

> Specification:

BRUCE LOGWASHER RANGE



BRUCE
MATERIALS PROCESSING SOLUTIONS

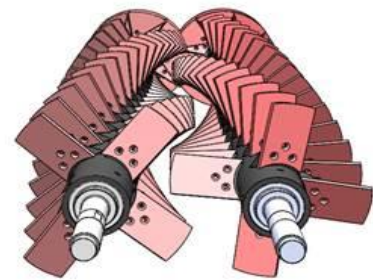
intelligent
washing solutions

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

The **BRUCE BWTL** range of Logwashers are ideal for cleaning and scrubbing materials including aggregate, crushed stone, clay and recycling materials.

FEATURES & BENEFITS:

- Controlled-input water flow valves
- Interchangeable **Hardox** Wearparts as standard
- Adjustable water discharge plates
- Low running costs due to high specification components
- One piece shaft configuration for extended shaft life
- All Bearings & Drives externally located to prohibit threat from water or product.
- Intermeshing of Twin Log. The paddles overlap each other as standard to give maximum attrition
- Log spiral formation. Paddles located at 90° in a spiral counter rotating formation enables continuous contact on material
- A Bruce Logwasher shaft is smaller in diameter with longer paddles. This gives a more effective scrub as an increased paddle surface area is in contact with the product. Furthermore, this design feature minimises wear on the shafts
- Formation of a naturally created layer of feed material in the hull increases wear resistance (material on material wear)
- Overflow weir/removal of contaminants: Bruce machine is centrally fed and also overflows across the complete width of the rear with an externally adjustable paddle to help tweak water overflow.



BWTL - 6 TWIN SHAFT LOGWASHER

Max particle size: 80mm

Manufactured from: 8mm S275 steel

Dimensions: **L** = 8.2m (total) **B** = 1.65m (tank) **H** = 3.1m (total)

Inclination: 11° incline

Shaft Length: 6.0m each. Synchronized Counter-rotating shafts. Single piece configuration

Paddles & Flights: interchangeable 20mm HARDOX

Each Shaft: 67 Paddles / 2 Flights (16 Segments)

Outside Diameter: 800ø Inc Flights & Paddles

Power: 2 x 22 kW / 2 x 1:1 Planetary gear motors. 400V; 50Hz; IE3; Protection: IP54. Variable speed drive

Water Discharge: Sockets at rear and side door

Spray Bars: 8No. 1" spray pipes with individual valves

Maintenance & Access: working platform with handrail on drive head c/w ladder. Sealed side access door.

Cover: Polyurethane re-grid flooring on cover

Drive and bearing: Mounted externally

Seal: Compression plate plus heavy-duty rubber diaphragm seal with Stainless Steel sleeve (shaft tail end)

Capacity: max 150tph

Water feed: controlled input valve.

Manifold: 4" flanged

Water requirement: 120m³/hour approx. 2.5 Bar

BWTL – C COMPACT TWIN SHAFT LOGWASHER

Max particle size: 80mm

Manufactured from: 8mm S275 steel

Dimensions: L = 5000 B = 1650 H = 2800 mm

Inclination: 15° incline

Shaft Length: 4.7m Synchronized Counter-rotating shafts. Single piece configuration

Access: Fully sealed Access door on side

Cover: Polyurethane re-grid flooring on cover

Water feed: Controlled input valve. 8No. spray pipes with individual 1" valves

Manifold: 4" flanged

Paddles & Flights: Interchangeable 20mm thick Hardox flights and paddles

Each Shaft: 50 Paddles / 2 Flights (16 Segments)

Outside Diameter: 800ø Inc Flights & Paddles

Power: 2 x 22 kW / 2 x 1:1 Planetary gear motors. 400V; 50Hz; IE3; Protection: IP54. Variable speed drive

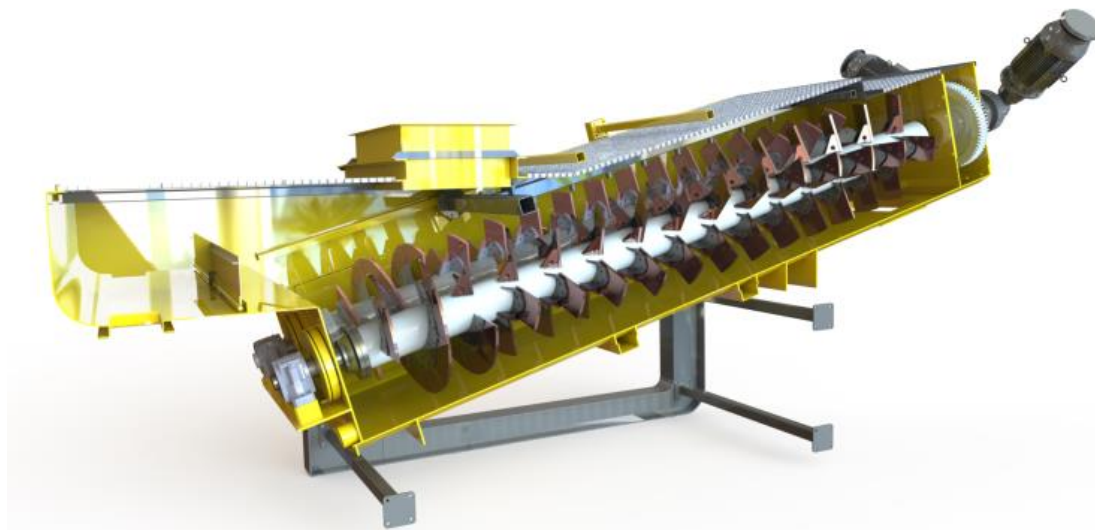
Drives & Bearings: mounted externally

Seal: Compression plate plus heavy duty rubber diaphragm seal with Stainless Steel sleeve (shaft tail end)

Capacity: max 100tph

Access & maintenance: working platform with handrail on drive head c/w ladder. Maintenance platform above the machine with access steps

Water requirement: 80 - 100m³/h approx. 2.5 bar



OPTIONS

- Inlet and discharge chutes tailored to requirements
- Can be easily integrated to suit or compliment an existing system
- Logwasher is also 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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WEARPARTS

