

Overview

WetModule™ systems deliver a high-energy wet grinding, dispersion, and deagglomeration solution for FlackTek™ machines.

With contained media, broad viscosity tolerance, and a built-in recovery workflow, WetModule™ systems provide a simplified path to rapid particle size reduction while minimizing the media-separation and sample-loss challenges traditionally associated with loose-media milling.



Key advantages

Faster Results

Higher energy media impacts produce more effective breakage events per collision, helping reduce grinding times from hours to minutes.

No Loose Media

The WetModule™ keeps grinding balls contained, eliminating loose media handling and the need to manually separate media from sample after grinding.

Maximum Sample Recovery

A recovery cycle suspends the WetModule™ from the top of the cup - residual material is spun off the media/cage to rejoin the bulk sample at the bottom.

Broad Viscosity Range

Greater acceleration generated by the FlackTek™ supports grinding even viscous materials - well beyond the limits of more traditional lower-energy systems.

Scalable

Available across multiple cup and machine sizes, supporting small R&D samples through larger production batches.

Micro and Nano Versions

Micro WetModules™ use larger media for rapid reduction of coarser starting particles while Nano WetModules™ use smaller media for finer final particles sizes.

Technical Specifications

Available Sizes	Max 60L, Max 100L, Max 300XL, 3.5 gal	
Material	Stainless Steel (440C)	
Sample Capacity	Max 60 Long: ~20-60 mL Max 100 Long: ~35-100 mL Max 300 Extra Long: ~140-500mL 3.5 gal: ~1.6 - 7 L	
Material State	Wet: Slurries, suspensions, pastes	
Machine Compatibility	Small, Medium, Medium+, and Large FlackTek™ machines	
Application Examples	Paints, pigments, inks, coatings, battery slurries, high energetics, creams.	
	Micro	Nano
Media Size	3 mm	1 mm
Slot Size	2.25 mm	0.75 mm
Best For	Larger starting particles	Smaller final particles