

Precision powder mixer

Hi-X Series

Mixer capable of high-accuracy, high-speed mixing



Hi-X200

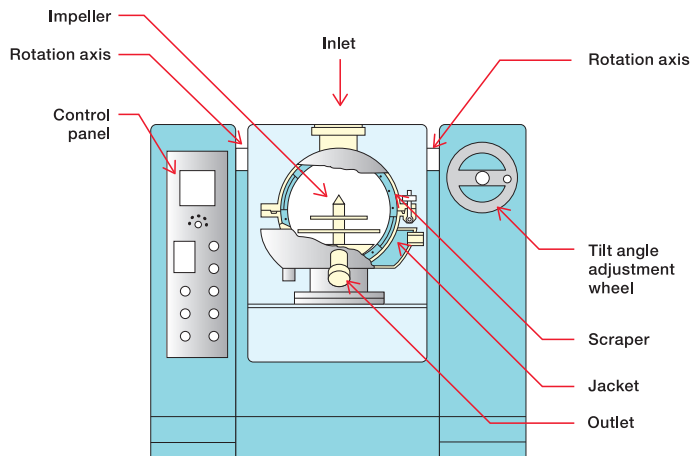
Sphere mixing chamber
eliminates powder
stagnating dead space.

Mixed powder can be easily
discharged.

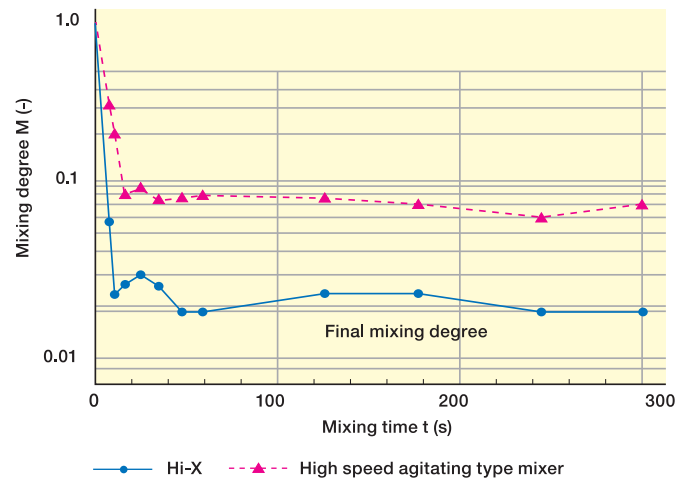
Mixing is possible while
heating and cooling.

The Hi-X, achieves high accuracy and high-speed mixing. This powerful mixer answers various and difficult requirements for powder mixing application.

Structural cross section



Comparison with previous model



Example

Materials	Particle diameter[μm]	Particle density[kg/m ³]	Mixing ratio[%]
Corn starch	17.3	1,450	80
Silicon carbide #1000	18.0	3,200	20

Features

- Sphere mixing chamber eliminates powder stagnating dead space.
- Heat generation and pulverization level can be controlled by changing the tilt angle of the mixing chamber.
- Scraper removes powder adhered to the chamber wall. Mixed powder can be easily discharged by only turning the scraper.
- The mixing time can be automatically set by the timer.
- The safety device is installed. The equipment is easy to assemble and clean.
- The jacket structure enables heating or cooling of the powder while mixing (options).

Lineup

Models	Dimensions W×D×H[mm]	Gross capacity[ℓ]	Net capacity[ℓ]	Power[kW]		Revolution speed [min ⁻¹]		Tilt angle [degree]	Weight[kg]
				Impeller	Scraper	Impeller	Scraper		
Hi-X200	730 × 550 × 700	4.2	1.7	0.75	0.09	200 ~ 6,000	45	0° ~ 90°	130
Hi-X360	1,250 × 700 × 1,300	24.4	9.8	5.5	0.4	200 ~ 4,000	30	0° ~ 60°	500
Hi-X500	1,550 × 900 × 1,300	65.4	26.2	7.5	0.75	100 ~ 3,000	23	0° ~ 60°	700
Hi-X750	1,400 × 1,825 × 2,000	250	100	30	3.7	100 ~ 2,000	30	30°	2,000