

> Specification:

BRUCE WASHING SCREEN (WS) RANGE



BRUCE
MATERIALS PROCESSING SOLUTIONS

intelligent
washing solutions

> WASHING/FEEDING/SCREENING/RECYCLING/ENGINEERING/WEARPARTS

BRUCE WASHING SCREENS

SCREEN MEDIA OPTIONS:

- Polyurethane modules (optional extra)
- Rubber Screen mats (supplied as standard)
- Wire screen mats
- Finger decks

SPRAY BAR MANIFOLD:

- Complete control of water flow as each Spray Bar can be independently controlled and each “Vari Spray” nozzle can be independently controlled.
- Mounted to screen skid for ease of relocation.

DISCHARGE CHUTE:

- Hinged chute for ease of maintenance and media replacement.

Advantages to hinging (over roll on roll off):

1. Chute is less cumbersome, can be opened by one person.
 2. Uninterrupted access to front of screen to allow access for moving equipment (Telescopic etc)
 3. No wheels or tracks for obstructions to hinder rolling movement.
- Chutes completely Hardox lined.

FEED TRAY & REAR ACCESS:

- The Feed Tray is one part of three rear modular sections which when bolted off allow full access to screen internals from the rear.
- Feed Tray is Hardox lined.

RUBBER LINED SUMP FOR ABRASION PROTECTION

MODULAR SKID MOUNTED BASE:

- This gives the customer greater versatility to screen selection as screens can be retro fitted to most support structures available, whether it be Steel structure support or slab bays.

Image 2: DV8 12' x 5' Wash Screen

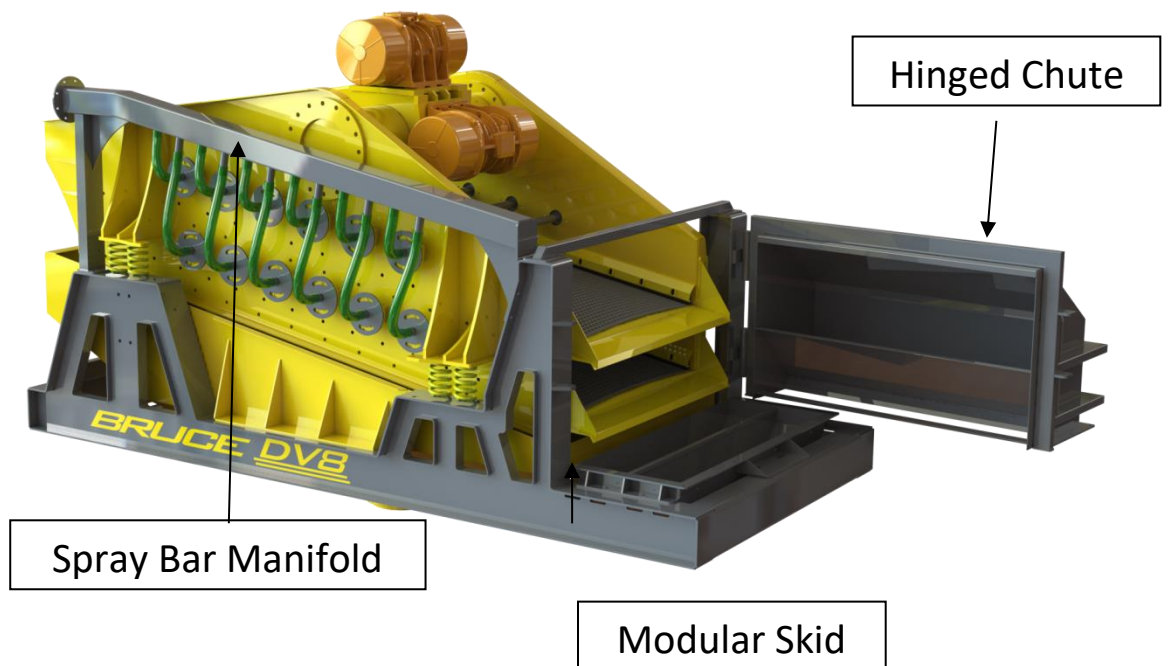
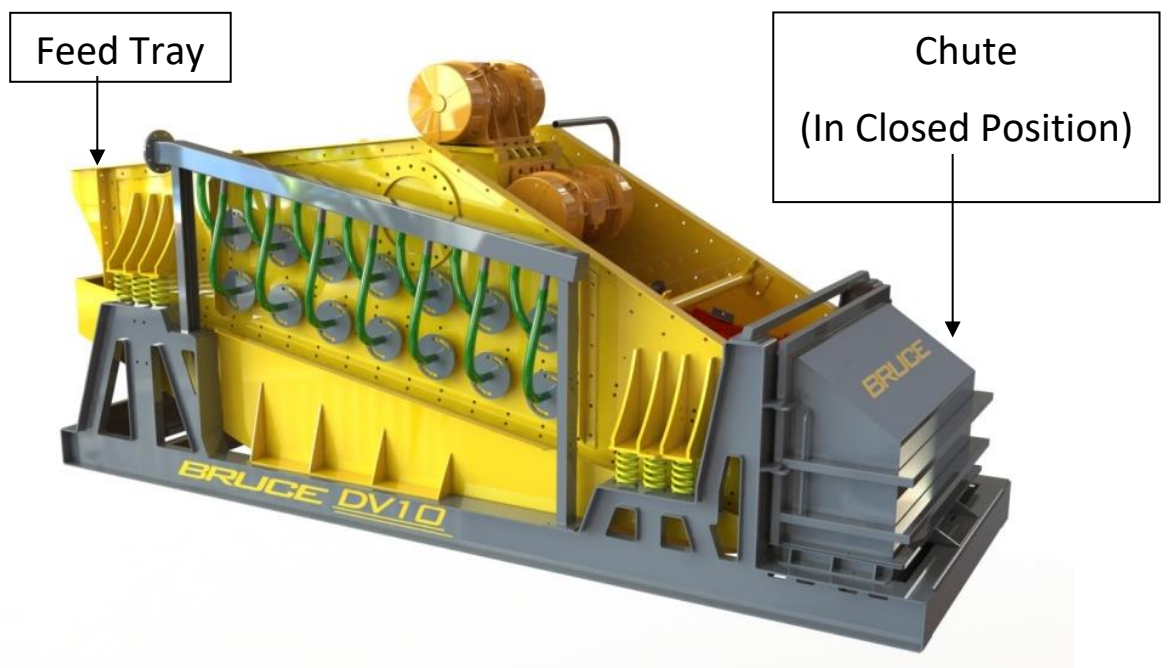


Image 3: DV10 16' x 5' Wash Screen



Bruce SV7 (10' x 5') Washing Screen

No. of Decks: Single deck

Screen Size: 3000mm x 1500mm (10' x 5')

Screening Area Per Deck: 4.5m²/50ft²

Pitch: 5° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 3No. Spray Bars. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 7.6kW out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 60m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce SV8 (12' x 5') Washing Screen

No. of Decks: single deck

Screen Size: 3600mm x 1500mm (12' x 5')

Screening Area Per Deck: 5.4m²/60ft²

Pitch: 5° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 3No. Spray Bars. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 7.6kW out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 60m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce SV10 (16' x 5') Washing Screen

No. of Decks: single deck

Screen Size: 4900mm x 1500mm (16' x 5')

Screening Area Per Deck: 7.35m²/80ft²

Pitch: 10° - 12° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 5No. Spray Bars. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 9.8kW out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 100m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce DV7 Washing Screen

No. of Decks: 2 (double deck)

Screen Size: 3000mm x 1500mm (10' x 5')

Screening Area Per Deck: 4.5m²

Pitch: 5° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chute: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 3No. Spray Bars top deck. 5No. bottom deck.

Spray Nozzles: "Vari Spray" nozzles. Independently controlled

Discharge Chutes: Hardox lined discharge chutes

Discharge Tray: Hardox lined

Power: 2No. 7.6kW motors out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 80m³/h (approx. dependant on nozzle qty), 2.5 bar

Bruce DV8 Washing Screen

No. of Decks: 2 (double deck)

Screen Size: 3600mm x 1500mm (12' x 5')

Screening Area Per Deck: 5.4m²

Pitch: 5° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chute: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 3No. Spray Bars top deck. 5No. bottom deck.

Spray Nozzles: "Vari Spray" nozzles. Independently controlled

Discharge Chutes: Hardox lined discharge chutes

Discharge Tray: Hardox lined

Power: 2No. 7.6kW motors out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 80m³/h (approx. dependant on nozzle qty), 2.5 bar

Bruce DV10 (16' x 5') Washing Screen

No. of Decks: double deck

Screen Size: 4900mm x 1500mm (16' x 5')

Screening Area Per Deck: 7.35m²/80ft²

Pitch: 10° - 12° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 5No. Spray Bars top deck. 7No. bottom deck. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 7.0kW out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 120m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce DV11 (16' x 6') Washing Screen

No. of Decks: double deck

Screen Size: 4900mm x 1825mm (16' x 6')

Screening Area Per Deck: 8.94m²/96ft²

Pitch: 10° - 12° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 5No. Spray Bars top deck. 7No. bottom deck. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 7.0kW motors out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 120m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce DV12 (20' x 6') Washing Screen

No. of Decks: double deck

Screen Size: 6000mm x 1825mm (20' x 6')

Screening Area Per Deck: 10.95m²/120ft²

Pitch: 10° - 20° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 7No. Spray Bars top deck. 7No. bottom deck. "Vari Spray" nozzles (4/5No. nozzles per bar).

Discharge Chutes: Hardox lined

Discharge Tray: Hardox lined

Power: 2No. 10.6kW motors out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 140m³/h (dependant on nozzle qty), 2.5 bar/30psi

Bruce TV7 Aggregate Rinsing Screen

Number of decks: 3 decks

Screen length: 3000mm

Screen width: 1500mm

Screen area per deck: 4.5m²

Inclination: 5° decline

Mounts: Mounted on Compression Springs

Screen media: Rubber mats provided as standard. Other media available upon request.

Screen apertures: customized

Chutes: Hinged Chute for ease of maintenance and media replacement.

Water feed: Water intake manifold

Spray bars: “Vari Spray” nozzles

Spray nozzle quantity: 3No. Spray Bars top deck. 5No. middle and bottom decks

Discharge Chutes: Hardox lined discharge chutes

Power: 2No. 7.6kW vibratory motors. 400V; 50Hz; IE3; Protection: IP54

Motor base: heavy duty pipe construction with 25mm machined motor interface

Feed Tray: Hardox lined feed tray

Underflow Trough: complete including rubber lining and level adjustment

Base: Skid mounted base

Water requirement: 130m³/h approx. 2.5 bar

Bruce TV10 Aggregate Rinsing Screen

No. of Decks: 3 (triple deck)

Screen Size: 4880mm x 1500mm (16' x 5')

Screening Area Per Deck: 7.3m²

Pitch: 10° decline

Mounts: Mounted on Compression Springs

Screen Media: Rubber mats provided as standard. Other media available upon request.

Tension: Side tensioned as standard

Chute: Hinged Chute for ease of maintenance and media replacement.

Water Feed: Water intake manifold

Spray Bars: Spray bars independent from screen. 6No. Spray Bars top deck. 7No. middle and bottom decks.

Spray Nozzles: “Vari Spray” nozzles. Independently controlled

Discharge Chutes: Hardox lined discharge chutes

Discharge Tray: Hardox lined

Power: 2No. 7.0kW motors out of balance vibratory motors

Feed Tray: Hardox lined

Sump: Rubber lined

Base: Skid mounted base

Construction: Fabricated folded construction in 8mm Mild Steel.

Motor Base: heavy duty pipe construction with 25mm machined motor interface

Water Usage: 200m³/h (approx. dependant on nozzle qty), 2.5 bar

OPTIONS

- Inlet and discharge chutes tailored to requirements
- Can be easily integrated to suit or compliment an existing system
- Washing Screen integrated into a complete modular wash plant solution. For further information please see specifications for: **BWR - TL & BW POD** (see *image below of BWR – TL*)



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PLEASE NOTE ALL MEASUREMENTS MAY NOT BE EXACT AND ARE SUBJECT TO CHANGE

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