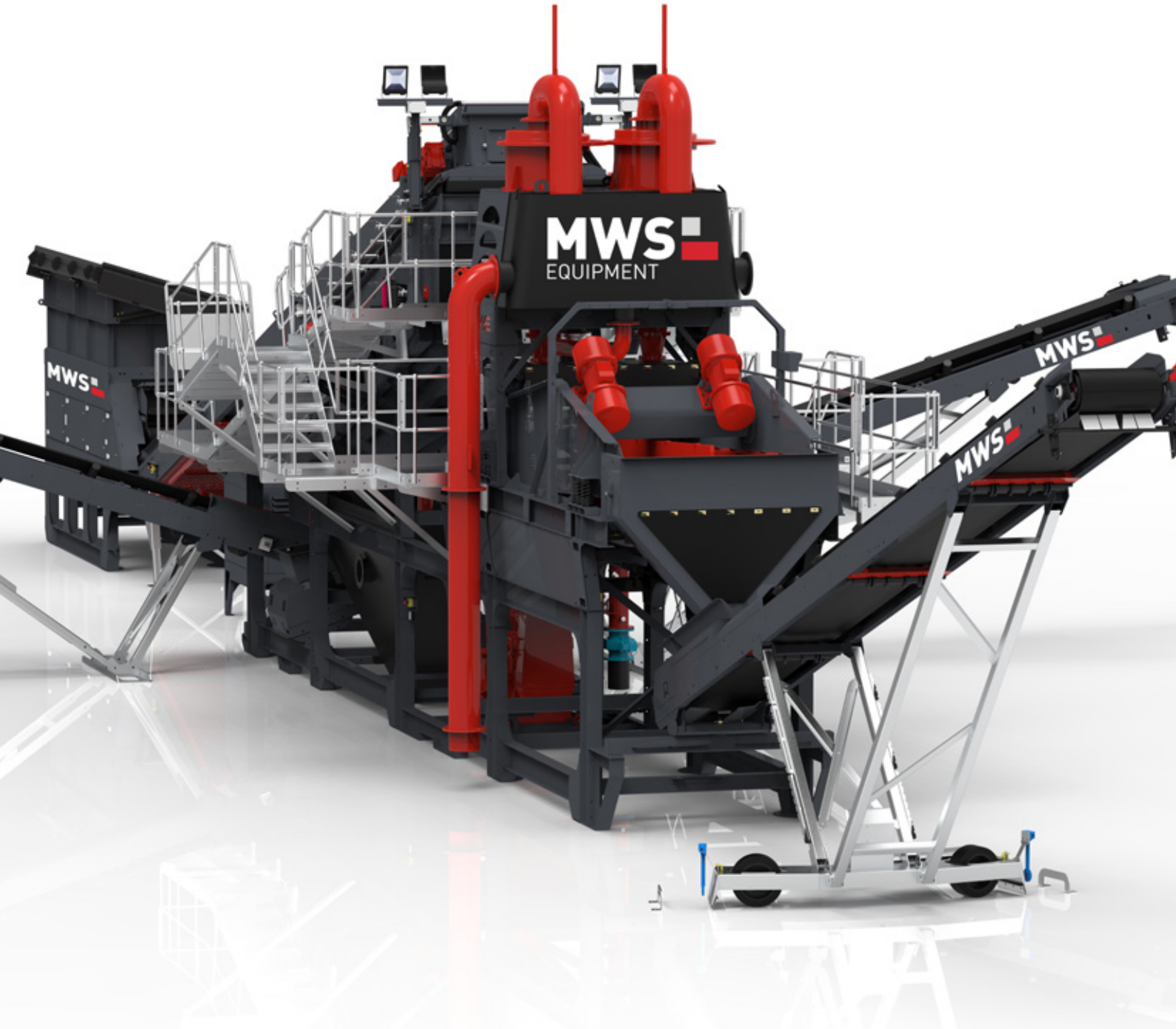


# MWS

EQUIPMENT



Smarter  
Washing  
Solutions

# SANDSTORM™

Modular Wash Range

# TECHNICAL DATA

## CHUTE

- Blending chute
- Chute rolls back for maintenance

## HYDROCYCLONES

- Hydrocyclones produce highly accurate separation of silts and clays from the final washed sand product
- Pump to hydrocyclone delivery system fully rubber lined ensuring maximum wear resistance

## WASHBOX

- Fully enclosed, sealed and rubber lined wash box
- Easily replaceable rubber lining
- Water saturation of material
- Targeting of material at rear of screenbox maximising screening area

## MAIN CONVEYOR

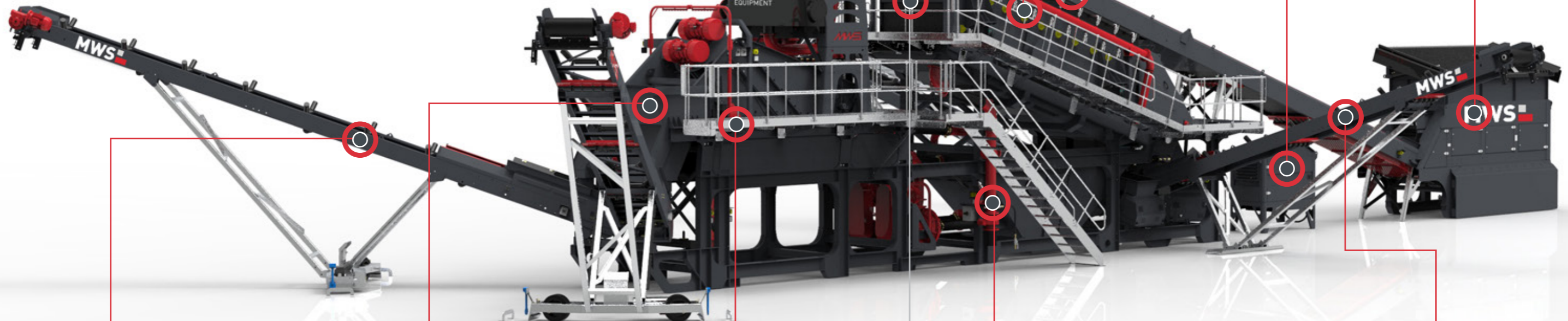
- 41 inch (1050mm) wide belt
- High quality polyurethane scraper
- Galvanised undercarriage
- Overband magnet option

## FEED/HOPPER

- Adjustable feeder and hopper door for consistent material feed
- Large capacity 15ft hopper 16yds<sup>3</sup> (12m<sup>3</sup>)
- Radio controlled Tipping grid
- Grid spacing 4"
- Vibrating grid option
- Variable speed belt feeder

## POWERPACK

- Electric hydraulic powerpack for maximum control of feeder functions



## SAND CONVEYORS 1 OR 2

- 37ft (11.3m) sand conveyors
- Automated Radial
- 20 degree incline
- Stockpile capacity 575yds<sup>3</sup> (440m<sup>3</sup>)
- High quality polyurethane scraper
- Galvanised undercarriage
- 100ft (30.5m) conveyor option

## WALKWAYS

- Galvanised walkways
- 30 inch (760mm) wide walkways

## DEWATERING SCREEN

- Dual and single sand options up to 200TPH
- Dewatered sand is discharged ready for market

## RINSER SCREENBOX

- 18 degree optimum working angle
- Rosta tensioned belt drive unit for increased belt life, efficiency and ease of maintenance
- Isolated spraybars
- Integrated fully sealed subframe and catchbox

## MAIN TANK

- Large inspection door(s) on tank

## AGGREGATE CONVEYORS 2 OR 3

- 37ft (11.3m) aggregate conveyors
- Positioned to the left or right
- 18 degree incline
- Stockpile capacity 125yd(95m<sup>3</sup>)
- High quality polyurethane scraper
- Galvanised undercarriage

# IMPERIAL

The below figures are for reference purposes only and are subject to changes without notice. Any stated throughputs are nominal and as such subject to the condition of the feed material.

## SANDSTORM™ 516

	2 Deck 1 Sand	2 Deck 2 Sand	3 Deck 1 Sand	3 Deck 2 Sand
Feed Rate – Maximum sTPH	330	330	330	330
Sand Production – Maximum sTPH	132	132	132	132
No of Provvregate / Sand)	2/1 (3)	2/2 (4)	3/1 (4)	3/2 (5)
Water Requirement USgpm	1100-1320	1100-1320	1100-1320	1100-1320
Power Requirements Hp	172	185	172	185
Screen Box Dimensions	16'x5'	16'x5'	16'x5'	16'x5'
DW Screen Dimensions	12'x5'	12'x5'	12'x5'	12'x5'
Overall Dimensions (L x W x H) Ft	131' x 59' x 25'	124' x 59' x 25'	131' x 65' x 25'	124' x 65' x 25'

## SANDSTORM™ 620

	2 Deck 1 Sand	2 Deck 2 Sand	3 Deck 1 Sand	3 Deck 2 Sand
Feed Rate – Maximum sTPH	551	551	551	551
Sand Production – Maximum sTPH	220	220	220	220
No of Products (Aggregate / Sand)	2/1 (3)	2/2 (4)	3/1 (4)	3/2 (5)
Water Requirement USgpm	1980-2200	1980-2200	1980-2200	1980-2200
Power Requirements Hp	212	236	212	236
Screen Box Dimensions	20'x6'	20'x6'	20'x6'	20'x6'
DW Screen Dimensions	14x6'	14x6'	14x6'	14x6'
Overall Dimensions (L x W x H) Ft	131' x 59' x 25'	124' x 59' x 25'	131' x 65' x 25'	124' x 65' x 25'

# METRIC

The below figures are for reference purposes only and are subject to changes without notice. Any stated throughputs are nominal and as such subject to the condition of the feed material.

## SANDSTORM™ 516

	2 Deck 1 Sand	2 Deck 2 Sand	3 Deck 1 Sand	3 Deck 2 Sand
Feed Rate – Maximum TPH	300	300	300	300
Sand Production – Maximum TPH	120	120	120	120
No of Products (Aggregate / Sand)	2/1 (3)	2/2 (4)	3/1 (4)	3/2 (5)
Water Requirement m <sup>3</sup> /hr	250-300	250-300	250-300	250-300
Power Requirements Kw	128	138	128	138
Screen Box Dimensions	4.9mx1.5m	4.9mx1.5m	4.9mx1.5m	4.9mx1.5m
DW Screen Dimensions	3.7mx1.5m	3.7mx1.5m	3.7mx1.5m	3.7mx1.5m
Overall Dimensions (LxWxH) m	40 x 18.1 x 7.8	38 x 18.1 x 7.8	40 x 19.9 x 7.8	38 x 19.9 x 7.8

## SANDSTORM™ 620

	2 Deck 1 Sand	2 Deck 2 Sand	3 Deck 1 Sand	3 Deck 2 Sand
Feed Rate – Maximum TPH	500	500	500	500
Sand Production – Maximum TPH	200	200	200	200
No of Products (Aggregate / Sand)	2/1 (3)	2/2 (4)	3/1 (4)	3/2 (5)
Water Requirement m <sup>3</sup> /hr	450-500	450-500	450-500	450-500
Power Requirements Kw	158	176	158	176
Screen Box Dimensions	6.1mx1.8m	6.1mx1.8m	6.1mx1.8m	6.1mx1.8m
DW Screen Dimensions	4.5mx1.6m	4.5mx1.6m	4.5mx1.6m	4.5mx1.6m
Overall Dimensions (LxWxH) m	40 x 18.1 x 7.8	38 x 18.1 x 7.8	40 x 19.9 x 7.8	38 x 19.9 x 7.8



# CONTROL SYSTEM

All of our control systems can be modified to suit customer preference and interact with other equipment on site as required.



## MACHINE CONTROL SYSTEM

MWS offer a range of control system options on the Sandstorm™ Modular Wash Plant from basic motor isolators on the machine to fully automated controls. Heavy-duty graphical user interfaces are used for ease of operation. All key data such as water flow, pressure, motor current etc. is displayed in real-time to allow operators to keep a close eye on all aspects of the machine. Common functions include automatic start / stop, feeder speed control and conveyor radial drive.

## REMOTE DIAGNOSTICS

The highest level of control allows all key data to be transmitted wirelessly to a second graphical user interface located in the cab of the loader feeding the Sandstorm™. This option gives complete control and information feedback to the machine operator from the comfort and safety of the operating cabin. All operational data as well as any fault codes and parameters are transmitted to the loader display module providing information and warnings to allow the operator to take the appropriate action in a controlled and timely manner.



## RADIO CONTROL

All major control and automation functions are also available via Radio Control. Our robust transmitter handset is kept with the operator to ensure safe and easy control of the machine.

## Headquarters

---

47 Moor Road, Coalisland, Co. Tyrone, BT71 4QB, N. Ireland

T +44 (0) 28 87 740 926

F +44 (0) 28 87 747 242

E [sales@mswashing.com](mailto:sales@mswashing.com)

W [mswashing.com](http://mswashing.com)

A Metso:Outotec Business

[Linked in](#) [You Tube](#)

**Smarter  
Washing  
Solutions**