



# MicroDischarger MD

## Circle Feeder™ for Ultra-low Rates and High Precision

*The MicroDischarger Circle Feeder™ is used to feed powders with poor fluidity at ultra-low rates with high precision.*

### Features

- Pulsation-free continuous low-rate feeding is realized.
- Less influenced by material pressure.
- Accurate feed rate even with materials of poor fluidity.
- Replaceable scraper allows for a wide range of feed rate.
- Easy disassembly and cleaning

### Operation

The MicroDischarger combines two Circle Feeder™ technologies into one compact unit to provide continuous feeding at low rates with high precision.

As the guide vane of the first feeder slowly rotates, the material is radially moved under the fixed ring and conveyed to the second disk type feeder. This allows the level of material in the hopper to drop evenly, creating mass flow conditions in the hopper.

The disk feeder rotates the material to a scraper ensuring the desired feed rate and accuracy are maintained as product exits at the discharge port.



*The MicroDischarger can have a feed rate as low as 1 ml per hour.*

### Specifications

Model	MD-120	MD-180
Designed feed rate (ml/min)	0.52 ~	~ 1667
Materials	SUS304	
Options	Scraper and other	