



# Chopper Hopper

## Solids Reduction and Transfer Pumping

NOV

# Ensuring waste is never wasted.

The Chopper Hopper is a powerful and aggressive grinder pump that combines solids reduction and transfer pumping into one efficient unit. It homogenizes objects like whole fruits and vegetables into a pump-able puree or mash. Up to three stages of solids reduction are available for coarse, medium, and fine particle size.

## Typical Applications

- Food Processing
- Waste handling for disposal
- Rework or recovery of product
- Rendering plants
- Slaughter plants - process internal organs
- Orange peels, juicers
- Waste potatoes
- Meat Products

## Features and Benefits

### Ease of Processing

A grinding and pumping operation in a single, compact operation with fast process times due to a large surge capacity hopper and high flow rates.

### 3 Stage Solids Reduction

Available for coarse, medium, and fine particle size. Drastic size reduction occurs in the first stage where fierce cutting blades grab, tear, and shred solids, as big as whole watermelons, down to a particle size of less than 1" in a single pass. Second and third stage grinding provides the desired solid size and texture needed.

### Multiple Cutter Designs

Angled cutters for grabbing or tearing large size objects with additional cutters located in the extension tube for further solids reduction. The design allows for optional fine grind conditioning through homogenizing units.

### Materials of Construction

Available in carbon, stainless steel or specialized materials of construction.

### Gear Joint Design

The design of this progressing cavity pump allows for low friction of the gear joint design, leading to less wear and better overall performance.

### Easy Disassembly

Cutter shafts and pump internals are made to be easily disassembled, reducing downtime.

### EZstrip™ Progressing Cavity Pump

Progressing Cavity Pump now transfers pumpable slurry onward for further processing.

Grinder material is macerated into a homogeneous slurry.

### Feed Hopper

Objects are dropped into the hopper and are then sent through the re-breaker.

### Pre-breaker

Pre-cutters break up the solids, including organic waste such as large produce and hard materials like stones and seeds.

### Screw Conveyor

Objects are fed into the conveyor and mechanically transferred into the grinder.

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**Corporate Headquarters**  
7909 Parkwood Circle Drive  
Houston, Texas 77036  
USA

**Corporate Headquarters**  
10353 Richmond Avenue  
1020 Everman Parkway  
Houston, Texas 77042  
USA

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