

DE BEERS GROUP

TECHNOLOGY

CDUV 118 Osprey – Ultra Violet diamond Scavenging Sorter

APPLICATION

Free fall UV diamond scavenging sorter, single pass, single input. Final processing of tailings from re-concentration processes like X-ray recon, sort house glove boxes, SPS, etc. Material size range (-16mm + 1mm) split at appropriate ratio and feedrates. Material feed application dry. Feasible grease replacement technology.

FEATURES AND SPECIFICATIONS

- Robust air ejector system
- Modular, compact robust and ergonomic design
- Split cabinet design – separate process and service compartment for enhanced security
- Single network interface for control and information
- Full maintenance support
- User friendly menu driven OTI and HMI
- Tracer catch trays for tracer tests
- Multiple machine control with wireless tablet



LoVol

Size range (mm)	Feedrate (kg/hr)
-4 + 1	90
-8 + 4	180
-16 + 8	360

BENEFITS

- Optimum diamond scavenging with minimum gangue material at high feedrates and relative low yields
- Possible applications in other UV fluorescent minerals, e.g. rubies
- Spillage free
- Operator and maintenance friendly
- Complete operator safety
- Low operating costs
- Low Capex
- Complimentary technology to X-ray sorting



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