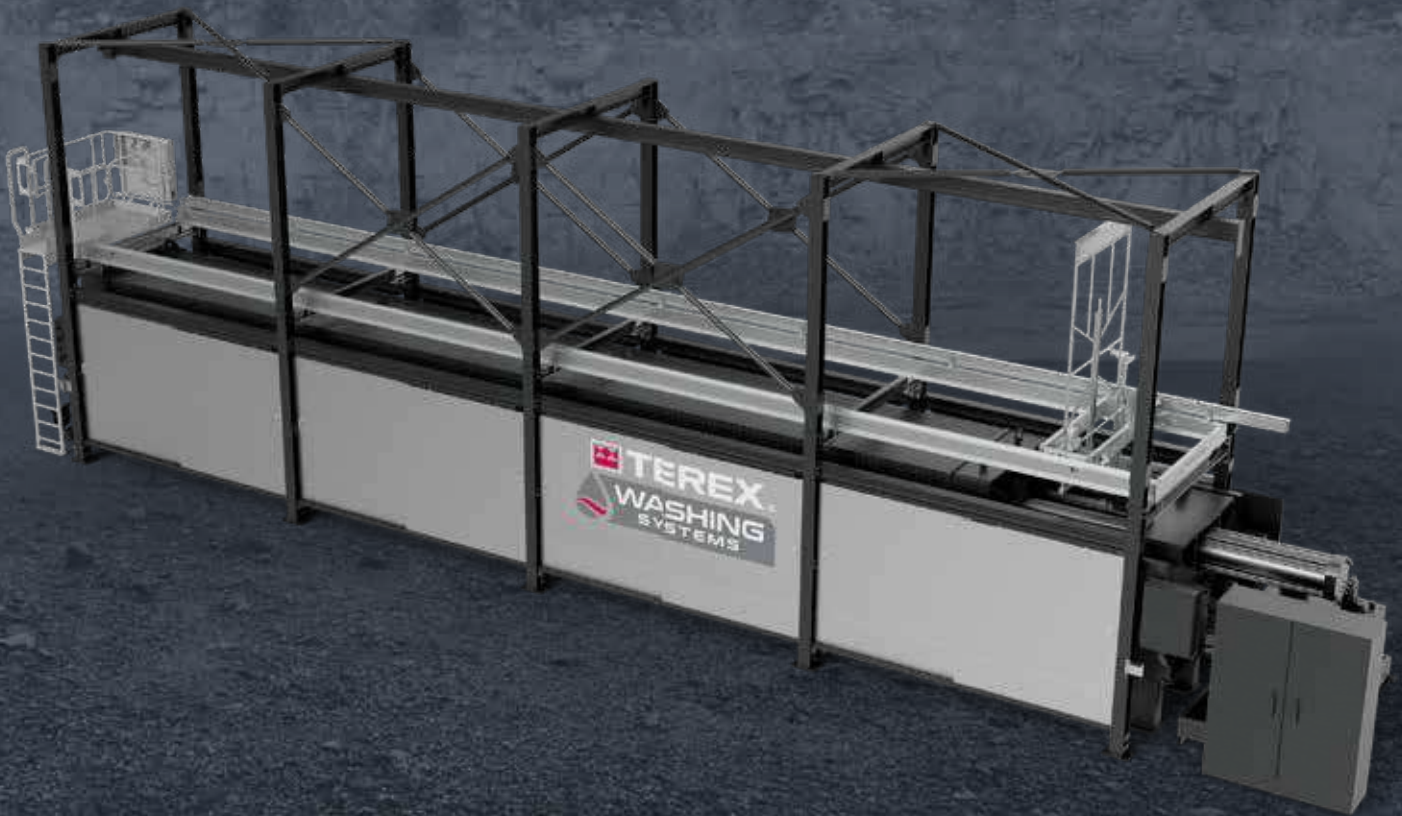


FILTERPRESS RANGE



Elevate your operations with our Filterpress Range, precision-engineered for demanding aggregate and recycling applications, offering high performance, water recovery, and operator safety.

AGGREGATES



RECYCLING



SANDS



WATER MANAGEMENT



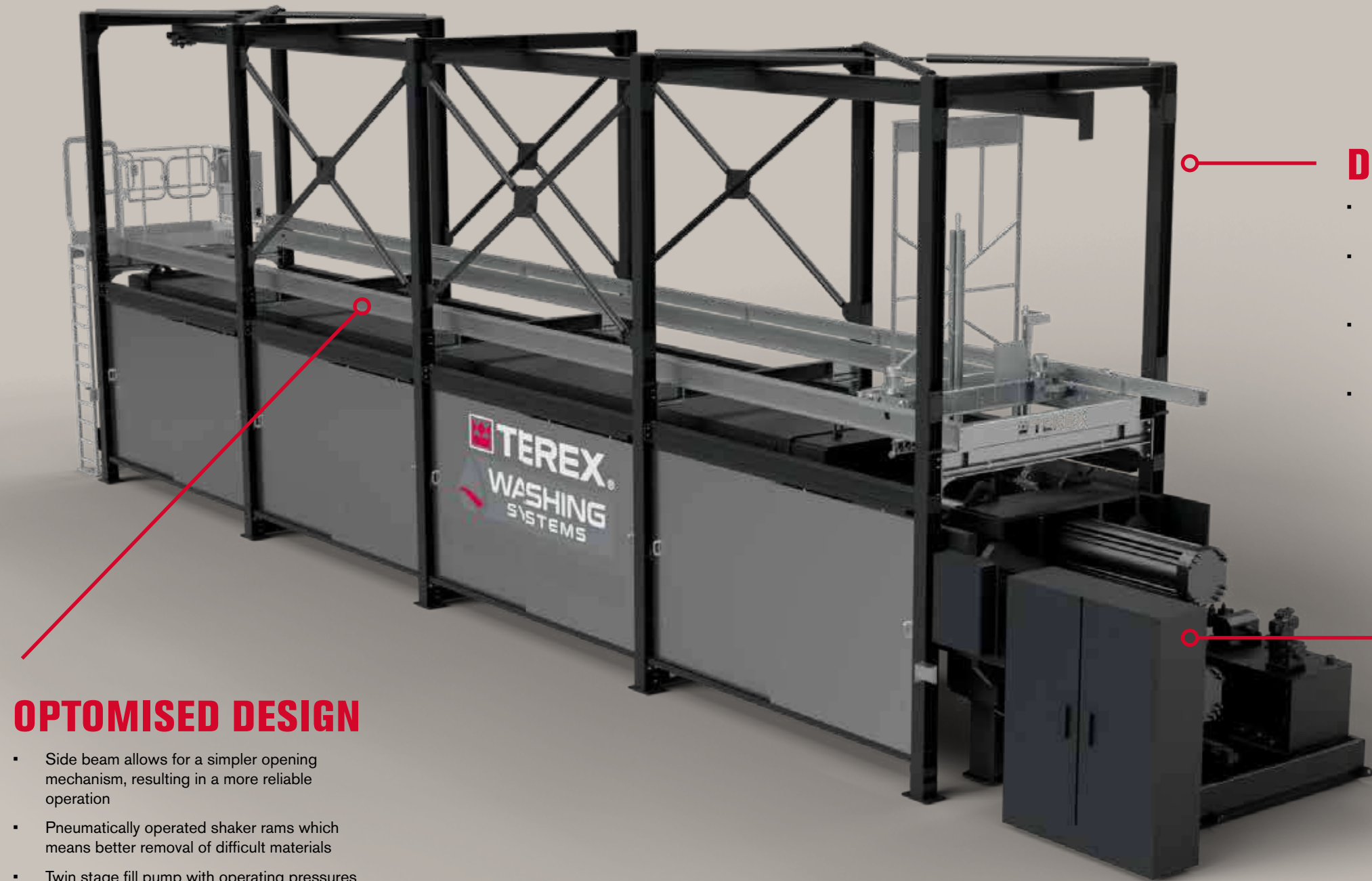


TEAM OF EXPERTS

The initial design and specification of your water treatment solutions right through to the aftercare support, Terex Washing Systems have their own dedicated team of experts who will analyse and test your material at our on-site laboratory, guaranteeing final product specification and optimal water treatment sizing.

WHY A FILTERPRESS?

A Terex Washing Systems designed and manufactured Filterpress will reduce plant water requirements and minimise waste handling costs. This is achieved through the recycling of up to 95% of plant process water and the filterpress will process sludge into dry solids down to 85%, minimising disposal costs. The Filterpress is a space saving solution when compared to traditional pond systems, which is ideally suited for urban C&D processing sites.



OPTOMISED DESIGN

- Side beam allows for a simpler opening mechanism, resulting in a more reliable operation
- Pneumatically operated shaker rams which means better removal of difficult materials
- Twin stage fill pump with operating pressures up to 16 bars

DESIGNED TO LAST

- Quality European manufactured cloths and plates ensuring consistent longevity
- Belt driven side beam plate opening system eliminates hydraulics ensuring no possible source of contamination
- Open filtrate plate design along with high capacity stainless steel filtrate collection troughs eliminates water spillages
- Industry leading components used in the electric design ensures reliability

EASE OF OPERATION

- PLC controlled gives the ability for your plant to be operated unassisted (out of hours) maximizing your plant output
- Intelligent diagnostics informs the operator of potential issues, minimising downtime
- Fully automated robotic cloth wash ensures consistent cycle times and minimises operator labour.

INTELLIGENT CONTROL PANEL



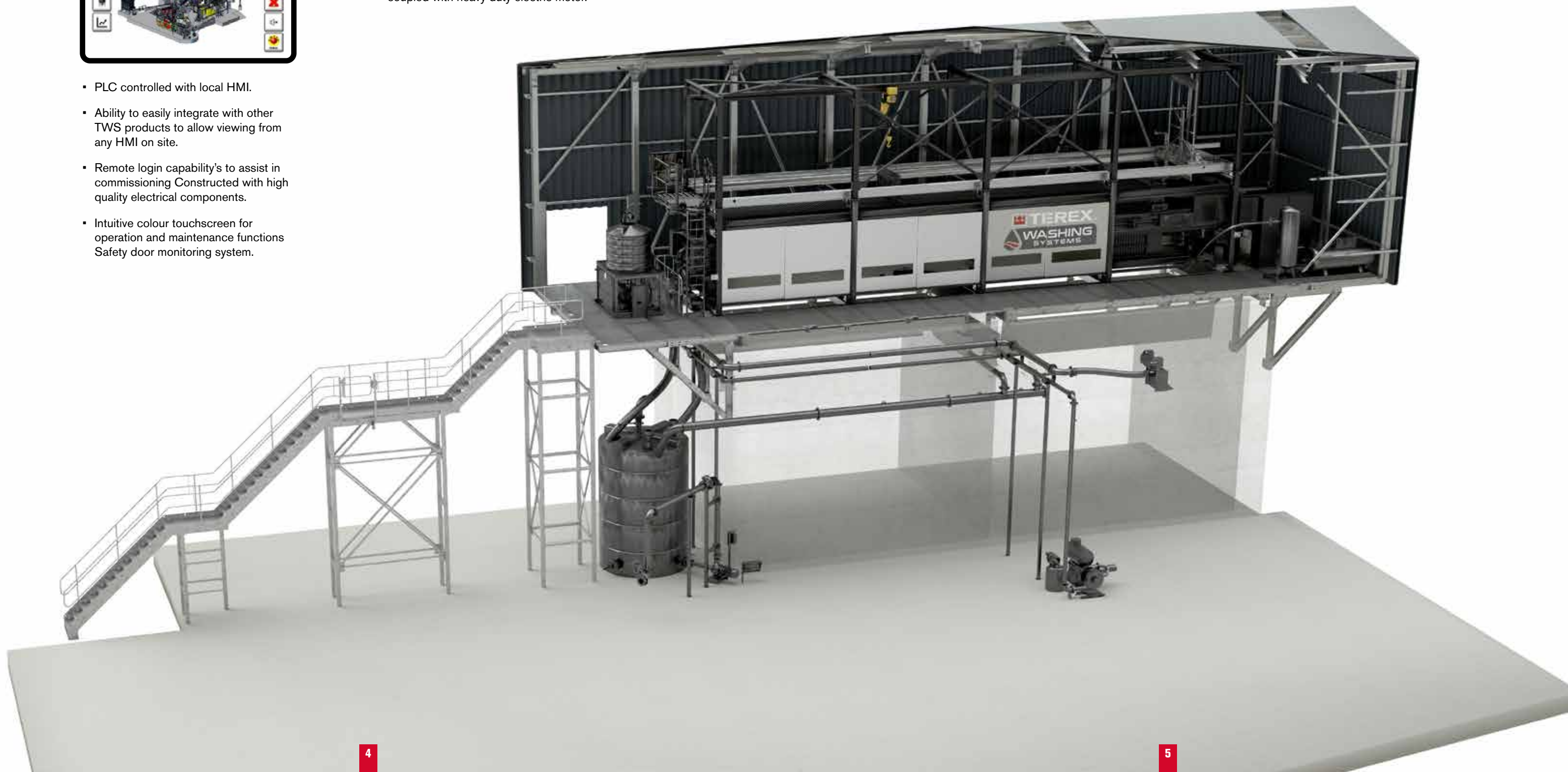
- PLC controlled with local HMI.
- Ability to easily integrate with other TWS products to allow viewing from any HMI on site.
- Remote login capability's to assist in commissioning Constructed with high quality electrical components.
- Intuitive colour touchscreen for operation and maintenance functions Safety door monitoring system.

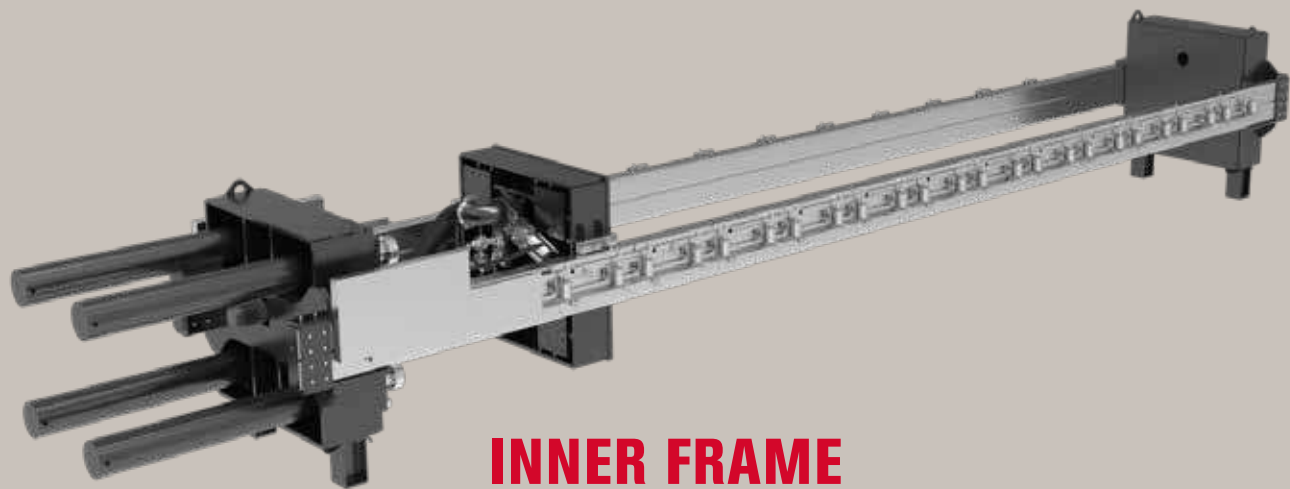
DUAL FILL SPEEDING UP FILL TIMES/CYCLE TIMES

- Filter plates Engineered to the highest standards manufactured in Germany longer life plates.
- Low maintenance high speed opening system with Zero risk of oil contamination into the filtrate water using our toothed belt coupled with heavy duty electric motor.



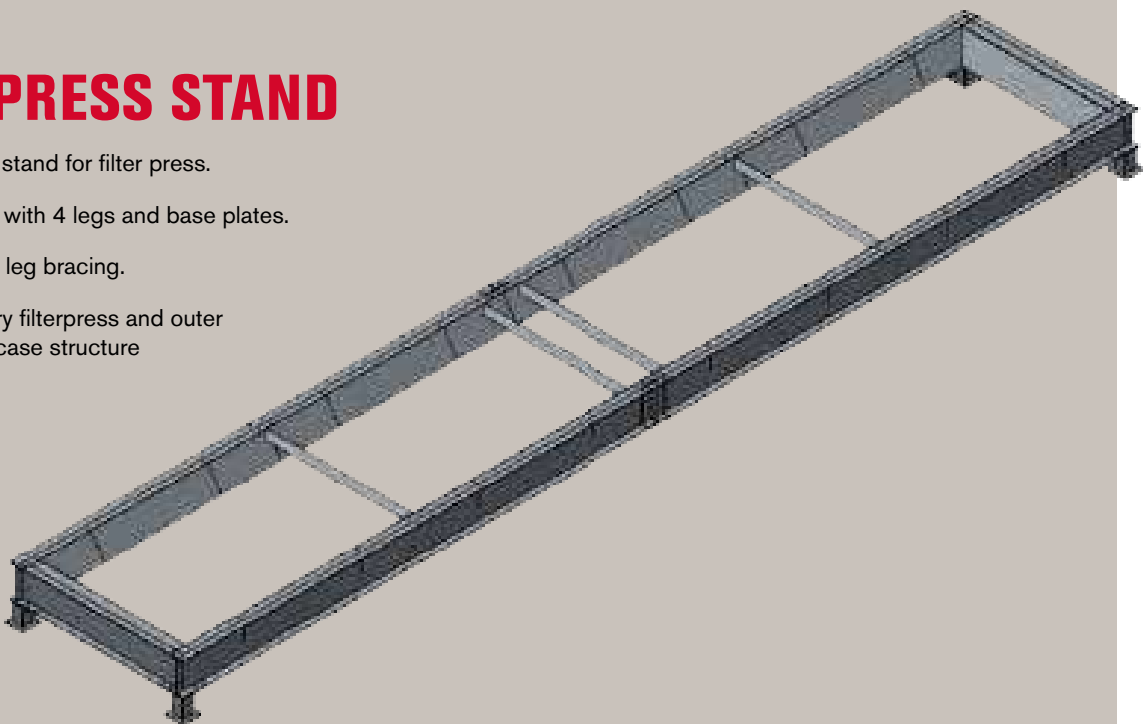
WHATS IN THE BOX





INNER FRAME

- Frame structure guaranteed built to Terex engineering standards
- Heavy duty structure made of two fixed heads and a moving head.
- Fixed heads coupled by heavy duty tubular steel side beams.
- Manufactured using laser alignment for straightness, keeps filter plates in perfect symmetry.
- Huckbolt fastened weldless end connections, eliminates stress points.
- End plates and platen faces machined to ensure a perfectly flat surface.



FILTER PRESS STAND

- Fabricated steel stand for filter press.
- Steel framework with 4 legs and base plates.
- Cross and linear leg bracing.
- Designed to carry filterpress and outer structure on precast structure

SAFETY AT THE FOREFRONT

- Protects operators safety
- Robust design with quick assembly
- Stainless steel sliding doors for industry leading safety.
- Door monitoring system which will alert the operator to an open door
- Galvanised walkways & handrails for all-round access.
- Access stairs to ground level



EASE OF MAINTENANCE

- Structure above press provides enhanced maintenance ability.
- Ladder access to the top of the filter press.
- Safety gate and fall protection tie offs.
- Allows manual crane to be mounted to service filter plates



FILTERPRESS RANGE

AUTOMATIC CLOTH WASH SYSTEM

- Plate wash system
- Fully automated plate wash system to keep the filter press operation at optimum efficiency, depending on type of material cloths can get clogged over time causing the cycle times to increase thus decreasing efficiency



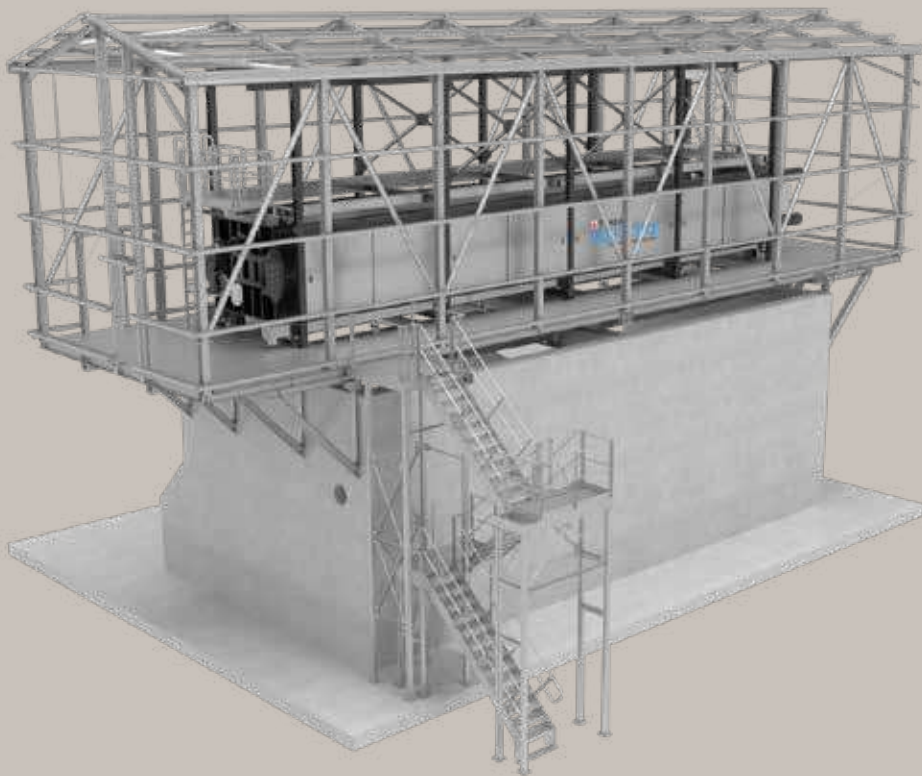
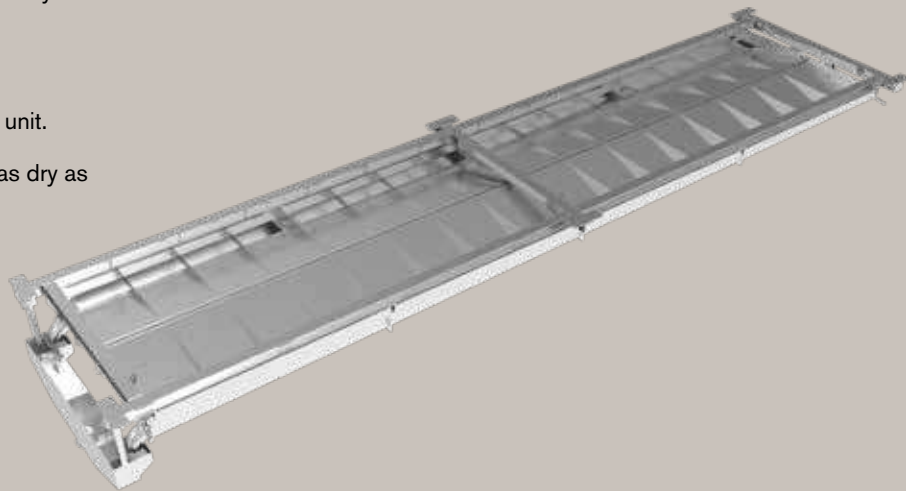
Benefits include:

- High pressure water pump separate water tank for cloth wash
- Wide angle nozzles on wash bar Fully automated wash process
- Can be set to wash at the end of the production day
- Stainless steel construction zinc plated drive mechanism



DRIP TRAYS

- Collects all dripping water during pressing.
- Required when auto cloth wash system has been selected.
- Automatic PLC controlled.
- Independent hydraulic power unit.
- Ensures your cakes are kept as dry as possible in the bays



FILTER
PRESS
HOUSING

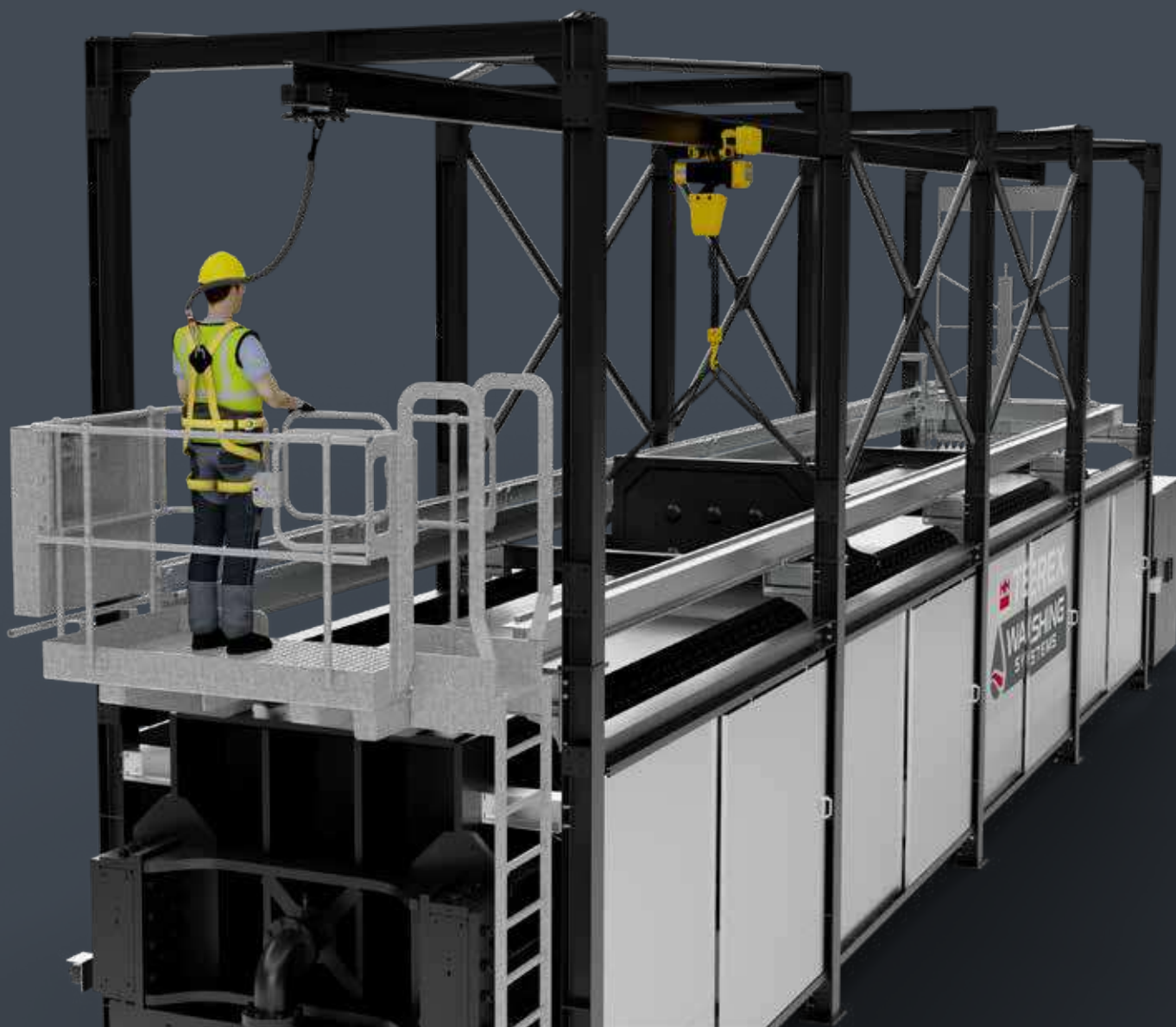
- The Steel framed structure meets BS Standards
- Option of standard cladding or insulated cladding on wall and roof.
- Optional solid floors.

| Machine Model | FP1500 | FP2015 | FP2000 |
|--------------------------------------|-----------------------------|------------------------------|-------------------------------|
| Plate Size (mm) | 1500 x 1500 | 2000 x 1500 | 2000 x 2000 |
| Working Pressure (bar [psi]) | 15 [218] | 15 [218] | 15 [218] |
| No. of Plates | 45 - 135 | 45 - 165 | 45 - 165 |
| Filtration Area (m² [ft²]) - Min Max | 167 - 510 [1798 - 5490] | 223 - 832 [2400 - 8956] | 309 - 1150 [3326 - 12379] |
| **Tons per Cycle (mtph [stph]) | 5.24 - 15.95 [5.78 - 17.58] | 9.56 - 35.64 [10.54 - 39.29] | 12.16 - 45.32 [13.40 - 49.96] |

** Tons per cycle based on cakes with an SG of 1.88 and 35mm chamber.



**DEDICATED TO WASHING,
DEDICATED TO YOU**



TEREX WASHING SYSTEMS

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Northern Ireland, BT71 4DT

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Effective Date: April 2024 Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and Terex makes no other warranty, express or implied. Products and services listed may be trademarks, service marks, or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries.
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