

DE BEERS GROUP

IGNITE™

CDX 2216CD and CWX 2216CD MK2 Dual Wavelength X-Ray Sorter

APPLICATION

Free fall, X-Ray sorter, two passes, single input, primary and secondary bulk recovery in one unit. Material size range (-32mm + 1mm) split at appropriate ratio and feedrates. Wet or dry material feed applications.

FEATURES AND SPECIFICATIONS

- Eight channel photo multiplier detection system per pass (single or dual wavelength options available)
- Automated inlet chute gate
- Automated detector window indexing mechanism (Dry only)
- Eight channel robust air ejector system per pass
- Compact, robust, ergonomic design
- Compartmentalised cabinet design - heat exchanger cooled HT generator, electrical, maintenance and process compartments
- External tracer catch trays for tracer tests
- Process/security camera above each feed tray
- Simplified wiring and maintenance using ASI technology
- Fully integrated control system
- Network interface for control, information and remote access/diagnostics
- User friendly menu driven OTI
- Full maintenance support



For more information contact De Beers Group IGNITE™
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ADVANTAGES OF USING A CDX 2216CD and CWX 2216CD MK2 MACHINE

- Simpler site installation (technical and maintenance)
- Reduced number of external services terminations (technical)
- No external chute work between the primary and secondary machines when using single pass machines (security and reduced maintenance)
- No external services panel (safety and reduced maintenance time)
- All machine services terminated on the machine cabinet (simpler and contained system)
- Lighting in all electrical and machine services compartments (safety and maintenance)
- Side mounted step used for adding tracers into the machine (safety)
- Onboard PLC to control both X-ray passes in the machine (technical)
- One PC based touch screen to access both X-ray passes in the machine (technical)



(CDX 118CD and CWX 118CD MK2 machine advantages are also found on the CDX 2216CD and CWX 2216CD MK2 machine)

Maximum Throughput Capacity

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

BENEFITS

- Compact two pass unit
- Maximum diamond recovery with minimum gangue material at high feedrates
- Spillage free. Low yields
- Self-testing and on-line calibration
- Operator and maintenance friendly
- Advanced safety features
- Low operating costs
- Remote access



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