

Advanced Powder Feeder for Brake Disc Coating

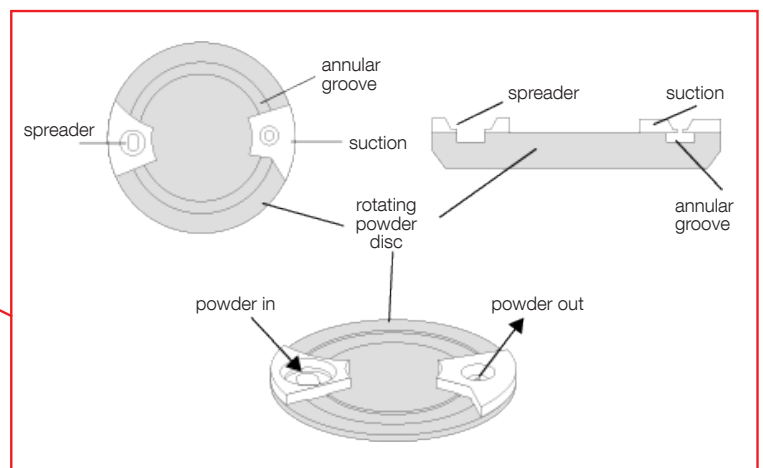
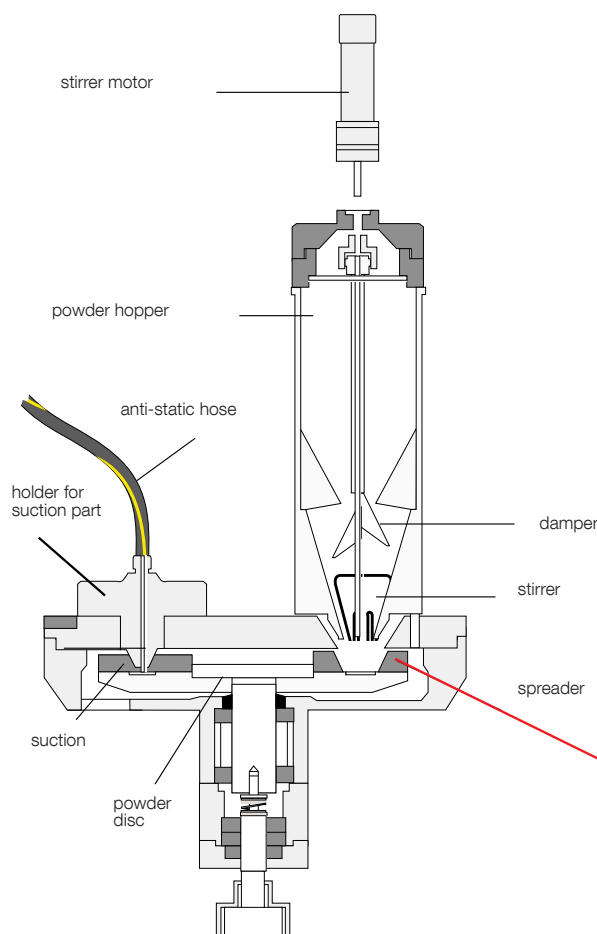
To maintain a constant supply of powder in high speed laser cladding for brake disc coatings, typically under production conditions, the powder is supplied to the laser head from a powder feeder.

Volumetric Powder Delivery with Gravimetric Control

- The powder is conveyed from the powder hopper into the groove of the powder disc.
- The spreader deposits the powder precisely in a defined height across the entire width of the groove.
- The powder is sucked out of the powder disc groove by the suction part.
- The powder is carried through the holder for suction part into an antistatic hose towards the spray gun.
- The powder hopper is gas tight and has a slight overpressure. The gas exits the powder hopper together with the powder through the suction part in to the powder hose.

Features

- Additive or laser cladding applications
- Gravimetric drive module
- Open loop function
- Fill level monitoring
- Standard flow module
- Heater module



The rotating disc powder feeder uses a volumetric method of feed rate control.