

PADDLE WASHER

The Mavitec Paddle Washer is the industry benchmark for packaging cleaning. It produces exceptionally clean plastics, maximizes organic recovery, and drives down disposal costs.

- Reduce packaging weight up to 70%
- Save on packaging disposal costs
- High-speed cleaning through friction technology
- Low liquid consumption
- Easy to integrate into existing depackaging systems
- Fast and easy access for inspection and cleaning
- Low maintenance
- Fixed shaft execution
- Variable screen sizes available

Capacity: up to 12m³ per hour

EXTREME
CLEAN
PLASTIC
OUTPUT



Designed for maximum cleaning performance

The Paddle Washer is designed to clean packaging by removing residual organic material and significantly reducing its weight.

Through high-speed friction, the machine delivers a clean and dry packaging fraction, improving downstream processing.

Save on packaging disposal costs and upgrade your packaging for even further recycling

Paddle Washer process flow



What is inside

A robust and efficient washing solution for packaging and organic recovery. The Paddle Washer is designed as a compact, heavy-duty unit, integrating all key components into one reliable system.

- Heavy-duty paddle shaft with optimized paddle configuration
- Integrated replaceable screens section for organic separation
- Liquid injection system for enhanced washing performance
- Discharge section for clean and dry packaging
- Frame-mounted unit for easy integration into depackaging lines



“The Paddle Washer operates reliably and achieves significant packaging weight reduction”
Carlos Diaz - Plant Operator

Machine highlights

The machine is equipped with interchangeable screens (6, 8, 10 and 12 mm), which can be selected based on the input material and test results. A high-speed shaft with fixed paddles ensures effective friction and optimal cleaning performance.

For easy maintenance, the machine features side doors with gas spring opening. The machine can be supplied in carbon steel with galvanized frame or a full stainless steel version.

Flexible Integration

The Paddle Washer offers maximum flexibility in installation and operation. It can be seamlessly integrated into existing depackaging lines or operated as a standalone unit, depending on the customer's requirements. A control panel can be supplied, or we can connect to your existing PLC system

To ensure smooth integration, various optional components can be supplied, connecting chutes or a discharge conveyor also adapted to existing systems.

Spare parts or additional service contracts can also be included to support long-term operation and maintenance.



Test before you invest, proven on your material

Inside the machine, friction between packaging and organic material is created by a fast-rotating shaft with paddles. This process effectively cleans the packaging while minimizing water usage. During this process liquid can be injected on several positions on top of the machine. Low liquid consumption, even at full capacity.

The output streams

- Organic fraction: collected and reused in pre-treatment or sent to storage tanks to be mixed with organic fractions
- Clean plastic fraction: discharged via a screw conveyor at the end of the machine into clients storage bay or (press) container.

To remove uncertainty, the Paddle Washer can be rented as a dedicated test unit. Operators can evaluate performance on-site and gain confidence before committing to a full-scale installation.

Paddle Washer rental skid unit

For on-site trials, a full plug-and-play test unit is available. This setup includes a hopper, discharge screw, hoses and connections, and a control panel, allowing for quick installation and operation. Customers can test their own material under real conditions for several days, up to a maximum of two weeks, to validate performance.

The Mobile Paddle Washer is designed for flexibility and ease of use. This plug & play solution can be easily transported to various locations, making it ideal for on-the-go packaging washing needs.

Whether you need to process organic waste at different sites or want to clean packaging in remote areas, the mobile Paddle Washer provides a reliable and efficient solution. It delivers a clean and dry packaging output, while achieving up to 60% weight reduction. The organic fraction is collected at the bottom of the machine and can be pumped to any desired location.

Our Mavitec crane has the capability to maneuver the unit into nearly any desired location, ensuring maximum flexibility during installation and operation.

Want to see more? See it in action

Discover detailed test results, customer applications and technical information on our website.

You can also scan the QR code to watch real-life test and installation videos on the Mavitec YouTube channel, showing the Paddle Washer operating on real material under real plant conditions.

From on-site testing to full-scale operation, proven performance you can see for yourself.

For site visits contact sales at sales@mavitec.com

Scan the QR code to watch the videos, request a commercial offer or ask for more information.



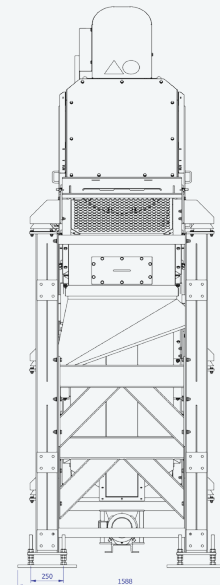
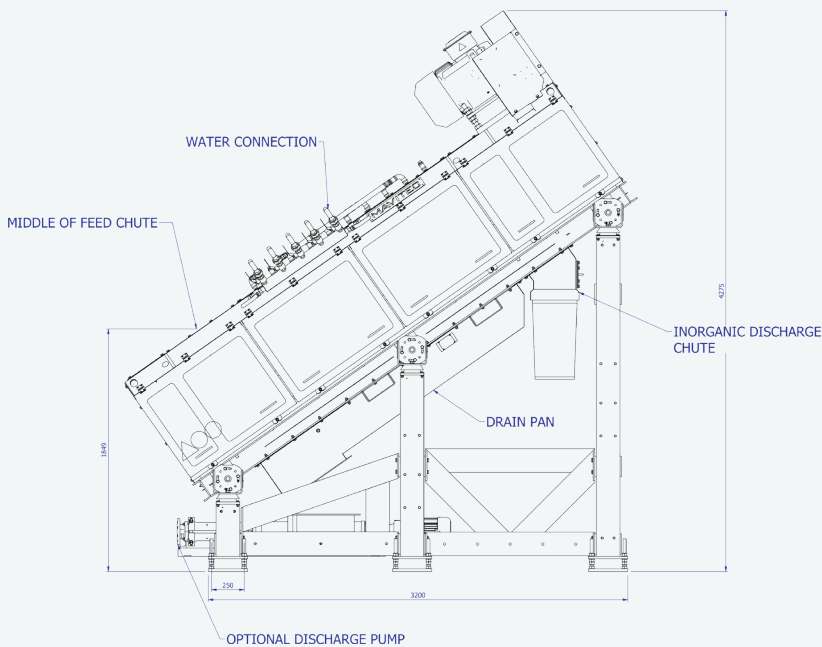
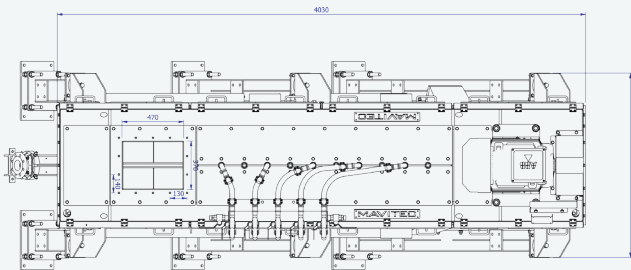
Section:
Washing

PADDLE WASHER



Output: clean & dry packaging

Model	Capacity m ³ /hr	Power kW	Weight kg	Length (A) mm	Width (B) mm	Height (C) mm
PW650	12	37	3500	3899	1460	4191



Features

- Reduce packaging weight up to 70%
- Save on packaging disposal costs
- High-speed cleaning through friction technology
- Easy to integrate into existing depackaging systems
- Fast and easy access for inspection and cleaning
- Low maintenance
- Fixed shaft execution
- Variable screen sizes available
- Low liquid consumption
- Capacity: up to 12m³ per hour

Due to ongoing product improvements, data shown here is subject to change without notice.
Contact Mavitec BV for latest specifications.



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