

# Micro DeBEE

**BEE** INTERNATIONAL  
NEXT GENERATION HOMOGENIZERS

EMULSIFYING  
CELL RUPTURE  
DISPERSING  
GRINDING



## **Ultra-High Pressure Homogenizer** **Air-operated Benchtop**

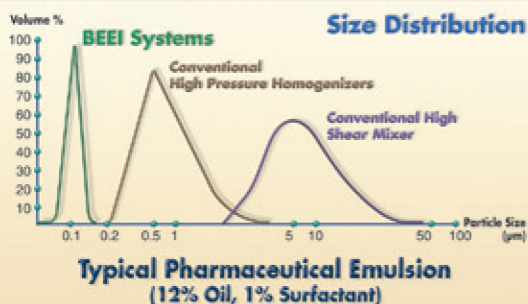
- Cell rupture with the highest yield
- Particle size reduction
- Stable micro / nano emulsions & dispersions
- Guaranteed scalability

***Unmatched Results in Fewer Passes***



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We're experienced with every nuance of high energy product processing. Unlike any homogenizer before, the Micro DeBEE gives you the highest process intensity in the industry and our patented modular homogenizing cell. You now have independent control of pressure, flow, cavitation, impact, shear, and process duration. Now you can fit the machine to your application and get the results you want *fast*.



BEE INTERNATIONAL is dedicated to advancing the technology of homogenization. Our research and development is ongoing, and you can depend on our precision engineering, quality manufacturing and worldwide service for the highest reliability.

**BEE** INTERNATIONAL  
NEXT GENERATION HOMOGENIZERS

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# Micro DeBEE

**The highest processing energy in a bench-top unit for your product formulations!**

An innovation in process equipment, the air operated Micro DeBEE homogenizer combines a variety of mixing tools into one advanced instrument. With unique process setups you can select the intensity and force of mixing parameters:

- Cavitation
- Shear
- Impact
- Pressure
- Back-pressure
- Process duration

Proven to achieve industry leading results for **cell lysis, nano emulsions and dispersions, and particle size reduction:**

- High yield cell lysis
- Extend product stability
- Improve bioavailability
- Tighter particle size distribution

**The Micro DeBEE is:**

- Easy to use and clean
- 100% Scalable
- Air operated, in-line, continuous operation
- Low maintenance costs



## Specifications

Flow Rate: 250 mL /min (15 L / hr or 4 gal / hr)

Operating Pressure: 2,000 - 30,000 psi (150 - 2,000 bar)

Dimensions: 35" x 14" x 18" H (89 x 36 x 45 cm H)

Weight: 80 lb (36 kg)

Drive: Pneumatic

Required Air Supply: Clean, dry air; 0-35oF Dew Point; 57 scfm @ 100 psi

