



The **HC3 & HC3 Plus Microseparator®** are automated coolant filtration and cleaning systems engineered specifically for organic lens processing applications. Fully compatible with pump stations and chip separation systems. Provide continuous coolant conditioning to support stable surfacing operations.

For enhanced facility layout flexibility, the unit is designed for remote installation and can be positioned up to 20 m (65 ft) from the lens generators, helping optimize surfacing laboratory space utilization while maintaining efficient system performance.

Key Benefits

- Maximizes generator throughput through continuous coolant conditioning
- Reduces maintenance requirements and minimizes unplanned downtime
- Self-cleaning centrifuge enables uninterrupted production
- Integrated automatic chip separation improves coolant quality
- Optimized for organic lens manufacturing applications
- Anti-sedimentation tank system reduces sludge accumulation and cleaning frequency
- UL508A-compliant control system construction
- Provides continuous high-pressure coolant supply to the generator
- Automated water makeup, coolant blending, and additive dosing ensure consistent fluid performance
- Alarm management system with downloadable operational data logs for diagnostics and traceability
- Intuitive HMI for simplified monitoring and control
- Automatically maintains coolant volume and concentration within specified parameters

Productivity

- **HC3:** PC/Hi up to 300 lenses/hour & CR up to 200 lenses/hour
- **HC3 Plus:** PC/Hi/CR up to 300 lenses/hour

Supported Generators

- Up to 3

Pump Station

- 1 per generator (required)

Chip Separator with tank

- 1 per generator (optional)

WEIMA briquette press

- 1 TH600 Vario per 2 HC3 microseparator®

Technical Specifications

Lens Materials

- All standard organic materials

Dimensions (w x d x h)

- Tank: 1601 x 801 x 1270 mm / 63 x 32 x 50 inches
- HC3 Centrifuge + Stand: 1454 x 863 x 2324 mm / 57 x 34 x 91 inches
- HC3 Plus Centrifuge + Stand: 1454 x 863 x 2561 mm / 57 x 34 x 101 inches
- Chip Separator Dual / Triple: 1424 x 1016 x 1780 mm / 56 x 40 x 70 inches
- Control Panel: 900 x 304 x 1613 mm / 35 x 12 x 64 inches

Weight

- Tank: 360 kg / 794 lb
- HC3 Centrifuge + Stand: 800 kg / 1764 lb
- HC3 Plus Centrifuge + Stand: 1090 kg / 2403 lb
- Chip Separator: 255 kg / 562 lb
- Control Panel: 110 kg / 243 lb

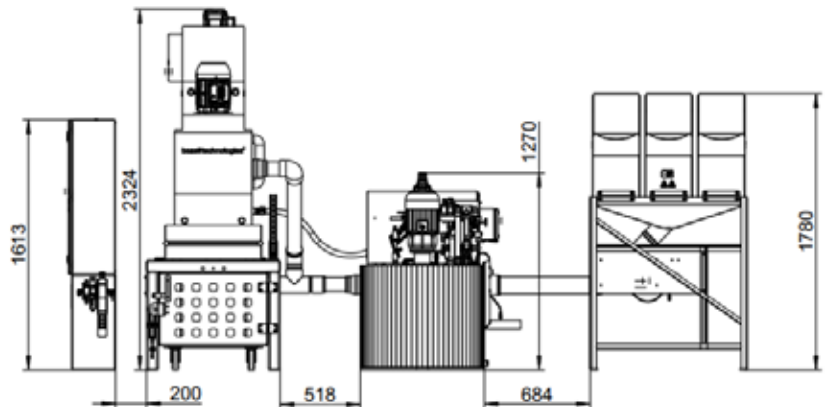
Energy Requirements

- 208-400V; 50/60 Hz; max. 17,9kVA; 3 phase + neutral + ground; Fuse 35A

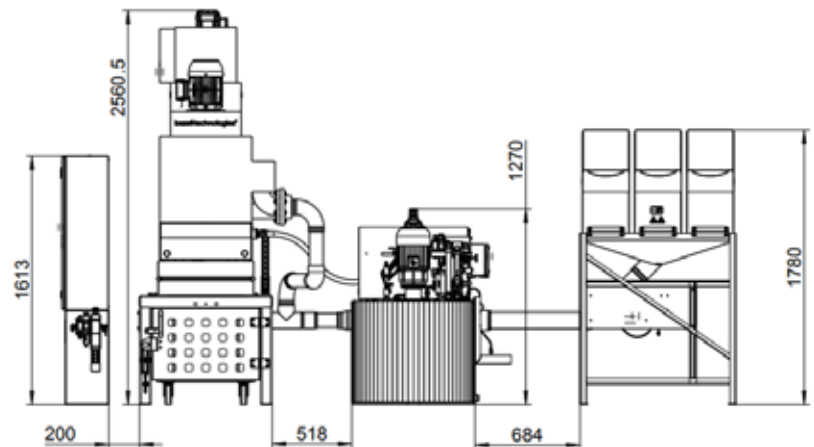
Compressed air

- 6 bar, dried, oil-free, approx. 28 l/min

HC3



HC3 Plus



All technical data subject to change without notice. Verify details with Bazell Technologies