

## The Concept

Vaughan chopper pumps incorporate increases in efficiency, with improved reliability handling tough stringy solids. Some models also include a new back-pullout casing design, allowing external adjustment of clearances and ease of maintenance.

Vaughan Chopper Pumps are not to be confused with other types or brands of chopper pumps, cutter pumps, grinder pumps or comminutors. Some of the unique patented features specific to Vaughan Chopper Pumps which make the product so dependable are:



*Vaughan's unique cartridge style mechanical seal handles the toughest slurries, outperforming standard single-spring seals by reducing problems associated with wrapping or abrasion.*

*Stray solids trapped in the mechanical seal area are shredded and removed by the impeller vanes turning against the upper cutter.*

*Solids are chopped by the cupped and sharpened impeller blades turning across the cutter bar, creating a smooth "slicing" effect. The conditioned slurry is easily pumped through the pump and piping system without plugging.*

*The cutter nut cuts stringy materials that can tend to wrap at the pump inlet.*

*An optional disintegrator tool agitates and breaks up large solids to prevent suction blockage. The tool is removable for stringy solids.*