

# Propel Pro Wash Specification Sheet

The **Propel Pro Wash Washing System** is engineered for high-quality sand production, efficient fines removal, and reliable dewatering performance. Designed for quarrying, mining, recycling, and aggregate applications, the ProWash system delivers consistent, clean end products while reducing water usage and lowering operational costs.

Built with rugged components and advanced washing technology, it ensures maximum uptime and long-term durability—making it an ideal solution for demanding material processing environments.

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## Key Features

### Integrated Washing & Dewatering

A complete washing solution that combines washing, rinsing, and dewatering in a compact, efficient system. Removes silt, clay, and unwanted fines while retaining valuable sand.

### Superior Sand Recovery

High-efficiency hydrocyclones ensure precise classification, maximum fines recovery, and improved sand quality.

### Adjustable Moisture Control

Advanced dewaterer design delivers a cleaner, drier final product with low moisture percentages—ideal for stockpiling, transport, and ready-mix applications.

### Energy-Efficient Operation

Optimised power consumption and reduced wear components help lower operating costs and extend equipment life.

## Heavy-Duty Construction

Built with robust steel frames, corrosion-resistant components, and wear liners in critical areas for long-term performance in harsh environments.

## User-Friendly Maintenance

Easy access to service points, minimal moving parts, and simple operation reduce downtime and maintenance requirements.

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## Typical Applications

- Manufactured sand (M-sand) production
  - Quarry dust washing
  - Crushed stone sand
  - Natural sand processing
  - Construction & demolition recycling
  - Mining and mineral washing operations
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## Performance Benefits

- Produces consistent, specification-grade sand
- Removes impurities and unwanted fines
- Achieves higher recovery rates compared to traditional sand washers
- Reduces water demand through efficient recirculation
- Delivers a cleaner, more marketable end product
- Compact footprint suitable for mobile or fixed installations

## System Components

- High-efficiency hydrocyclones
  - Dewatering screen with adjustable throw
  - Feed slurry pump
  - Integrated sump tank and piping
  - Modular steel support frame
  - Optional conveyors and water management add-ons
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## Why Choose the Propel Pro Wash?

Propel is recognized worldwide for engineering reliable, high-performance washing equipment. The ProWash system combines advanced technology with tough build quality—ensuring superior sand quality, lower operational costs, and long-term dependability.

Whether you're upgrading an existing plant or building a new setup, ProWash provides the flexibility, capacity, and efficiency needed to boost your production.