

## CENTRALIZED SYSTEMS

### UNI-P220

COOLANT CLEANING AND SUPPLY FOR: several lens-generating machines (LOH, Schneider, OptoTech, ....)



The UNI-P220 provides a centralized, fully automatic cleaning and treatment system for several machine tools via a central line. Automatic discharge of the separated solids from the centrifuge

allows for treatment of larger quantities of solid material without expensive manual assistance. The UNI-P220 SYSTEM can be located in a separate area, freeing up space around the production machine. Optional equipment is available.

MAX. FLOW RATE:	40 GALLONS PER MINUTE
COOLANTS:	WATER, EMULSION, OIL
SLUDGE:	POWDER FROM ORGANIC & MINERAL LENSES

## CUSTOM SYSTEMS

To meet your unique requirements we offer specialized solutions. Combining our field experience of systems-engineering with HKS' extensive stock of high precision and quality component parts, we are able to deliver solutions for even the most complex applications.



UNIVERSAL PHOTONICS' presents all of HKS' Centrifuges, Separators and Compactors, as part of our extensive line of advanced equipment designed to deliver the latest in chilling, filtering and processing technologies.

Our systems focus on revolutionizing laboratory efficiencies and yielding profitable benefits including reduced operating costs, increased lens quality, and delivering environmental compliance.



**UNIVERSAL PHOTONICS**  
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**THE POWER  
OF INNOVATION  
CLEANING  
TECHNOLOGY  
FOR FLUIDS**



**CENTRIFUGES  
SEPARATORS  
COMPACTORS**



#### UNI-KM 50 MS8014

COOLANT CLEANING AND SUPPLY FOR: One lens-generating machine (LOH, Schneider, OptoTech, etc.) and for 3 - 5 edge treatment machines.



Integrated centrifuge system with compact footprint that reliably separates even particles perceivable only by microscope and circulates clean liquid back into the tank.

TOTAL VOLUMETRIC CAPACITY: APPROX. 60 GALLONS.

MAX. FLOW RATE: 15 GALS/MINUTE

COOLANTS: WATER, EMULSION, OIL

SLUDGE: ORGANIC (POWDER) & MINERAL GLASS



#### UNI-MR 120 MS8030

COOLANT CLEANING AND SUPPLY FOR: 1 or 2 lens-generating machine(s) (LOH, Schneider, OptoTech, etc.) and for 10 - 12 edge treatment machines.

Mode of operation similar to UNI-KM 50 with higher performance ratings.



TOTAL VOLUMETRIC CAPACITY: APPROX. 150 GALLONS

MAX. FLOW RATE: 30 GALS/MINUTE

COOLANTS: WATER, EMULSION, OIL

SLUDGE: ORGANIC (POWDER) & MINERAL GLASS

## COMPACT DUAL PROCESSORS CENTRIFUGE + COMPACTOR

#### UNI-KP 60 SINGLEZ MS8012

COOLANT CLEANING AND SUPPLY FOR: One lens-generating machine (LOH, Schneider, OptoTech, etc.)



Compact system with cutter and compactor for plastic chips and centrifuge for separation of very fine solid particles. Coolant from the machine tool flows through the press where long chips are cut up and compressed. The coolant is then carried into the centrifuge where even the most minute-sized, solid particles are separated. The clean liquid flows into the system's storage tank and is supplied onto the machine tool. Our CHILLMATE cooling units and/or other equipment are available for optional installation.

MAX. FLOW RATE: 15 GALS/MINUTE

COOLANTS: WATER, EMULSION, OIL

SLUDGE: CHIPS & SMALLER AMOUNT OF POWDER FROM ORGANIC LENSES

#### UNI-KP 60 TWINZ MS8010

COOLANT CLEANING AND SUPPLY FOR: 1 - 2 lens-generating machine(s) (LOH, Schneider, OptoTech, etc.)



Similar in construction and operation to the SINGLEZ, the TWINZ includes two centrifuges to treat larger quantities of fine solid particles. Its larger size allows longer periods between emptying the centrifuge insert, and the TWINZ will continue to operate on one centrifuge while the other is being discharged of solids.

MAX. FLOW RATE: 15 GALS/MINUTE

COOLANTS: WATER, EMULSION, OIL

SLUDGE: CHIPS & POWDER FROM ORGANIC LENSES

#### UNI-KP 60 MS8000

PLASTIC CHIP CUTTING AND COMPACTING FOR: the new generation of lens-generating machines (LOH Vpro, Schneider HSC 100, etc.)



The UNI-KP 60 CUTTER AND COMPACTOR connects directly to the machine tool. Coolant flows directly into the chips press where long plastic chips are cut and compressed, dramatically reducing waste volume.

Residual liquid is collected and pumped back to the central collecting tank.

MAX. FLOW RATE: 15 GALS/MINUTE

COOLANTS: WATER, EMULSION, OIL

SLUDGE: CHIPS FROM ORGANIC GLASS

