



MAXIMIZING PRODUCT QUALITY • INCREASING PRODUCTIVITY • STREAMLINING OPERATIONS



HOCKMEYER

HCP Series
Immersion Mills

Versatile Particle Reduction Systems



HCP

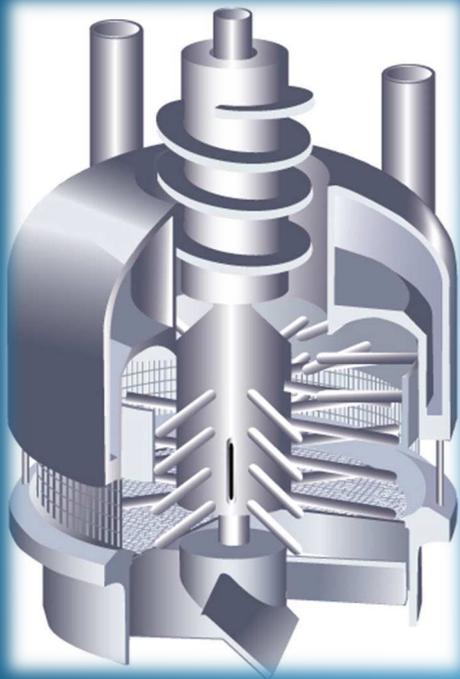


HCPS



HOCKMEYER

The Hockmeyer HCP Immersion Mill



Hockmeyer's milling design is efficient, easy to use, and easy to clean.



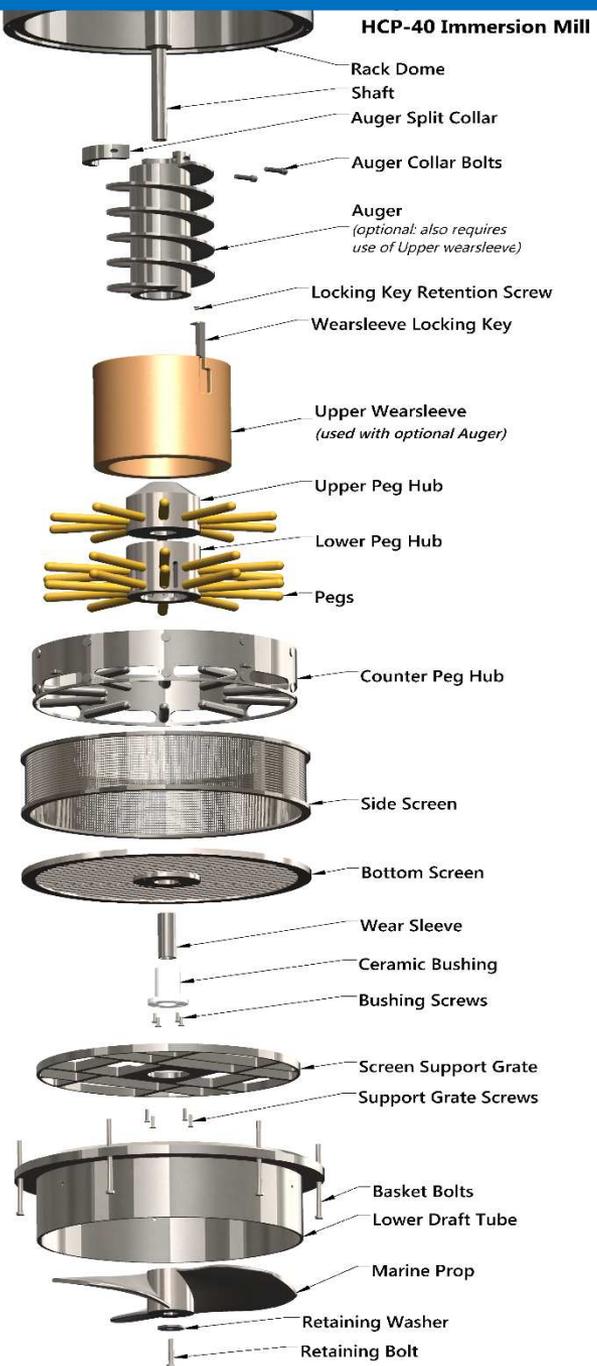
HOCKMEYER

How it works

Rapid recirculation through an intensely agitated media field with multiple impact points produces “Homogeneous Batch Development,” achieving fast grinds and tight particle size distributions.



HOCKMEYER



The Grind Chamber

The HCP grind chamber is composed of 5 primary parts:

- Rack Dome
- Auger
- Centrifugal Peg Hub
- Counter Peg Insert
- Containment Wall and Side Screens

The Rackdome



The rackdome provides cooling and support for the grind chamber. All rackdomes are provided in a mirror finish for maximum cleanability and easy product changes.



HOCKMEYER

The Auger



The auger draws the product into the milling chamber.

The Centrifugal Peg Hub

The centrifugal peg hub is the primary tool for imputing energy into the grinding media. The centrifugal chamber on the bottom of the hub increases bushing life by removing media from the wear zone.

Peg Materials: *hardened steel, tungsten carbide, ceramic.*



HOCKMEYER

Peg Options

Tungsten

YTZ Ceramic

Hardened Steel



HOCKMEYER

The Counter Peg Insert

The addition of the counter peg insert increased the mill's efficiency by 50%. This is achieved by increasing the agitation in the media field through flow disruption.



HOCKMEYER

Screens

Side and Bottom screens can be constructed in multiple pore/slot sizes and in several materials. Pore/slot sizes range from 1.5mm to 10 um and can contain media down to 0.3mm. Materials of construction to include stainless steel, tungsten coated and polymeric options.



HOCKMEYER

Flow

Flow is generated using propellers, augers, and sweep blades. These options allow us to mill a wide viscosity range.



HOCKMEYER

Grinding Media

Media Size:

Media should be at most 1000x larger than your targeted particle size.



HOCKMEYER

Maintenance Cart

This portable cart is specifically designed to allow easy disassembly of the immersion mill when changing media, screens, or pegs. The maintenance cart is mounted on high quality casters to make it an easily stored and highly mobile tool.



HOCKMEYER

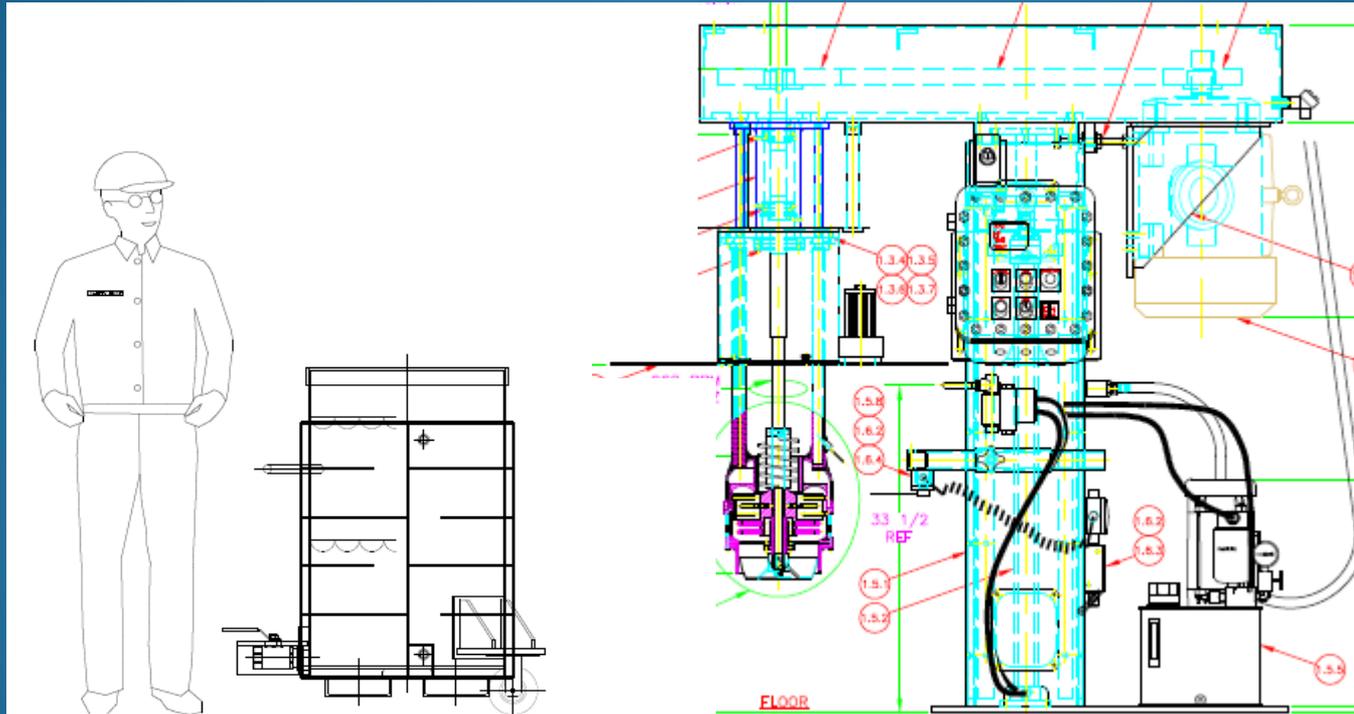
Operating Platforms:

HCP Series Mill are available in four customizable operating platforms to fit your process needs.

- Mobile Tank
- Dual Position
- Through the Floor
- Mezzanine

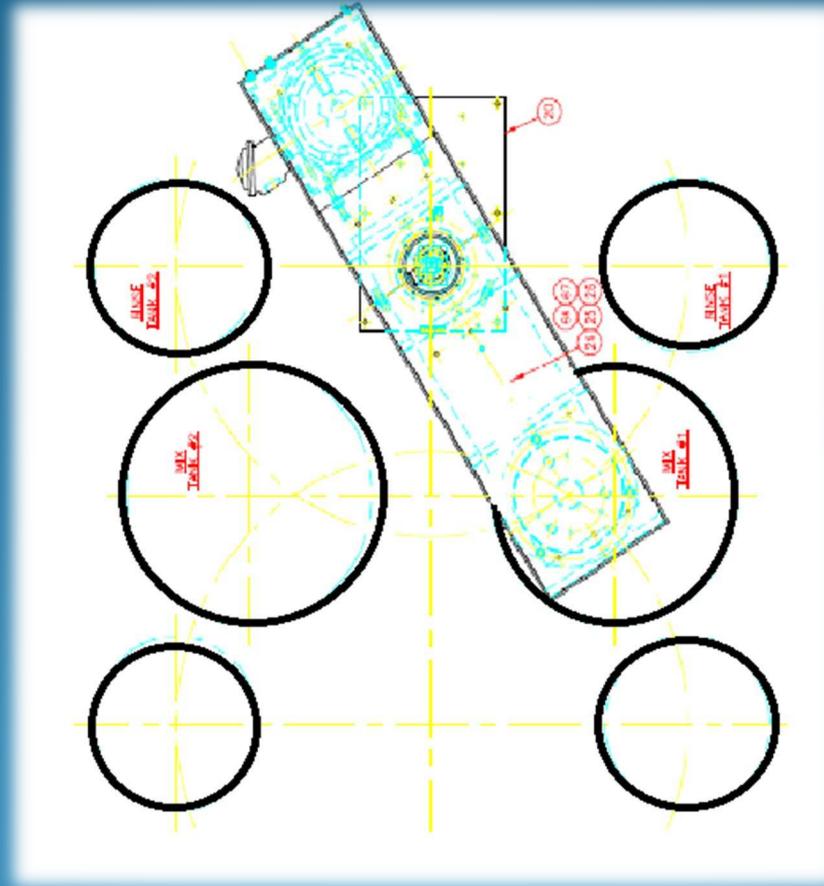


Operating Platforms: Mobile Tank



HOCKMEYER

Operating Platforms:



Dual Position

Operating Platforms:



Through the Floor



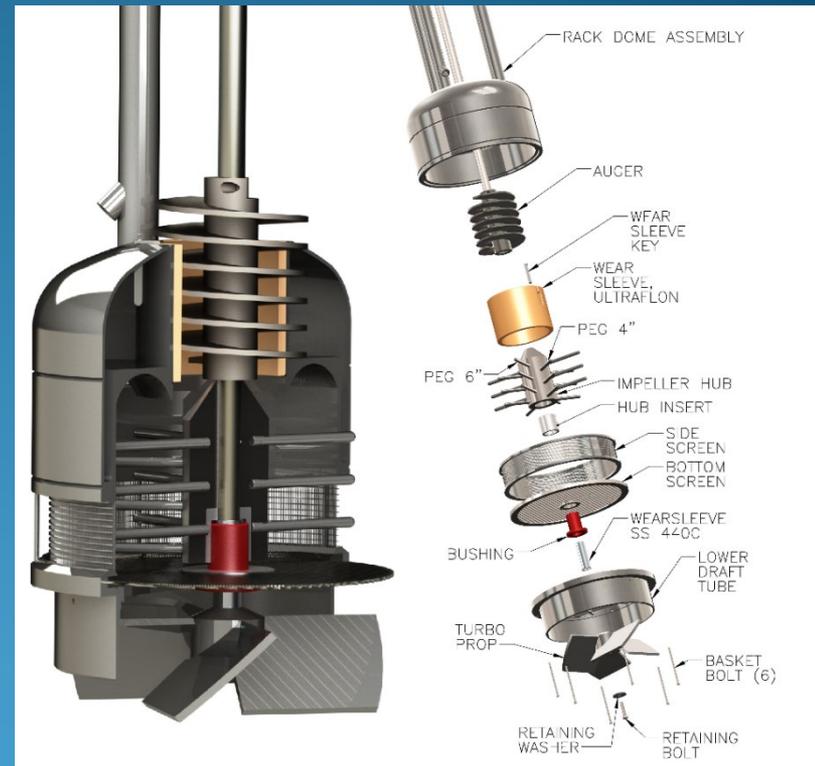
Mezzanine



HOCKMEYER

Benefits of the HCP Series Mills

- Rapid particle size reduction
- Tight particle distributions
- Fast formula change overs
- Low operator involvement
- Low maintenance cost
- No pumps or hoses



HOCKMEYER

Benefits of the HCP Series Mills

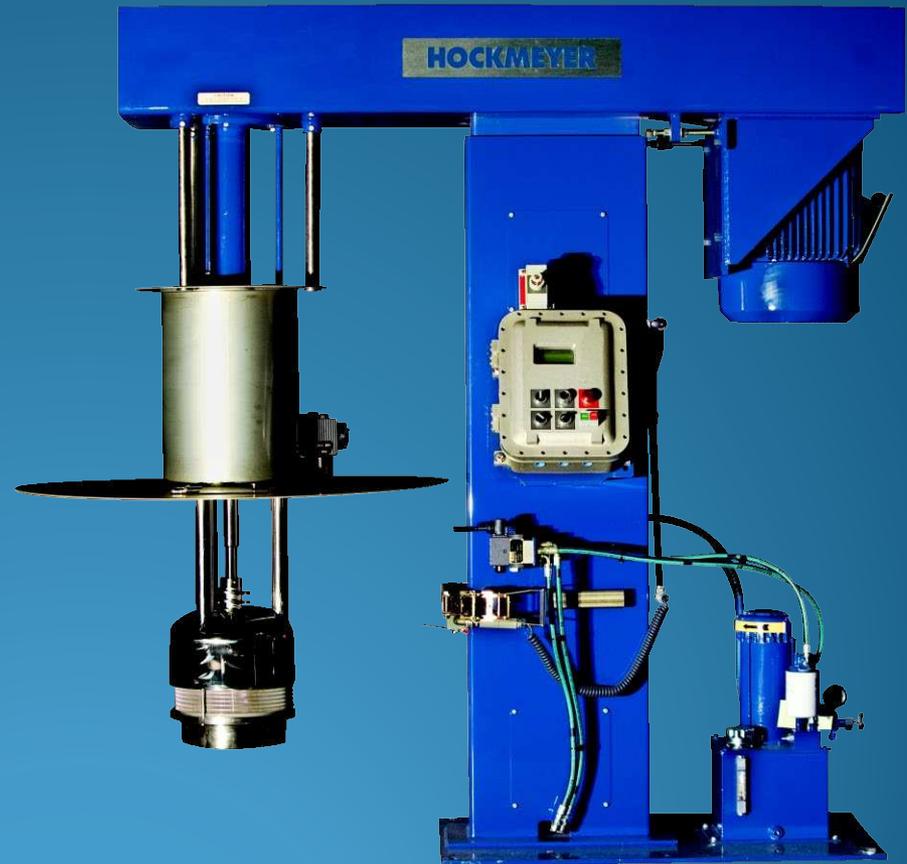
- Can handle high viscosity
- Minimal loss of product
- Less media wear due to no hydraulic packing
- No mechanical seal
- Uses less media than comparable equipment



HOCKMEYER

The HCP

Fast, efficient,
particle reduction.



HOCKMEYER

The HCPS

For particle reduction in high viscosity, thixotropic or heat sensitive products.



Lab Testing Capabilities



Lab Testing Capabilities

When choosing the best piece of equipment for your process, it is essential to carefully evaluate how that equipment will perform on your unique products. Equipment should fit into your current process seamlessly or, ideally, remove steps to help create a leaner process.

Process time, scale-up, cleanability, product loss, ergonomics, and the ability to meet or exceed your standard are all elements you will need to explore before a decision can be made.

At Hockmeyer we understand how challenging this process can be, and that is why we have equipped our Customer Service and Testing Facility with laboratory, pilot, and production models of all our most popular equipment.



Providing Process Solutions Around the World

www.hockmeyer.com

sales@hockmeyer.com

Headquarters:
610 Supor Blvd.
Harrison NJ, 07029
(973) 482-0225

Manufacturing
Parts & Service
6 Kitty Hawk Lane
Elizabeth City, NC 27909
(252) 338-4705