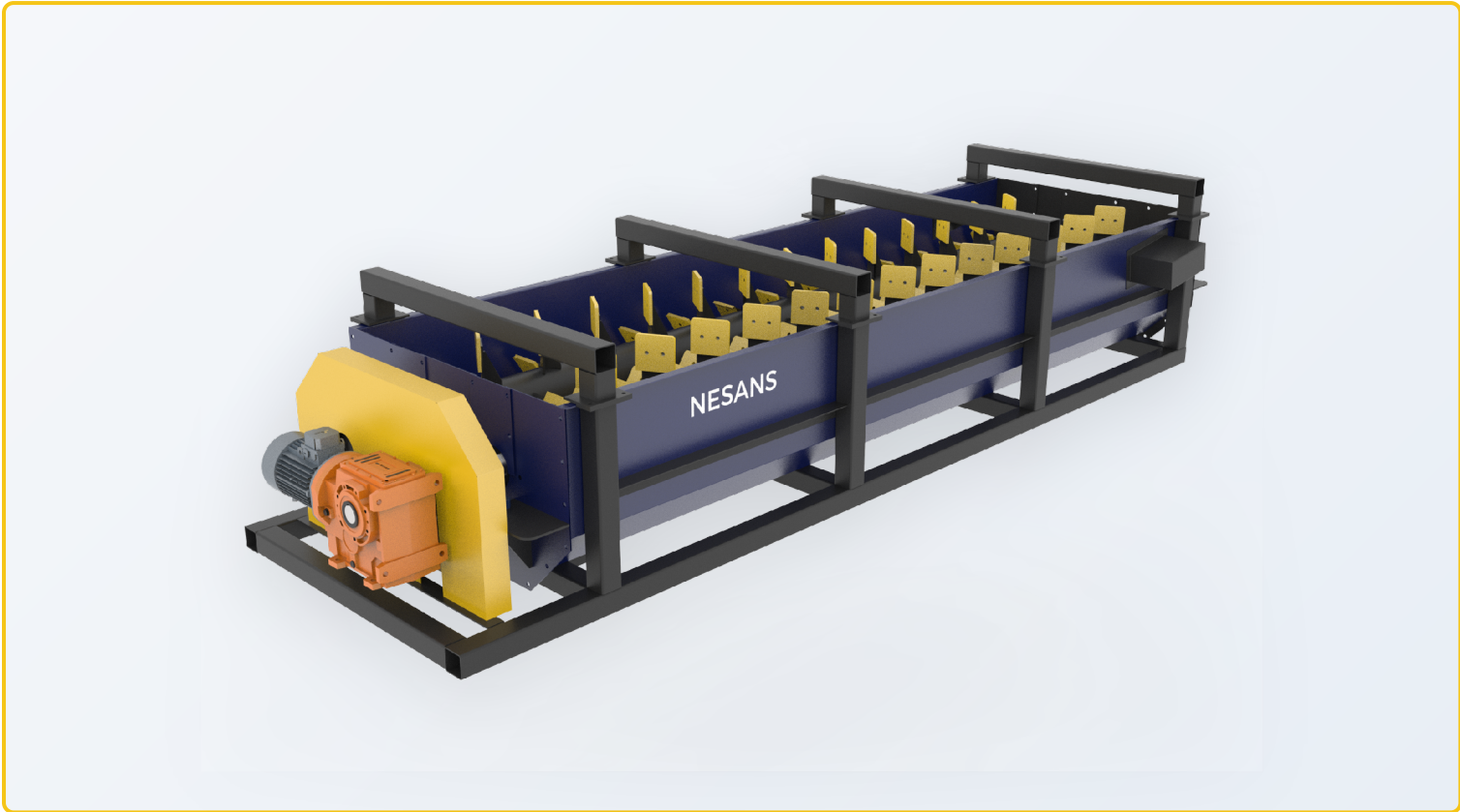


LOG WASHER

TWIN SHAFT

HEAVY DUTY SCRUBBING



LW SERIES

LOG WASHER

Twin Shaft Paddle | High-Intensity Scrubbing | Clay Removal

The LW Series Log Washer is a heavy-duty twin shaft scrubbing machine designed for aggressive washing of aggregates contaminated with tough, plastic clay, and other deleterious materials. Twin counter-rotating shafts with massive paddles create intense rock-on-rock scrubbing action to break down and remove stubborn clay coatings, delivering clean, high-quality aggregate for demanding applications.

**Up to 400 TPH**  
PROCESSING CAPACITY

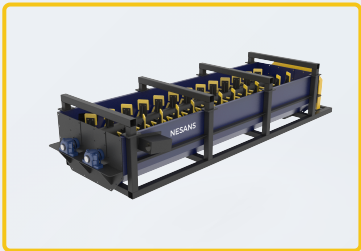
**150mm**  
MAX FEED SIZE


**0-12°**  
ADJUSTABLE SLOPE


**Twin Shaft**  
COUNTER-ROTATING DESIGN


WORKING PRINCIPLE


The Log Washer operates on the principle of aggressive mechanical scrubbing combined with hydraulic action. Material enters at the low end of the inclined trough where twin counter-rotating shafts equipped with massive paddles create intense rock-on-rock contact. As material moves up the incline, the paddles continuously tumble and scrub the aggregate, breaking down clay bonds and releasing contaminants. Clean water introduced at the discharge end flows counter-current to the material, carrying away liberated fines and clay particles through the overflow weir. The adjustable slope (0-12°) controls retention time - steeper angles for heavily contaminated feed, lower angles for maximum throughput. This combination of mechanical scrubbing and counter-current washing delivers thoroughly cleaned aggregate ready for downstream processing.





 Removes tough plastic clay that other washers cannot handle

 Produces clean, specification-grade aggregate

 Adjustable slope for varying feed conditions

 Heavy-duty construction for 24/7 operation

 Low maintenance with bolt-on replaceable paddles

 Reduces downstream processing costs

FEATURES & ADVANTAGES



Twin Shaft Paddles

Counter-rotating shafts with massive AR steel paddles create maximum rock-on-rock scrubbing action



Heavy Duty Gearbox

Oil bath lubricated gear reduction with dual output for reliable, long-lasting performance



AR Steel Paddles

Bolt-on replaceable high-Brinell abrasion resistant paddles with wrap-around design



Spherical Bearings

Heavy duty spherical roller pillow block bearings with grease lubrication for extended life

APPLICATIONS:

Aggregates

Gravel

Limestone

Hard Rock Ore

Phosphate

Iron Ore

Clay Removal

# LOG WASHER - SPECIFICATIONS

LW SERIES

Model	Diameter	Length	Motor Power	Max Feed	Water Flow	Capacity
LW3016	762 mm (30")	4.9 m (16')	37 kW (50 HP)	75 mm	200 m <sup>3</sup> /hr	30-50 TPH
LW3620	914 mm (36")	6.1 m (20')	45 kW (60 HP)	100 mm	250 m <sup>3</sup> /hr	50-75 TPH
LW3625	914 mm (36")	7.6 m (25')	55 kW (75 HP)	100 mm	300 m <sup>3</sup> /hr	75-100 TPH
LW3630	914 mm (36")	9.1 m (30')	75 kW (100 HP)	100 mm	400 m <sup>3</sup> /hr	100-150 TPH
LW4430	1118 mm (44")	9.1 m (30')	110 kW (150 HP)	125 mm	550 m <sup>3</sup> /hr	150-250 TPH
LW4635	1168 mm (46")	10.7 m (35')	150 kW (200 HP)	150 mm	800 m <sup>3</sup> /hr	250-400 TPH

## STANDARD FEATURES

- Twin counter-rotating shafts with AR steel paddles
- Heavy-duty fabricated steel trough
- Adjustable slope mechanism (0-12°)
- Oil bath lubricated gear reducer
- Spherical roller pillow block bearings
- Counter-current water flow system
- Overflow weir for fines discharge
- Bolt-on replaceable paddle tips

## OPTIONAL FEATURES

- VFD for variable speed control
- Spray bar system for additional washing
- Wear-resistant liners (AR400/AR500)
- Extended length configurations
- Dual motor drive system
- Automatic lubrication system
- Vibration monitoring sensors
- Temperature monitoring for bearings

## MODEL NAMING CONVENTION

# LW 36 25

 SERIES  
Log Washer

 DIAMETER  
36 inches

 LENGTH  
25 feet

**Note:** Specifications are subject to change without prior notice. Actual capacity depends on feed material characteristics, moisture content, clay plasticity, and desired product quality. Custom configurations available upon request. Contact our engineering team for application-specific recommendations.

## TYPICAL LOG WASHER WASHING CIRCUIT

