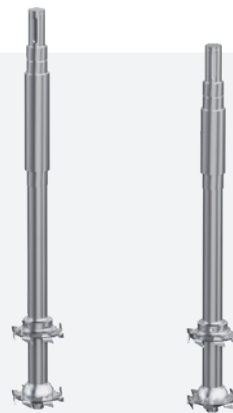


Dual Planetary Revolution + Self-Rotation Material Mixing with No Dead Zones

01

Dual motion of rotation and revolution, powerful shear mixing

Two sets of mixing paddles and one high-speed dispersing shaft revolve around the barrel's central axis while simultaneously rotating at high speeds, achieving rapid material blending through intense shearing and kneading action.



Dispersion shaft



Twisted-style mixing paddle

02

Multiple agitator blades for diverse material processing applications

Agitator blades come in various configurations, including paddle-type, twisted-type, claw-type, and frame-type. Allowing selection of the optimal type based on the viscosity and specific gravity of the material, as well as the requirements of the production process.

03

Auto wall-scraping, no material residue

The automatic wall-scraping design eliminates dead zones in mixing. Pressure or vacuum can be applied for deaeration, with strong shear and kneading to enhance uniformity. Scraping blades rotate and conform to the precision-polished tank walls, thoroughly removing adhered material for optimized mixing results.

04



Lifting Assembly

One-touch lift and lower, anti-displacement lock

The equipment features electric lifting, and the material barrel equipped with a fixed device to prevent displacement. It offers an optional integrated mixing and extrusion design, combined with slide rails for easy barrel movement, enabling integrated mixing and discharge operations.

05

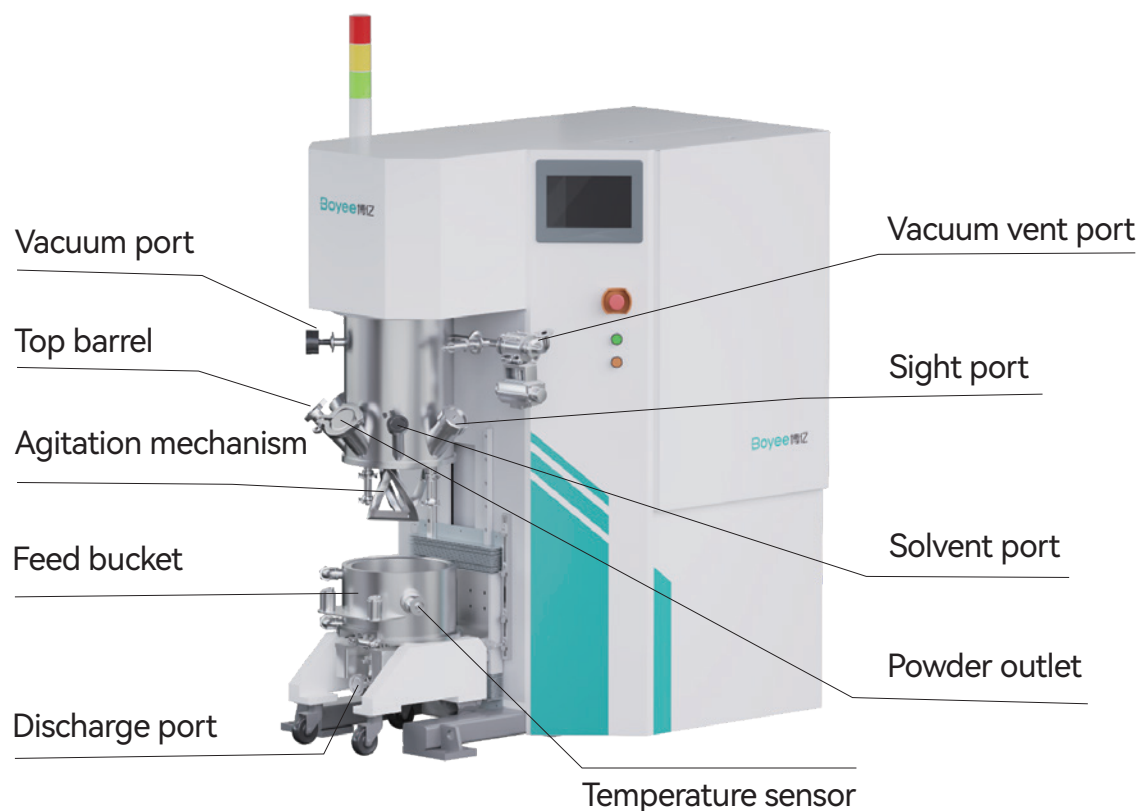
Double-layer barrel body with precise temperature control for multiple processes

The double-layer barrel integrates cooling with multiple heating methods, enabling precise temperature control to ensure the stability of heat-sensitive materials and adapt to diverse production processes.



Material bucket

Dual Planetary Mixer Structural Diagram



Specifications

Specification	BY-MHY-2L	BY-MHY-6L	BY-MHY-10L	BY-MHY-15L	BY-MHY-20L	BY-MHY-30L
Design Volume	5L	10L	15L	20L	25L	40L
Disperse Speed	3000rpm	3000rpm	3000rpm	3000rpm	3000rpm	2800rpm
Mixing Speed	100rpm	100rpm	100rpm	80rpm	80rpm	80rpm
Total Power	3kw	4kw	4.5kw	5kw	6kw	8kw

Specification	BY-MHY-100L	BY-MHY-150L	BY-MHY-200L	BY-MHY-300L	BY-MHY-600L	BY-MHY-800L	BY-MHY-1000L	BY-MHY-2000L
Design Volume	140L	190L	280L	380L	700L	1050L	1380L	2400L
Disperse Speed	2800rpm	2800rpm	2800rpm	2600rpm	2200rpm	1800rpm	1600rpm	1200rpm
Mixing Speed	80rpm	80rpm	80rpm	60rpm	48rpm	48rpm	40rpm	35rpm
Total Power	20kw	27kw	30kw	38kw	82kw	92kw	120kw	140kw

Optional: Heating system、Cooling system、Discharge system、Feedingsystem

Boyee

One-stop nanomaterials solution provider

BY-MHY Dual Planetary Mixer

Multi-dimensional Mixing · Precision Wall Scraping · All-around Process Capability



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