HKS Cleaning System KP 60 – SingleZ

Coolant cleaning system for 1 lens generator
Consisting of:

1 HKS Cleaning Centrifuges KM 50

1 Plastic Compactor KP 60

1 Tank 275 l capacity of stainless material, split into collecting tank 125 l capacity for the medium pre-cleaned by the plastic material press
and clean tank 150 l capacity for taking in the medium
cleaned by the centrifuge

1 Submersible Pumps,
for supply of the machine-tool,
installed in the clean part of the system

1 Submersible Pumps,
for supply of the centrifuges,
installed in the collecting tank of the system

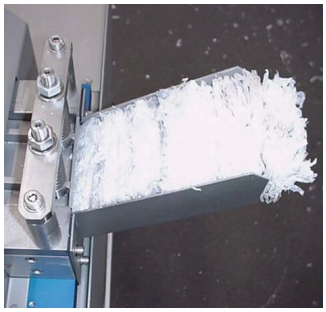
1 Electrical Control Unit
in attached switchboard,
for the operation of the system

Operating voltage 400 volts, 3 phases, 50 hertz

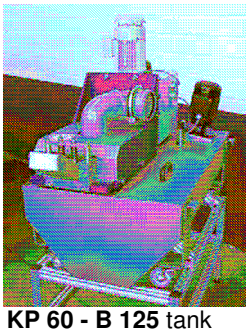
Finish:
Centrifuge acc. to RAL 7035 light grey, powder-coated,
Aluminium parts on the plastic compactor grey eloxated,
Tank stainless steel and stained,
Switch board acc. to RAL 7035 light grey

Equipment for Separation, Cutting up and Compressing of Plastic Material Chips

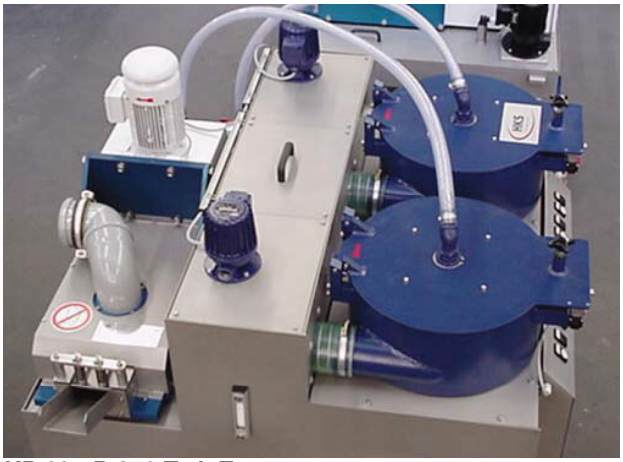
In the field of optical lenses there has been a significant change in the past few years with regard to the employed materials. Whereas in the past the prevailing part of the processed lenses was of Silicate today an increasing number of different plastic materials is employed.
The very fine solid particles
resulting from the processing of silicate and CR 39 are separated reliably by the cleaning centrifuges employed in the HKS systems.
However, when high fraction plastic material and Polycarbonate are used chips are produced which so far could be separated only unsatisfactorily or involving great manual effort with the equipment available.
For this application HKS have now developed the optimum solution: an equipment which is connected directly to the coolant outlet of the treatment machine and separates the chips produced.
Plastic material press KP 60 cuts up the chips and compresses them to ten percent of their original volume. The pre-cleaned liquid is then supplied onto a centrifuge or an existing central treatment system for precision cleaning.
The equipment can easily be connected to machines that process different materials.
The advantages of such an equipment are obvious: the plastic material press requires considerably less space than the filter equipment or conveyor systems used so far, there is practically no loss of coolant and there is no need for a costly manual handling of the chips.



Only 10 percent of the original volume left:
Polycarbonate chips in the KP 60 ejector



KP 60 - B 125 tank
Plastic material press with collecting



KP 60 - B 250 TwinZ:
complete treatment system for two processing machines with plastic material press KP 60 and two centrifuges KM 50.