

BEE INTERNATIONAL
NEXT GENERATION HOMOGENIZERS

New Patented
Technology



DeBEE Production Systems

Proven Production Homogenizers and Systems you can depend on for consistent results... day after day

- Tailored from standard modules to your exact requirements
- Duplicates DeBEE lab scale results with precision
- Unique built-in features keep you up and running
- Computerized control, supervision and maintenance
- Low life-cycle costs

CELL RUPTURE
EMULSIFYING
DISPERSING
GRINDING

We're experienced with every nuance of high energy product processing. Unlike any other homogenizer, BEEI systems give 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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DeBEE Production System

DeBEE production homogenizers and complete systems are proven to deliver identical process and product results to those developed with smaller DeBEE machines at many orders of magnitude larger flow rates. The KEY is our patented DeBEE Homogenizing Cell technology that scales linearly from <250 ml/min to full production rates of 30 liters/min and more. You can depend on DeBEE know-how and our unique production machines to consistently deliver the exact results you need ...production run after production run.

DeBEE Systems are proven RELIABLE in CONTINUOUS OPERATION due to:

- EASY OPERATION with Computerized Control and Monitoring
- BEST RESULTS from Constant Pressure to the Homogenizing Cell
- CONTINUED OPERATION with On-line Spare Intensifier Pump, Dual Seals and Condition Monitoring
- LOW MAINTENANCE with Slower and Fewer Strokes per Minute
- SIMPLE MAINTENANCE with Easy Access and Computer Scheduling
- LOW COST SPARES with Standard Hydraulic Power Units
- EXACT PERFORMANCE with Modular Tunable Homogenizing Cell

DeBEE production homogenizers are assembled from standard, proven modules of our own proprietary design for predictability, assured performance and economy.

**Secure your Competitive Advantage
Produce Unique products FAST, Efficiently and Reliably**

Typical performance ranges:

Model	HP	Operating Pressure (PSI)	Capacity Liter/ Hour
DeBEE 2000P-20/45	20	45,000	120
DeBEE 2000P-20/20	20	20,000	250
DeBEE 2000P-50/45	50	45,000	300
DeBEE 2000P-50/20	50	20,000	650
DeBEE 2000P-100/45	100	45,000	600
DeBEE 2000P-100/20	100	20,000	1300
DeBEE 2000P-200/45	200	45,000	1200
DeBEE 2000P-200/20	200	20,000	2700
DeBEE 2000P-250/45	250	45,000	1500

Options: Explosion-proof, flushing, handling of abrasives, CIP, up-stream and down stream processes and other specific requirements are readily available.

