

**FOG &  
ORGANICS  
PROCESSING**



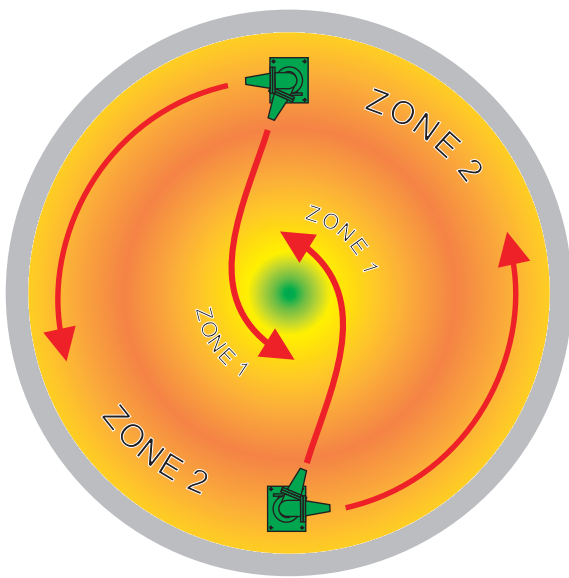




# DON'T WASTE YOUR MONEY

... on mixing systems that don't back their products. Vaughan Company introduced the Rotamix System in 2001 and has thousands of systems installed worldwide. Our "after the sale" support is unmatched in the industry.

In Rotamix as well as other Vaughan solids reduction systems, the Chopper Pump is the core of the system, providing the means to break down and transfer organic waste without the use of grinders, macerators or hammer mills. Our systems are built with the same level of quality and dependability that have been the trademark of Vaughan Company since 1960.



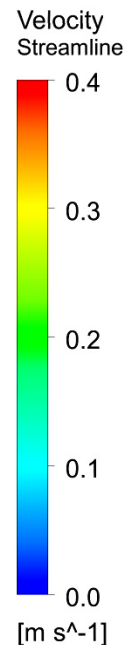
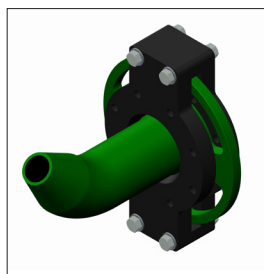
## MULTI-ZONE MIXING

- Dual Zone Mixing in cylindrical tanks
- NO moving parts in the tank
- Breakdown of solids enhances digestion
- Mixing solutions for all geometries and sizes
- Reduced Energy Alternatives for power savings

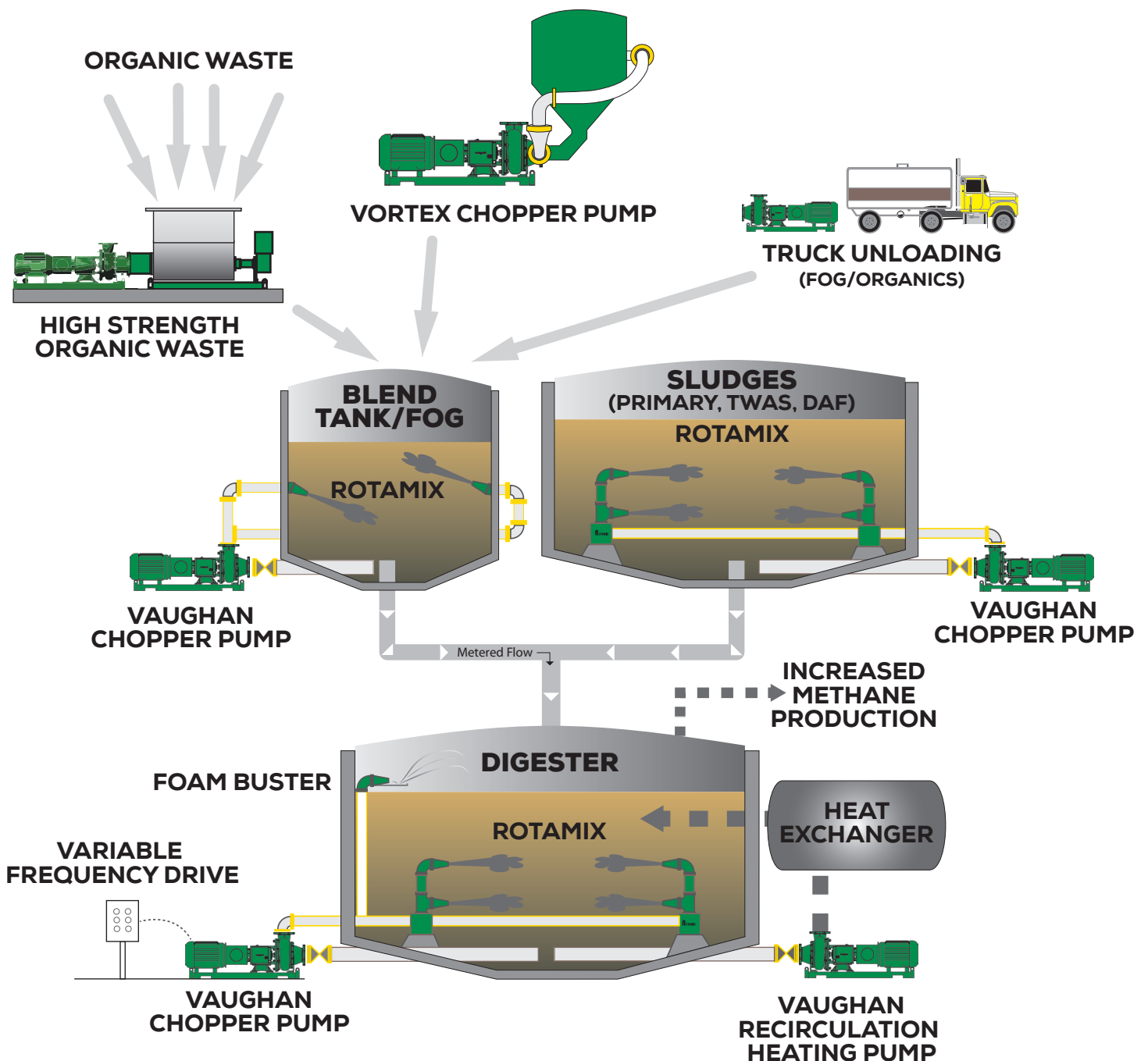
## SMALL TANK MIXING

(FOG, HIGH-STRENGTH WASTE, BLEND TANKS)

- Creates homogenous mixture of solids
- Externally Mounted Mixing Assemblies
- NO internal piping
- Composite assembly for corrosive and abrasive applications
- Adjustable assembly (optional) provides operational flexibility



# PUMPS, SYSTEMS & ROTAMIX FOR FOG AND HIGH STRENGTH WASTE





# **DON'T WASTE YOUR WASTE**

As energy costs rise and landfill restrictions increase, organics including Fats, Oils and Greases (FOG) and High Strength Food Wastes (HSW) are being processed to produce usable energy alternatives. These renewable energy resources will continue to play a vital role in reducing carbon emissions while creating effective alternatives to traditional energy resources. Vaughan Rotamix and Small Tank Mixing Systems meet the needs of this ever-growing market.

Since 1960, Vaughan has manufactured solids handling Chopper Pumps which have stood the test of time in the harshest of environments. Our highest standards of quality continue with mixing systems and solids reduction equipment using the Vaughan Chopper Pump as the core of these systems.

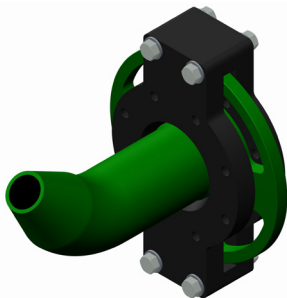
## **THE CHOPPER PUMP**

- The upper cutter keeps the mechanical seal area clean
- The chopped solids are easily pumped through the system without clogging
- Solids are chopped by the sharpened edges of the impeller cutting against the cutter bar
- The disintegrator tool or external cutter (option) breaks up large solids before entering the pump
- Six cutting features throughout the pump ensure reliability in the toughest applications

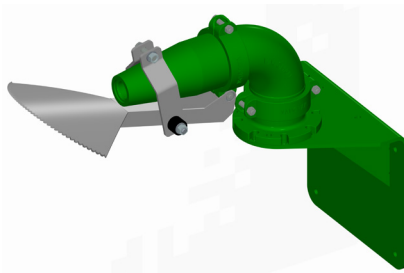


## **THE MIXING ASSEMBLIES**

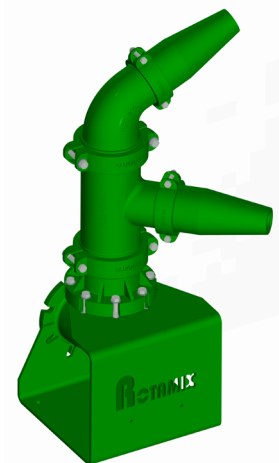
- Sized for each application
- Multiple configurations to fit the applications
- Various materials of construction for corrosion & abrasion resistance - glass lined ductile iron, stainless steel, and composites
- Computer modeled to provide even distribution of solids



**ADJUSTABLE COMPOSITE ASSEMBLY**



**FOAM SUPPRESSION ASSEMBLY**



**DOUBLE NOZZLE ASSEMBLY**

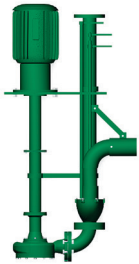




# Chopper

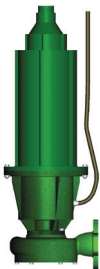
## DON'T WASTE YOUR TIME

**... with cutter or grinder pumps that claim to be equal to Vaughan but will not guarantee their performance.** Vaughan Chopper Pumps are manufactured for the worst pumping conditions possible. Oversized shaft and bearings with multiple cutting features are built into each pump to ensure reliability and guarantee performance. The customer will no longer be unclogging their “non-clog” pump.



### RECIRCULATOR OPTIONS

- Vaughan Wet Well and Submersible Chopper Pumps
- Mix, chop and transfer with one piece of equipment
- Ideal for mixing and re-suspending floating or settled solids



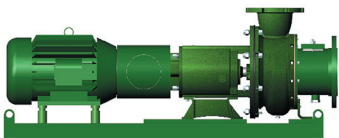
### ELECTRIC SUBMERSIBLE

- Separate seal/bearing housing isolates motor from pumpage
- Retrofits to most guide rail systems
- Ideal for deep sumps
- Eliminates visible motor and piping
- Recirculator options available



### VERTICAL DRY PIT

- Used primarily in dry well applications where floor space is limited
- Vaughan's proprietary mechanical seal design



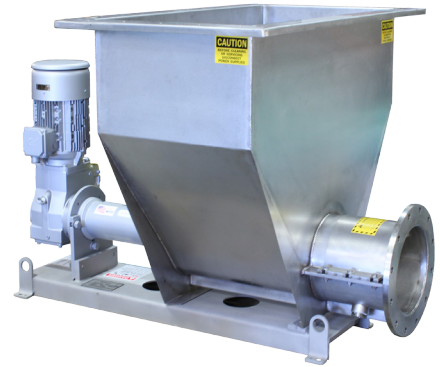
### HORIZONTAL

- Vaughan's proprietary mechanical seal design
- Available in direct or belt drive
- Adjustable back pull-out design

# SPECIALTY PRODUCTS FOR ORGANIC WASTE

## HOPPER CHOPPER

The Vaughan Hopper Chopper consists of a stainless steel Vaughan Chopper Pump connected to a hopper with an auger system. The auger is designed to push the product into the chopper pump where it is chopped, slurried and transferred. The Vaughan Hopper Chopper eliminates the need for more expensive, higher-maintenance equipment in tomato and other food processing applications. Hopper Choppers are available with various pump sizes and hopper capacities.



## VORTEX CHOPPER

The Vaughan Vortex Chopper consists of a cylindrical receiving vessel with conical bottom connected to the suction of a Vaughan Chopper Pump. The system creates a vortex in the receiving vessel to draw any floating material down into the pump to assure a homogeneous slurry. The pump discharges through Vaughan's exclusive 3-way valve back to the receiving vessel for mixing and particle size reduction. Once the material in the receiving vessel has been thoroughly mixed, the 3-way valve can be positioned to pump the slurry out. A variety of material options are available. The Vortex Chopper has been used in fish processing for fertilizer, chicken processing for protein recovery, food waste slurrying for bio-fuels systems, waste processing and various other recycling applications.



## PRODUCE DISPOSAL SYSTEM (PDS)

Vaughan's Produce Disposal System is designed for complete processing of waste produce from supermarkets, restaurants, schools and other public venues. With the addition of a little water, the waste is chopped into a slurry suitable for land application, bio-gas generation or other disposal means. Typical units can handle 5-10 tons of waste produce per day.



LOCAL REPRESENTATIVE

 **Vaughan**  
Unmatched Reliability

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