

# TECHNICAL DATA SHEET

## **LUBRISPIN 30** **MOBILE FLUID CENTRIFUGE**



### ***Applications***

- Cleaning of cutting fluids from chip spinning processes
- Cleaning of cutting fluids present inside the machine tool tanks

### ***Benefits***

- Clarification of <10 microns
- Holds approx. 4 Litres or 9-23Kg of solids
- Handles a wide range of coolants/oils
- No filter media to dispose of
- Low investment and operating costs
- Very reliable
- Fast processing of coolant 30L/min

### ***Operation***

Lubrispin 30 Direct Drive Mobile Centrifuge has a single rotor clarification and is suitable for maximum flow rates of 30 Litres per Minute of your specified oil. The Centrifuge is mounted on a robust mobile frame complete with a suction pump and 5 Metre long suction Lance / hose with strainer and 5m delivery hose. Hoses are supplied with quick release couplings and plugs.

The Lubrispin 30 Clarifier is fitted with a push button starter connected to a solid state, electronic braking device, complete with lidlock, which ensures that the lid of the clarifier cannot be lifted before the brake is applied and the clarifier cannot be restarted with the lid in the open position, due to the automatic lidlock. This conforms to the Health & Safety at Work Act.

Clarification down to less than 10 microns is possible and disposal of the coolant contaminant is made easier by the use of a long life removable bowl liners. The liner holds approximately 4000cc s of debris which allows sludge cake of 9-23 Kgs to be built up depending on the nature of the foreign matter.

Contaminated coolant is pumped into the inlet connection on the lid of the Centrifuge from the mounted centrifugal suction pump. The dirty liquid enters the top of the rotor assembly and is deflected by the centre cone towards the base of the rotating bowl. Centrifugal force acts upon the dirty coolant, packing the contaminant into a cake against the wall of the rotor liner. The clarified liquid overflows through the hole in the top of the vane assembly and drains by gravity back into the suction of a clean return pump which is mounted on the mobile frame.

Please note that the pumps supplied cannot be run dry and require constant flow.

The unit would be finished sprayed in your required RAL colour .

Supply includes a 5 Metre long power cable and plug suitable for an electrical supply of 110V 50 Hz single phase or 415V 50 Hz 3 phase.