

Automatic Slurry Charging Unit

Nano DRIPPER

Femtech Co.,Ltd

Nano DRIPPER

VP-2400



VP-2401



Outline Of Equipment

□ **VP-2401**

↳ DIMENSION

D240mm X W206mm X T311mm

↳ WEIGHT

4.5Kg

↳ POWER SUPPLY

1Φ AC100V 、 3A

Disadvantage Of“Spray System with Magnetic Stirrer”

1. **Human health problem due to vaporization of slurry solvent**
2. **Uncontrollability of slurry supply**
3. **Scratch of work piece due to fragment of magnet**
4. **Noise due to magnet fragment on work piece**
5. **Charging condition change due to heat generation by magnet rotation**



Disadvantage Of “Champing Pump System with Magnet Stirrer”

1. **Diamond powder separation inside plastic tube**
2. **Waste of slurry due to continuous charging**
3. **Magnetic pollution due to magnet fragmentation**
4. **Charging condition change due to heat generation of magnet rotation**
5. **Broken of plastic tube**
6. **Deteriorate to solvent oil**



Advantage Of Nano Dropper

- 1. Slurry mixing using air bubble method**
 - Eliminate magnet stirrer system
 - Eliminate champing pump or vaporization unit
 - Keep good diamond powder dispersion
- 2. Precise slurry supply**
 - Control of amount & repeatability by applied pressure and time
 - Easily change of charging pattern
- 3. Prevention of contamination due to fragmentation**
 - Take away magnet and plastic tube

Advantage of Nano Dropper (Cont'd)

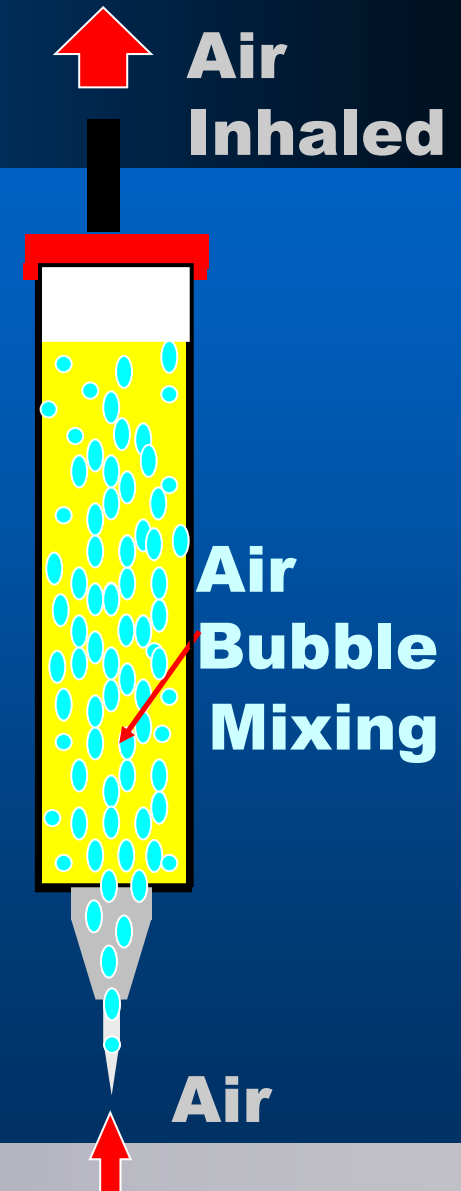
- **Prevent Environmental Pollution**
- **Prevent Human Health Affect**
- **Prevent Precipitation of diamond**
- **Prevent Temperature Change in Slurry**
- **Set-up Slurry and Lubricant at Once**
- **Easy Storage and Space Saving**

Design Concept

Air Bubble Mixing

□ Idling Mode

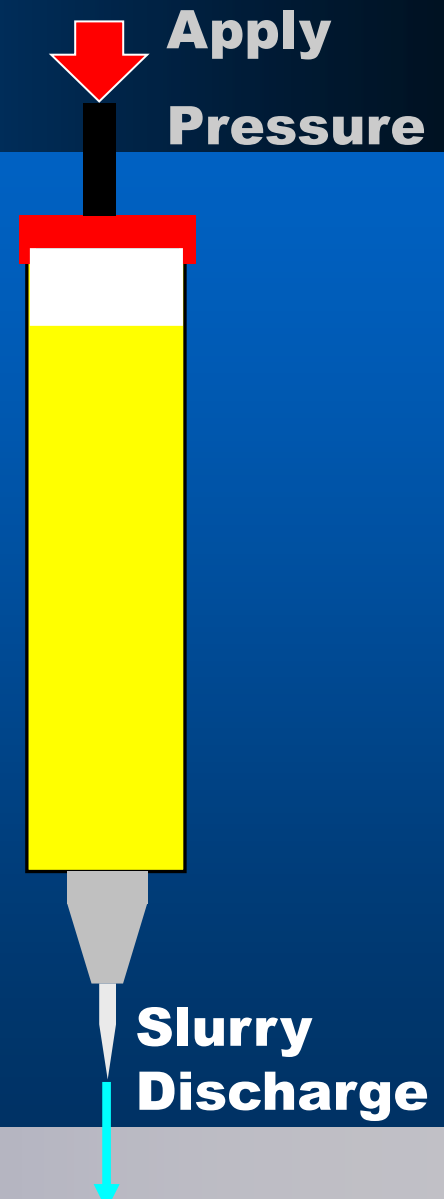
Pump is continuously inhaled air from the top of container to create air bubble, so slurry is dispersing continuously and uniformly.



Design Concept

□ Charging Mode

☞ Slurry is charging during pressure is applied to container

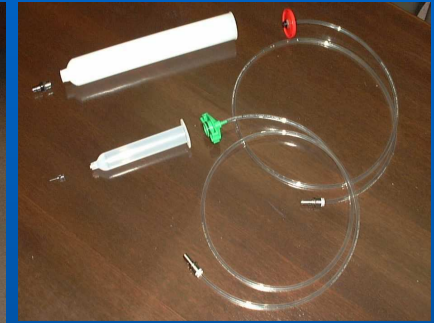


Easy Application



**Nano Dripper can be applied
to any current system
without extra tools and cost**

Machine Price



**Nano Dropper
VP-2401**