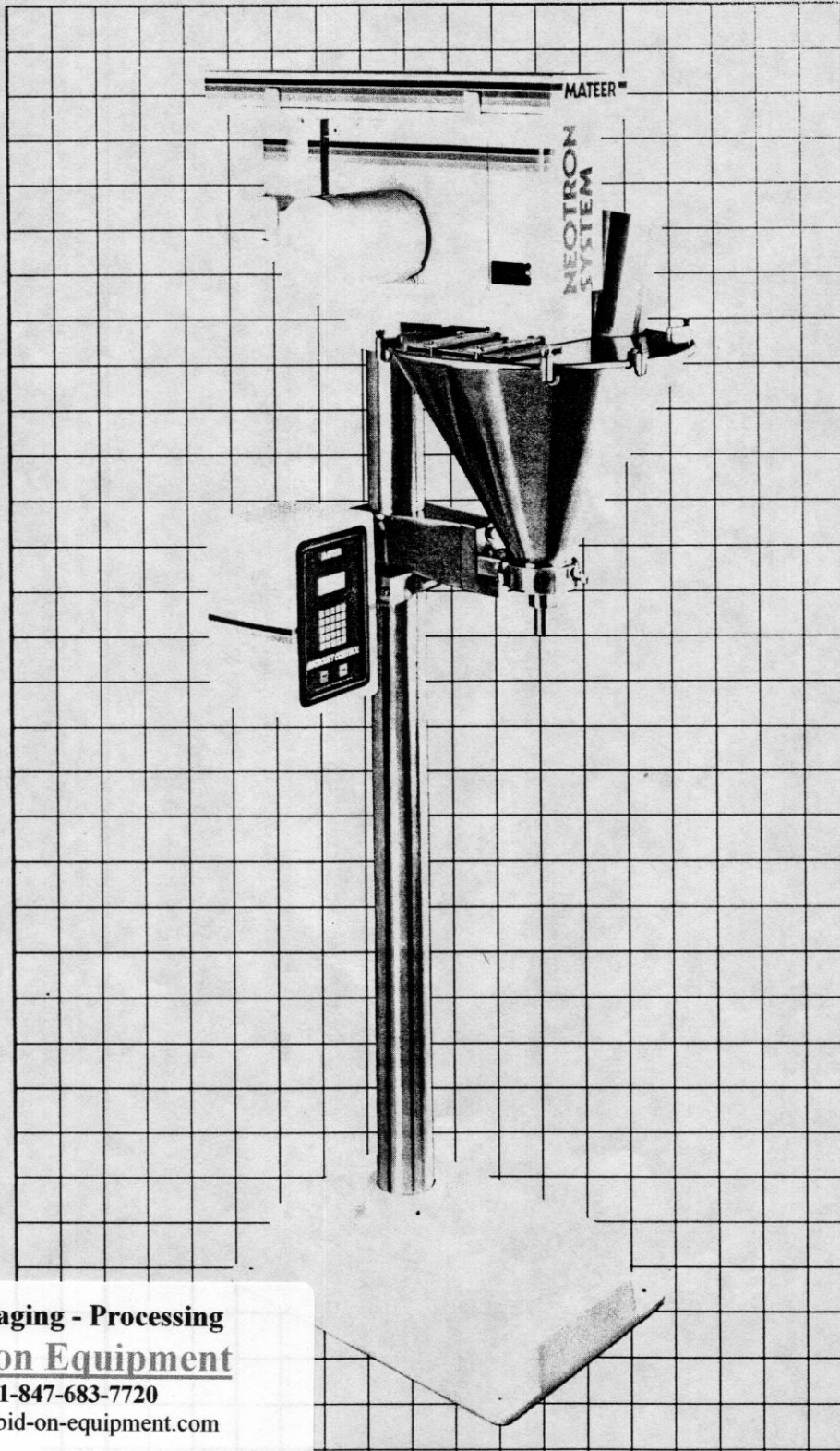


# MATEER NEOTRON SYSTEM™

Series 1000  
Single Head  
Semi-Automatic  
Filler

## Neutron System™ with MicroSet Control



**Unequaled accuracy  
and productivity.  
Unquestionably  
profitable.**

### Accurate for product savings

The key to the System's accuracy is the interface between the programmable microprocessor of the MicroSet Control and the improved mechanical features of the Neutron filler head. Together they improve the inherent accuracy of the System by more than 30%. Now target weights can be set closer to label weights. Result: every container can be filled precisely, with less product giveaway.

### Versatile for productivity

Mateer's MicroSet Control enables the filler to be set up faster, provides for greater operating efficiency, and assures increased operator convenience. It can also interact with other controllers—for maximum versatility and productivity.

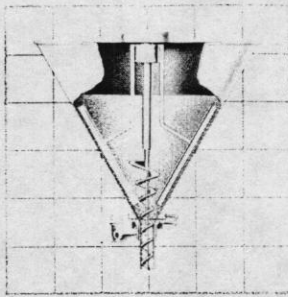
### Reliable for bottom line profits

All operational components of the Neutron System are designed for rugged performance, long life and easy maintenance. The pneumatic clutch brake, for example, has heavier-duty components that permit it to handle bigger loads with less stress. And the time required for adjusting it has been reduced by 500%. The whole system is built to keep working profitably.

**Packaging - Processing  
Bid on Equipment**

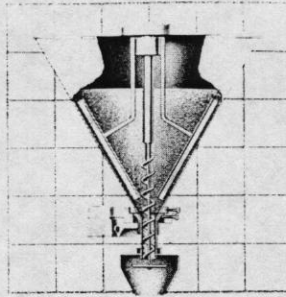
1-847-683-7720

[www.bid-on-equipment.com](http://www.bid-on-equipment.com)



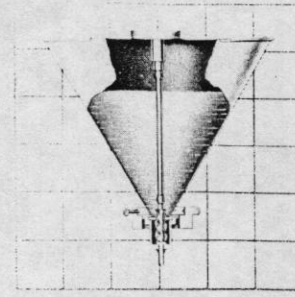
**For Powders, Non-Free Flowing**

Auger and slow-speed agitator blades meter this type of powder precisely without product bridging in the hopper.



**For Powders, Free-Flowing**

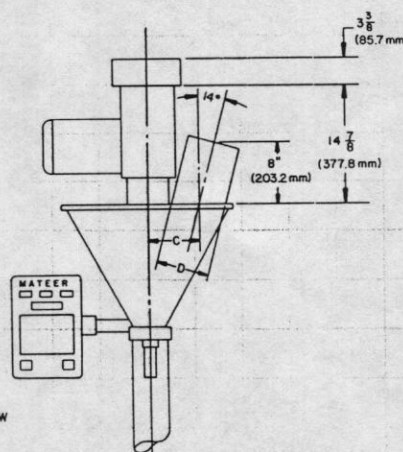
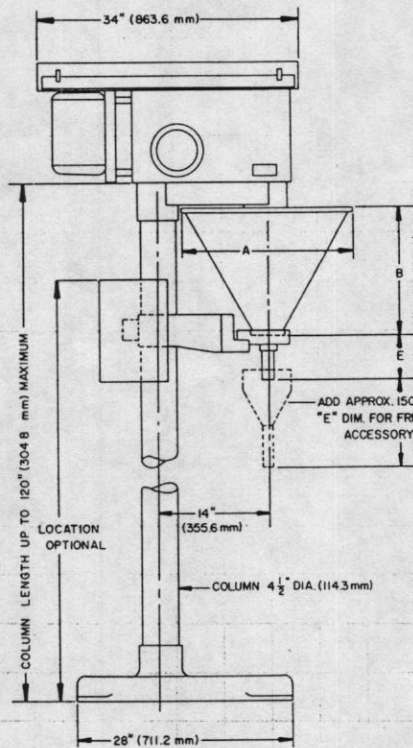
Auger with an integral spinner assembly and collector funnel prevents sluicing of the product through the auger.



**For Liquids, Creams, Pastes, Viscous Liquids, and Slurries**

Positive displacement stainless steel pump rotor and stator assembly in a variety of materials. This is easily interchanged with augers.

# SPECIFICATIONS



DIMENSION	16" PLAIN CONE			22" PLAIN CONE			22" STRAIGHT SIDED		
	16"			22"			22"		
A	16"			22"			22"		
B	11 5/8"			16 5/8"			20 5/8"		
C	5 1/2"			6 3/4"			6 3/4"		
D	4"			7"			7"		
E	ST'D. SHORT - NO. 4 TO NO. 32			4 2/16"					
	ST'D. SHORT - NO. 36 TO NO. 52			5 2/16"					
	ST'D. LONG - NO. 4 TO NO. 52			12 2/16"					

**Main Drive Motor**—Standard 1½ HP, 1200 RPM, TEFC, 220 or 440 volts/3 phase/60 Hz. Other voltages, frequencies, and speeds available upon request including variable speed for maximum versatility.

**Agitator Motor**—½ HP, 58 RPM, TENV, 220 or 440 volts/3 phase/60 Hz. Other voltages, frequencies, and speeds available upon request including variable speed for maximum versatility.

**Controls**—110 or 220 volts, 50-60 Hz. Easily interfaced with host controllers or computers for maximum system efficiency.

**Clutch Brake**—Specially designed pneumatic operation, rated up to 3 HP.

**Auger/Pump Speed**—Four easily adjustable speeds via a 4 step/2 step pulley design for maximum productivity.

**Construction Material**—Stainless steel product contact parts (hopper, cover, infeed duct, shafts, auger, funnel, pump rotors, agitator blades). Aluminum (support column, brackets, castings).

**Weight, Uncrated**—275 lbs. (375 lbs. with slow speed agitator).

**Weight, Crated**—375 lbs. (475 lbs. with slow speed agitator). Crate size 36" W x 48" H x column length + 12."

Exact engineering specifications are subject to revision—please consult manufacturer.

# ACCESSORIES

**Recycling Timer**—Standard with MicroSet Control, for controlling operator filling rates from 1/10 to 10 seconds between each fill.

**Level Control**—To maintain hopper level through automatic signaling of bulk product infeed systems.

**Cut-Off Valves**—To assure positive shut-off without drip for powder and liquid fills.

**Electronic Scales**—For the best possible accuracy of package weights in gross or net weight modes.

**Container Lift**—To control dusting during fill and/or to increase product packing within containers.

**Container Vibrator**—To assist in settling aerated products.

**Densifying Head**—Removes excess air from both rigid containers and product during the metering cycle for increased densification and fill rates.

**Densifying Auger**—Removes excess air from product during the metering cycle for increased densification and fill rates.

**Container Clamping Mechanisms**—For flexible or rigid containers to increase operator productivity.

**Special Electrics**—Designed to meet most NEMA standards for exceptional environments.

**Controlled Temperature Hoppers**—For filling products which require higher or lower temperatures than ambient.

**Container Indexing**—Used with existing conveyors for fully automatic operation.

**Dust Shrouds**—To control product dusting in the work area.

**Work Table**—For operator convenience and increased efficiency.

# MATEER-BURT

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## Packaging - Processing Bid on Equipment

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