



The **HC6 & HC6 Plus Microseparator®** are automated coolant filtration and cleaning systems engineered specifically for organic lens processing in high-volume manufacturing environments, supporting up to six generators. Fully compatible with pump stations and chip separation systems, they provide continuous coolant conditioning to ensure stable, efficient surfacing operations. Designed for remote installation up to 20 m (65 ft) from the generators, supporting efficient centralized coolant management. The **HC6 Plus Microseparator®** is recommended for labs processing high volumes of CR39® lenses, where continuous coolant conditioning and effective contaminant removal are critical to maintain productivity, coolant quality, and consistent surfacing 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

- **HC6:** PC/HI up to 600 lenses/hour & CR up to 400 lenses/hour
- **HC6 Plus:** up to 600 lenses/hour

Supported Generators

- Up to 6

Pump Station

- 1 per generator (required)

Chip Separator with tank

- 1 per generator (optional)

WEIMA briquette press

- 1 TH600 Vario per 1 HC6 / HC Plus microseparator®
- 1 TH800 Vario per 2 HC6 / HC Plus microseparator®

Technical Specifications

Lens Materials

- All standard organic materials

Dimensions (w x d x h)

- Tank: 1532 x 1534 x 1538 mm; 60 x 61 x 61 inches
- HC6 Centrifuge + Stand: 1454 x 863 x 2836 mm; 57 x 34 x 112 inches x2
- HC6 Plus Centrifuge + Stand: 1454 x 863 x 3073 mm; 57 x 34 x 121 inches x2
- Chip Separator Dual / Triple: 1424 x 1016 x 1780 mm / 56 x 40 x 70 inches
- Control Panel: 1700 x 405 x 1800 mm; 67 x 16 x 71 inches

Weight

- Tank: 1020 kg / 2249 lb
- HC6 Centrifuge + Stand: 990 kg / 1984 lb x2
- HC6 Plus Centrifuge + Stand: 1140 kg / 2513 lb x2
- Chip Separator: 255 kg / 562 lb
- Control Panel: 315 kg / 695 lb

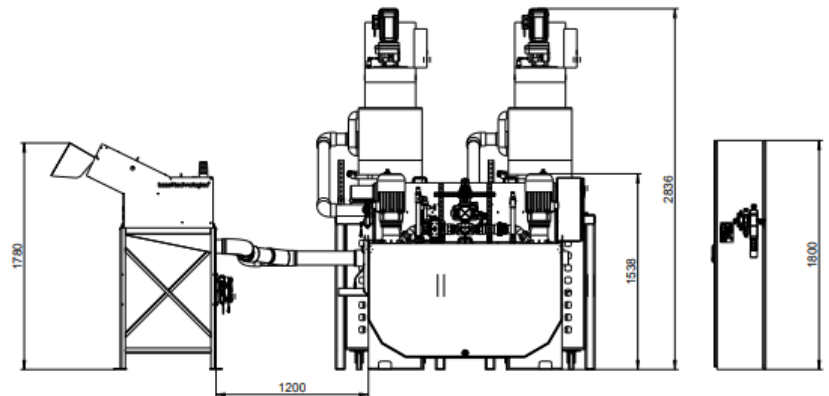
Energy Requirements

- 400-480V; 50/60 Hz; max. 28,4kVA; 3 phase + neutral + ground; Fuse 50A

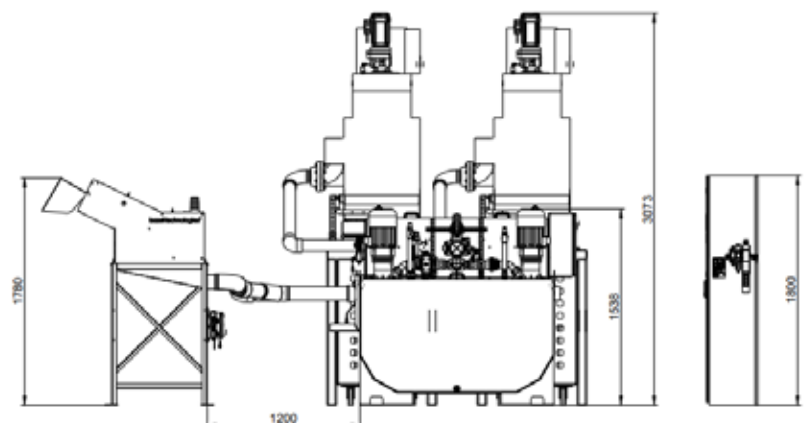
Compressed air

- 6 bar, dried, oil-free, approx. 84 l/min

HC6



HC6 Plus



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