

DeBEE 2000

BEE INTERNATIONAL
NEXT GENERATION HOMOGENIZERS



Ultra High-Pressure Homogenizer with Modular Homogenizing Cell

- Unprecedented Performance
- Unmatched Results!
- Size Reduction to Nanometers
- Cell Rupture with the Highest Yield
- Handles Abrasive and Viscous Materials

**New Patented
Technology**

CELL EMULSIFYING
RUPTURE
DISPERSING
GRINDING

We're experienced with every nuance of high energy product processing. Unlike any homogenizer before, the DeBEE 2000 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.

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NEXT GENERATION HOMOGENIZERS

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DeBEE 2000

The ultimate development tool and pilot plant homogenizer

Produce the exact particle size required with a low D(0.9). Or, disrupt the toughest cells with the highest yield. ONLY our DeBEE Dual Feed system can process viscous, abrasive or hard materials and incorporate dry powders while avoiding wear.

- PLC Control and monitoring for easy operation
- DeBEE patented modular Homogenizing Cell
- Unique Dual Feed or Dual Jet systems
- Highest process intensity in the industry
- Control over back-pressure
- Continuous process flow and constant pressure
- Easy cleaning and maintenance
- Proven scale-up to production
- Options available for every application
- Full control of processing energy



Specifications:

- Continuous flow up to 1 liter/min
- Adjustable operating pressure: 2,000 to 45,000 psi (290 to 3,100 bar)
- Adjustable back pressure: 0-5,000 psi (0 to 345 bar)
- Power Supply: 3 phase, 50/60 Hz, 220 VAC - 10 HP (7.5 kW)
- Dimensions: 48w x 26d x 48h inches (1220 x 660 x 1220 mm)
- Weight: 650 lbs (540 kg)

The DeBEE 2000 is at work in a wide range of applications in the Pharmaceutical, Biotechnology, Cosmetic, Chemical and Food Industries.



Our patented modular homogenizing cell technology allows the user to configure the cell set up to meet their application needs and processing goals