



MODEL:  
WW-70-Auto



Manufacturing Mass Finishing Solutions

# Wastewater Treatment

## Overview

Increase efficiencies and cost savings while reducing environmental impact with the CLM Vibetech, Inc. WW-70 automatic or manual wastewater treatment systems. Intelligently engineered, professionally designed and robustly constructed, our systems use flocculant combined with filtration to clarify effluent (wastewater) for re-use in standard vibratory finishing processes. This advanced solution removes contaminants and suspended solids from wastewater and returns it to the process, which reduces operational costs by minimizing waste, significantly reducing freshwater consumption and improving product quality and profits.

Treating wastewater from production finishing machines and returning the treated water to the process, creates a closed loop system and minimizes the need for effluent disposal. Operation is simple and maintenance is made easy with key features designed to greatly reduce down time.

These economical machines are constructed of stainless steel with automatic or manual options for controlling a three-tank system for clarifying mass finishing wastewater in 70-gallon batches. Effluent is introduced to the wastewater tank where it is agitated by a pump to keep solids from settling. Once the tank is full, wastewater is transferred to the treatment tank where the mixer motor blends powdered flocculant with the wastewater. Once the mixing is complete, the treatment tank is allowed to settle and then one valve opens to remove the clarified water from the top of the treatment tank. This water passes through the clean filter paper quickly and into the clean water tank below. Next, a second valve opens to remove the used flocculant from the bottom of the treatment tank, which falls onto the filter paper and separates from any remaining clean water. The filter paper is now advanced to present clean paper for the next process. The used flocculant slowly firms up on the conveyor bed and eventually deposits into the waste bin.



## Advantages

- Waste reduction
- Improved product quality
- Reduced water consumption
- Optimized operational efficiency
- Increased cost savings
- Environmental sustainability

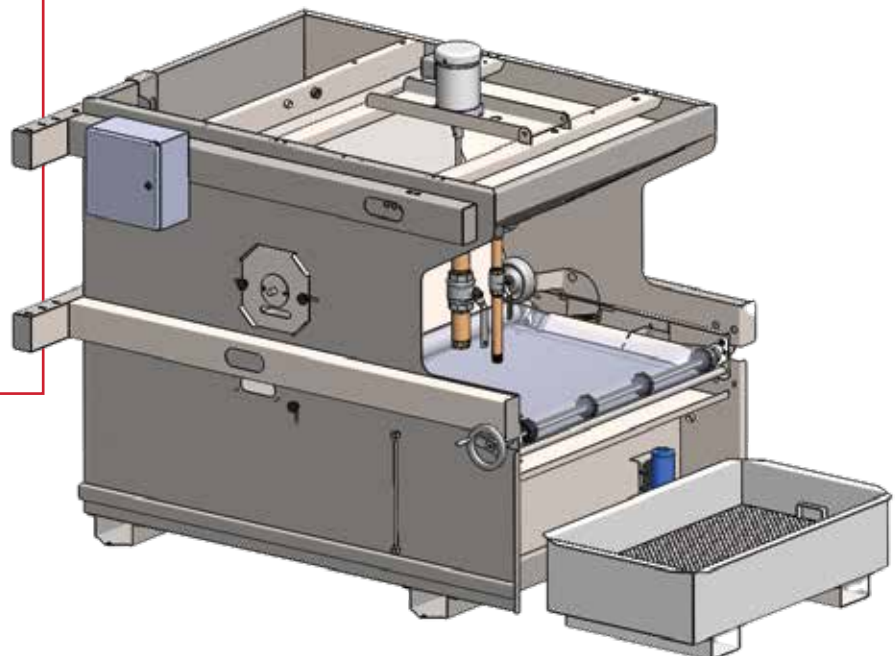
## Key Features (Manual and Auto)


- Stainless steel construction provides longevity and strength to the equipment
- Large capacity tanks (see specifications)
- Pump for agitation and transfer in wastewater tank
- Easy access bracket for pumps
- Float switch protection of pumps
- Mixer motor in treatment tank
- Two treatment tank valves for more effective operation
- Drain ports for cleaning
- Pump for clean water transfer
- Wide bed conveyor for filter paper
- Quick removable design for filter paper roll
- Waste bin for used filter paper
- Control panel
- Base allowing for forklift access and anchoring

## Results

Wastewater treatment systems reduce operational costs and significantly reduce freshwater consumption. Additionally, they minimize waste and provide cost savings for industries around the world. Their ability to remove solids from wastewater and return it to the process, makes them a valuable asset for businesses looking for improved part quality, production efficiency and environmental sustainability.

CLM Vibetech aims to make your processes lean, while meeting your sustainability requirements. Contact us today to learn more about how the CLM Vibetech WW-70 can provide an eco-friendly, more cost-effective solution for your company.



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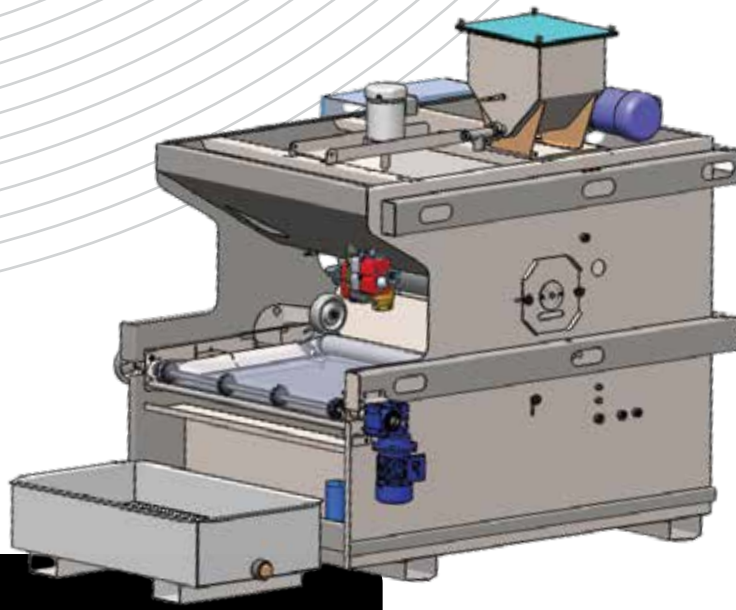


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### Advanced Features (Auto)

- Additional float switches for monitoring of water in tanks allow for automatic control
- Flocculant hopper with level sensor automatically feeds the correct amount of flocculant to process
- Two valves in treatment tank are upgraded to electric rotary valves for automatic control
- Gearmotor replaces hand lever on filter conveyor for automatic control
- Allen-Bradley PLC and HMI provide an interface for operator and automatic process control



### Specifications

ITEM	SPECIFICATIONS	WW-70 MANUAL	WW-70 AUTO
Waste Water Tank Capacity	220 Gallons	✓	✓
Treatment Tank Capacity	70 Gallons	✓	✓
Clean Water Tank Capacity	140 Gallons	✓	✓
Floc Auto Feed Hopper Capacity	1.5 Cu. Ft.		✓
Waste Water Pump	¼ HP, 1000 GPH/16.7 GPM	✓	✓
Clean Water Pump	3.0 GPM @ 40 PSI	✓	✓
Mixer Motor	½ HP	✓	✓
Filter Paper Roll	2-3" Core Diameter x 40" Wide	✓	✓
Floor Space Required		103"D x 62.5"W x 69.5"H (without options)	103"D x 73"W x 79"H (with flock hopper)

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