

DE BEERS GROUP

TECHNOLOGY

CDX 118CD and CWX 118CD — Single or Dual Wavelength X-ray Sorters

APPLICATION

Free fall, X-ray sorter, single pass, single input, Primary and Secondary bulk recovery; Re-concentration; Material size range (-32mm + 1mm) split at appropriate ratio and feedrates. Material feed application wet or dry.

FEATURES AND SPECIFICATIONS

- Eight channel photo multiplier detection system (single or dual wavelength options available)
- Manual or automated inlet chute gate options available
- Robust air ejector system
- Modular, compact, robust, ergonomic design (left and right hand variants available)
- Split cabinet design – heat exchanger cooled X-ray generator and power supply compartment
- Separate control and service panel configuration
- Single network interface for control and information
- Full maintenance support
- User friendly menu driven OTI and HMI
- Tracer catch trays for tracer tests



Maximum Throughput Capacity

Size range (mm)	Maximum feedrate (kg/h)
-2+1	825
-4+2	1275
-8+4	2100
-16+8	3450
-32+16	4500
Channel	8
Material size range	-32mm to +1mm

Wet or dry process

BENEFITS

- Maximum diamond recovery with minimum gangue material at high feedrates
- Spillage free; low yields
- Self-testing and on-line calibration
- Operator and maintenance friendly
- Complete operator safety due to improved features
- Low operating costs

Compact sorting modules can be configured for higher throughput and/or double pass as required.



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