

# Chopper Hopper

## Solids Reduction and Transfer Pumping

# 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



SEQUENCE OF OPERATION

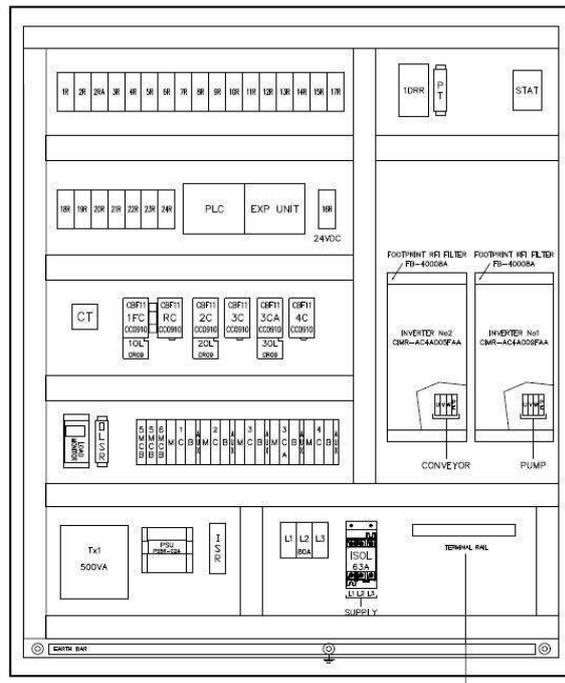
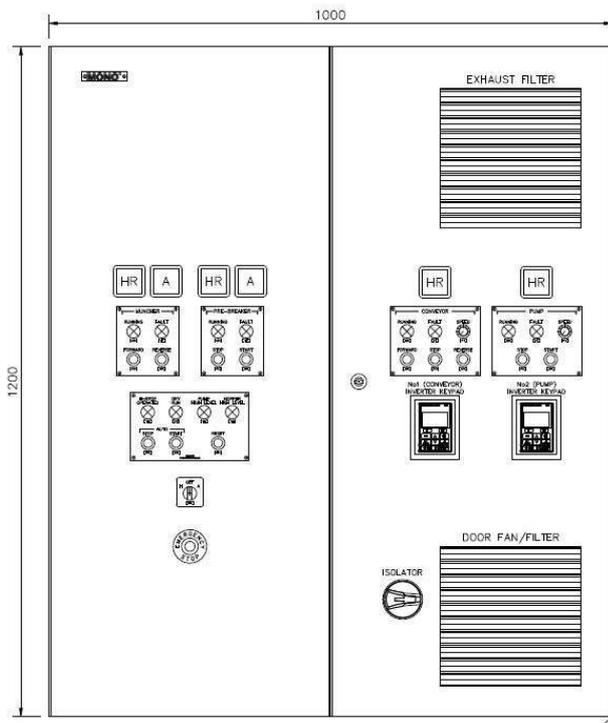
Control will be from the auto start/stop buttons in the sequence below:

- Muncher motor starts
- 30 second time delay
- Pre-breaker motor starts
- 2-minute time delay
- Conveyor motor starts
- 1-minute time delay
- Pump motor starts
- The Speed of the Conveyor motor can be adjusted by its speed potentiometer.
- The Speed of the Pump motor can be adjusted by its speed potentiometer.
- The Muncher will have the standard load monitor protection. The Pump will be inhibited if the Muncher reverses. All other motors will continue to run.
- All motors will stop if a Muncher trip condition occurs.
- The Pump will stop if its level sensor trips and will re-start when the level is acceptable. All other motors will continue to run.

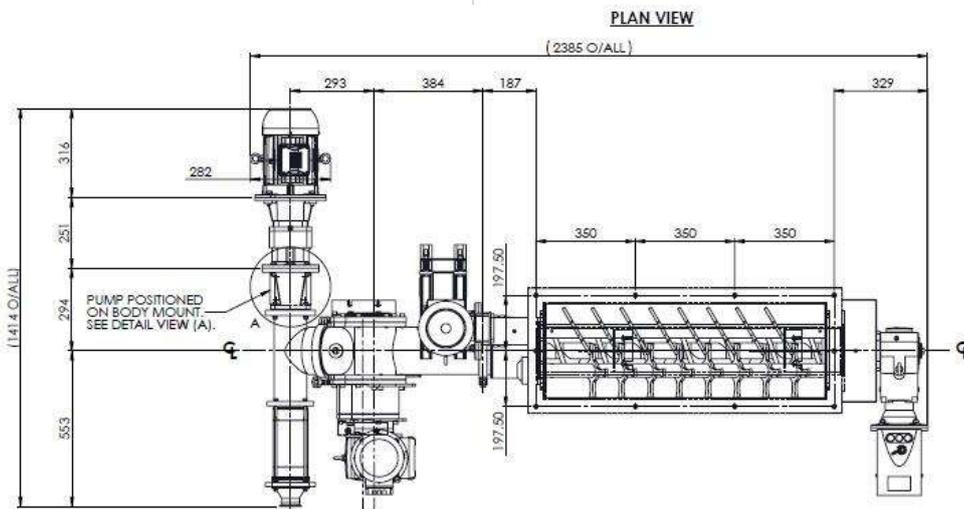
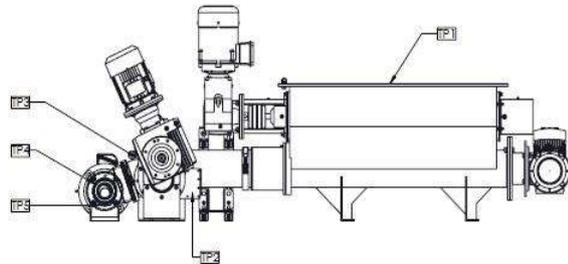
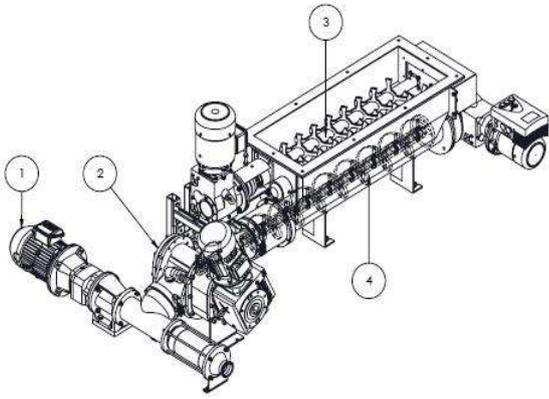
All motors will stop if a pump dry run condition occurs.



Features	Description	1	2	3	4	5	6	7	8	9	10	/	12	13	14	15
Range	Bulk Reduction System	B	R													
Design Mk No	2017			1												
Size Pump & TR	37m <sup>3</sup> /h @ 800 rpm				5											
Stages	Single stage					A										
Materials of Construction	CD Pump, CD Muncher, RR Stator						1									
Pre Breaker Cutter Design	SX Material, 4 Tooth, 10 Thk							1								
Muncher Cutter Design	LE Material, 7 Tooth, 5.5 Thk								C							
Drive Selection	2.2 PrBr, 0.55 Auger, 1.5 Munch, 1.1 Pump									1						
Conveyor & Trash Trap Option	Modular Industrial Conveyor & Flotation Separation										1					
	Modular Industrial Conveyor & Inspection Port										2					
/												/				
Variation	For special requirements contact NOV												A	1	2	3
Example:		B	R	1	5	A	1	1	C	1	1	/	A	1	2	3



ITEM	UNIT	POWER KW	SPEED RPM	CAPABILITY
1	PUMP	1.1	60 VARI	PRESSURE UP TO 5.0 BAR CAPACITY UP TO 2.0 M3/HR
2	GRINDER	1.5	69/45	FINAL PARTICLE 5.0MM AVERAGE
3	PREBREAKER	2.2	220	ABILITY TO HANDLE WHOLE FRUIT SUCH AS MELONS AND AVOCADO STONES
4	FEED CONVEYOR	0.55	70 VARI	PLASTIC SEGMENTED DESIGN
5	CONTROL PANEL	N/A	N/A	PLUG AND PLAY AUTO SEQUENCING
6	TRASH TRAP OPTION	N/A	N/A	PRIOR TO THE GRINDER ELEMENT FOR EASY REMOVAL OF TRASH MATERIAL





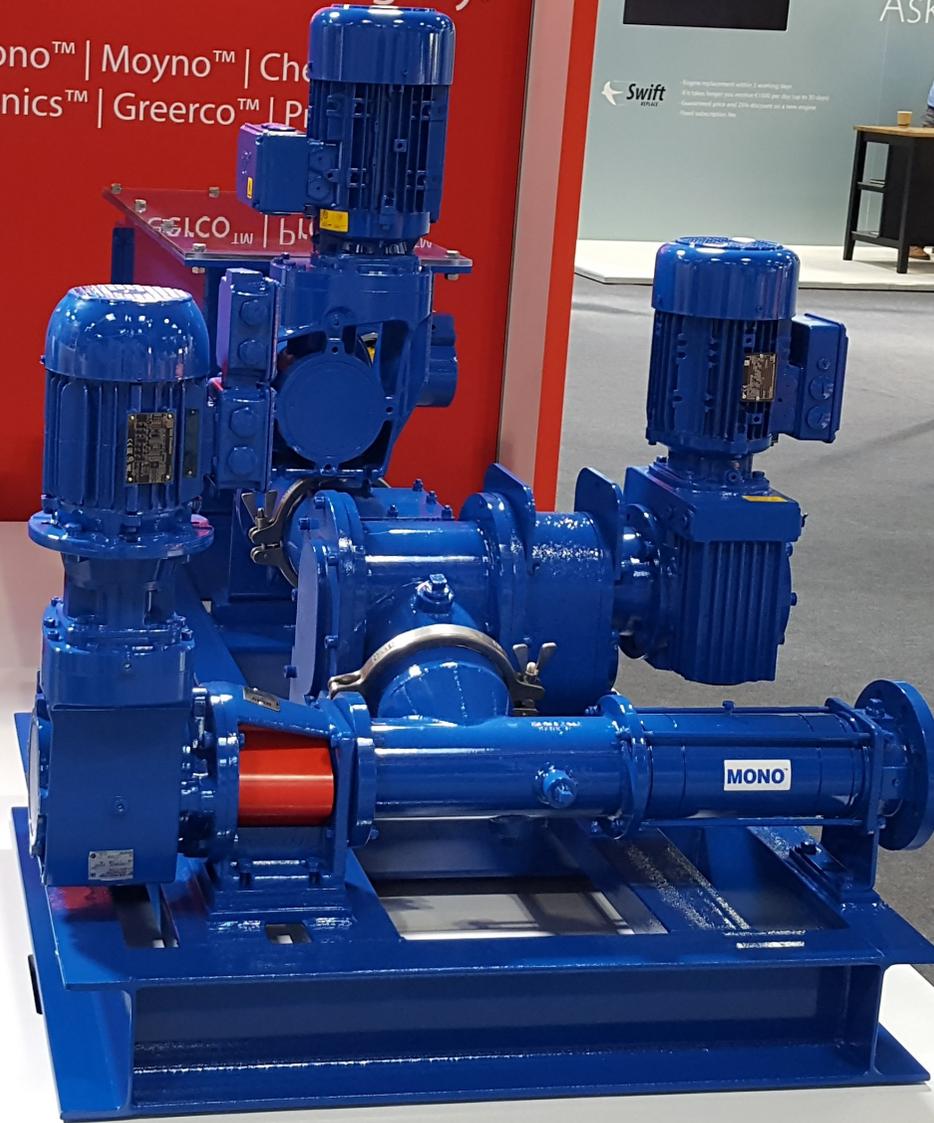
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Swift

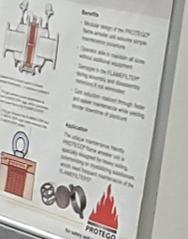
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