



# Pharmaceutical Blenders



For more information  
contact one of our Sales Engineers  
[sales@showes.com](mailto:sales@showes.com)  
[www.showes.com](http://www.showes.com)

S. Howes, Inc.  
Phone: (716) 934-2611  
Toll Free: (888) 255-2611  
Fax: (716) 934-2081

© 2014 S. Howes, Inc. All rights reserved

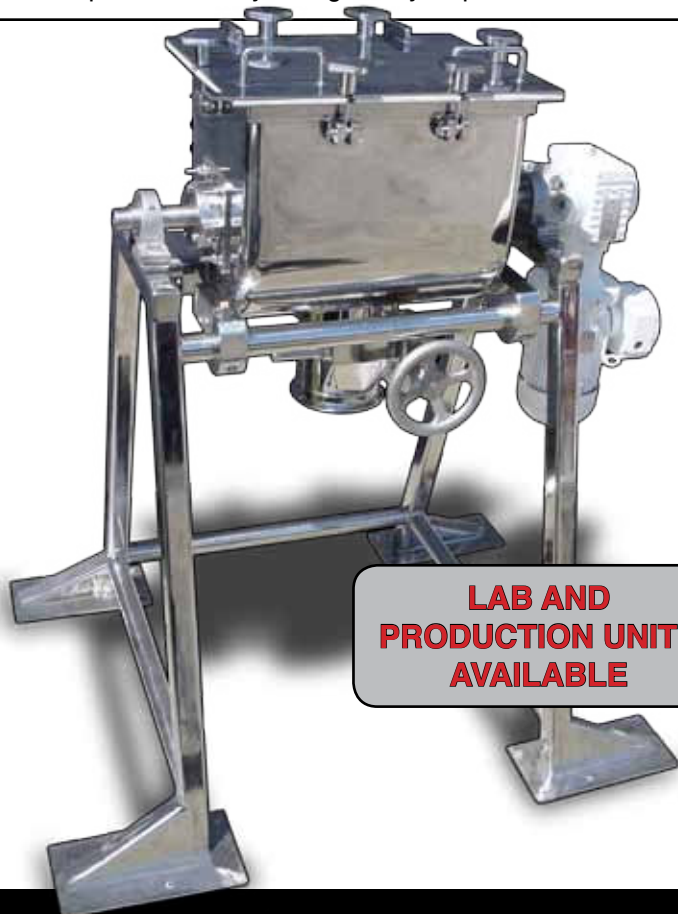


## ENGINEERED-TO-ORDER

S. Howes' sales and engineering personnel can recommend a standard design for your application or work with you to develop a custom design, depending on your unique needs. If the features you need are not listed, call to see how we can develop a solution to meet your requirements.




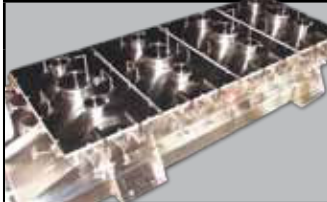



### CONSTRUCTION FEATURES

- All Stainless Steel construction including tank, agitators, covers, and support legs
- S. Howes Double-Ribbon Agitator with the original reverse-spiral design or Paddle Agitator
- Drive and discharge components are painted white epoxy
- All welds are continuous, ground smooth, crack and crevice free. All butt weld joints are ground flush. All corner welds are ground to a radius and blended into the joined components
- The tank is formed with internal radii at the end plates to eliminate corners where product can accumulate
- All agitator assemblies are designed with flanged journals. This allows the agitator assembly to be completely removed for cleaning and inspection as required
- Double lip-type seals are the standard shaft seal
- Internal components are passivated before shipment
- Interior and exterior finishes can be as fine as 12-15 RA to meet specific industry or regulatory requirements



**LAB AND  
 PRODUCTION UNITS  
 AVAILABLE**

### AVAILABLE OPTIONS

	<b>Discharge Options</b> <ul style="list-style-type: none"> <li>• Knife Gate</li> <li>• Ball Valve</li> <li>• Plug Valve</li> <li>• Sanitary Fittings</li> <li>• Center or End Discharge</li> <li>• Dump Style</li> </ul>
	<b>Liquid Addition</b> <ul style="list-style-type: none"> <li>• Straight Injection</li> <li>• Fluid Nozzles</li> <li>• CIP Spray nozzles</li> <li>• Inlet Pipes and Valves</li> <li>• Spray Bars</li> </ul>
	<b>Thermal Options</b> <ul style="list-style-type: none"> <li>• Heating Jackets</li> <li>• Cooling Jackets</li> <li>• Integral</li> <li>• Bolt-On</li> <li>• Fluid or Electrical</li> </ul>
	<b>Covers</b> <ul style="list-style-type: none"> <li>• Designed to Suit Application</li> <li>• Removable</li> <li>• Hinged &amp; Clamped</li> <li>• Flanged</li> <li>• Sanitary Inlets</li> </ul>
	<b>Shaft Seals</b> <ul style="list-style-type: none"> <li>• Split Double-Lip</li> <li>• Packing Gland</li> <li>• Rotating Mechanical</li> <li>• Air Purged</li> </ul>
	<b>Intensifiers</b> <ul style="list-style-type: none"> <li>• High Velocity</li> <li>• Tulip or Blade Style</li> <li>• Breaks up lumps</li> <li>• Improves mixing by reducing blend time of minor ingredients</li> </ul>
	<b>Custom Designed Systems</b> <ul style="list-style-type: none"> <li>• Designed to Fit Specific Individual Processing Needs</li> <li>• Collection Tanks</li> <li>• Conveyors</li> <li>• Feeding Systems</li> <li>• System Integration</li> <li>• Custom Controls</li> </ul>