

## Urschel Comitrol 1300

Mfg: Urschel

Model: 1300

Stock No. DBPF058.7

Serial No.

Urschel Comitrol 1300. Blade diameter: 9 in. Sieve aperture: 13 in. dia. Louis Allis Motor, 1-1/2 hp, 208-220/440 V, 60 Hz, 41.5-39/19.5 amps, 3,540 rpm. Overall dimensions: 42 in. L x 31 in. W x 57 in. H.



# Comitrol® Processors

Comminuting Machines

## Comminution

Comminution is the process of reducing a product to a smaller size. Conventional methods of comminution employ some type of grinding, smashing, or tearing action which can produce excessive heat and degrade the quality of the finished product. This can also generate a higher percentage of particles which fall outside the target range of the desired particle size and negatively impact the yield, quality, and final particle size.

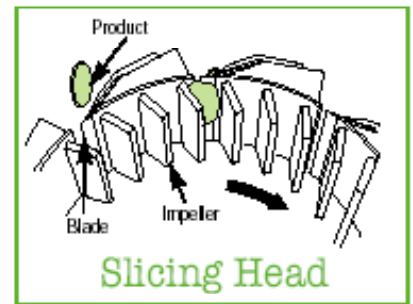
## Controlled Comminution

The word “Comitrol” means controlled comminution. The Comitrol® processor uses the principle of incremental shear to ensure highly efficient comminution by rotating the product inside a stationary reduction head at high rotational speeds. In addition, continuous single pass operation achieves consistently uniform particle size reduction at high capacities. The result is the most efficient type of comminution available today. The versatile Comitrol processor has been used in thousands of processing applications throughout the world on a variety of food, chemical, and pharmaceutical products. Eight Comitrol models are available to meet your processing requirements.

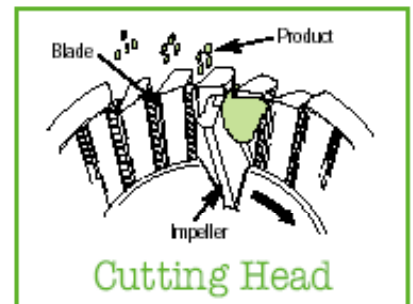
## Comitrol Versatility

- Various consistencies from dry to paste to liquids
- Precision particle size reduction down to microdimensions
- Wide spectrum of product applications
- Standard operations include:

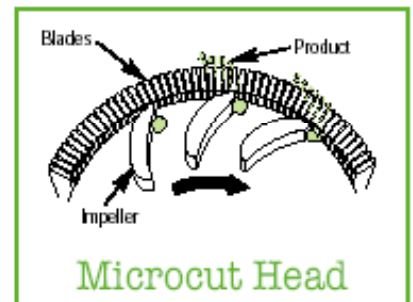
<b>Granulating</b>	<b>Milling</b>	<b>Flaking</b>	<b>Shredding</b>
<b>Slicing</b>	<b>Liquefying</b>	<b>Homogenizing</b>	<b>Emulsifying</b>
<b>Blending</b>	<b>Pureeing</b>	<b>Dispersing</b>	



Slicing Head



Cutting Head



Microcut Head