

Micro DeBEE

BEE INTERNATIONAL
NEXT GENERATION HOMOGENIZERS

EMULSIFYING
CELL RUPTURE
DISPERSING
GRINDING

New Portable
Benchtop Unit



Air Operated Ultra High Pressure Homogenizer with Modular Homogenizing Cell

- Capable of the Highest Processing Intensity
- No Moving Parts in Homogenizing Cell
- Unmatched Results - Size Reduction to Nanometers
- Cell Rupture with the Highest Yield
- Inherently Explosion Proof
- Additional Nozzle Sets Included



CELL RUPTURE
EMULSIFYING
DISPERSING
GRINDING

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.

Contact us for FREE consultation and confidential, no obligation sample testing.

BEE INTERNATIONAL
NEXT GENERATION HOMOGENIZERS

BEE INTERNATIONAL, INC.
46 Eastman Street
South Easton, MA 02375

Phone: 508-238-5558
Fax: 508-238-3860

E-mail: sales@beei.com
Web: www.beei.com

Micro DeBEE

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

The capabilities of the larger DeBEE Homogenizers in a portable, cost-effective unit. Obtain the exact particle or droplet size required with a low D(0.9). Or, disrupt the toughest cells with the highest yield. So advanced, it's actually simple!

- Patented DeBEE modular homogenizing cell with NO moving parts
- Homogenizing cell supplied with alternate nozzles and reactors for a wide range of applications
- Fully adjustable process pressures from 2,000 to 45,000 PSI!
- Compact, air powered bench-top unit - easily portable
- Easy cleaning and maintenance - can be autoclaved
- Proven scale-up to pilot and production rates
- Heat exchanger for chilled water convertible to ice bath
- Sample sizes as small as 10 ml
- Full control of processing energy
- Designed for quiet operation
- Optional PLC for monitoring and data collection

Specifications:

- Continuous flow up to 250 ml/min
- Adjustable operating pressure:
 - a. 2,000 to 30,000 PSI with 90 PSI air supply
 - b. 2,000 to 45,000 PSI with 150 PSI air supply
- Adjustable back pressure: 0 to 5,000 PSI
- Dimensions: 34"W x 14"D x 18"H (865 x 356 x 460 mm)
- Weight: 70 lbs. (32Kg.)



The Micro DeBEE is suitable for a wide applications range in the Pharmaceutical, Biotechnology, Cosmetic, Chemical and Food Industries.

