

# High-Speed Disperser (MHI)

## High-Shear Particle Size Reduction: Precision-Engineered Disperser for Rigorous Operations

The High Speed Disperser (MHI-series) is a high-performance processing solution designed for rigorous operations. It excels in particle size reduction and de-agglomeration. Its robust construction, made from high-quality steel, ensures reliable and efficient processing, with enhanced durability and minimal downtime.

Engineered with precise shaft-to-bearing alignment, the design offers robust and sturdy operation, combining durability, hygiene, and versatility. Its proficiency in handling both high and low viscosity mill bases makes it ideal for one-tank operations.

The design emphasizes energy efficiency, minimizing power usage and enhancing cost-effectiveness. User-friendly and low maintenance, it serves various sectors.



### High-Shear

Effective particle size reduction and de-agglomeration.



### User-Friendly

Simple operation with minimal maintenance requirements.



### Versatile & Efficient

Accommodates Varying Tank Sizes for Diverse Batch Needs.



### Hygienic Design

Stainless Steel Tank & Pocketless Valve for Easy Cleaning.



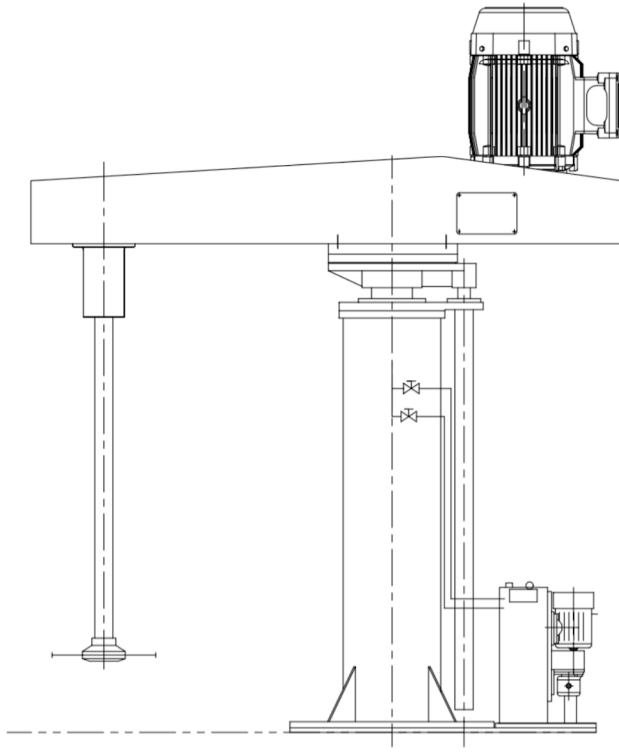
### Durable

Built for longevity and minimal downtime. High quality steel



### Energy-Optimized

Low energy consumption for cost-effective operation



SCADA + HMI Control & Monitoring Option



Hygienic Design Option



Hazardous Environment Option

Model	Motor (kW)	Speed (m/s)	Type
MHI-5	3.7	25	ST
MHI-7.5	5.5	25	ST
MHI-10	7.5	25	ST
MHI-15	11	25	ST
MHI-20	15	25	ST
MHI-30	22	25	ST/HT
MHI-40	30	25	ST / HT
MHI-50	37	25	ST/HT
MHI-60	45	25	HT
MHI-75	55	25	HT
MHI-100	75	25	HT
MHI-125	90	25	HT
MHI-150	110	25	HT
MHI-200	150	25	HT
MHI-220	160	25	HT
MHI-260	200	25	HT
MHI-300	220	25	HT



**Cyclelect Nismix Pte. Ltd.**

515 Yishun Industrial Park A, Singapore 768737  
 T: +65 6868 6000 • E: hello@nismix.com.sg  
 W: nismix.com.sg

70+ years of industrial powder and liquid mixer solutions, from concept to integration, empowering production plant owners.

