



CDX 2216CD and CWX 2216CD MK2 DUAL WAVELENGTH X-RAY SORTERS

APPLICATION

CDX/CWX 2216CD MK2 are free fall, X-Ray sorters, two passes, single input, primary and secondary bulk recovery in one unit machines. Material size range (-32mm + 1mm) split at appropriate ratio and feedrates. Can be utilized in both 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



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 (Total)	16
Material size range	-32mm to +1mm

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BENEFITS OF THE CDX 2216CD and CWX 2216CD MK2

- ▶ Compact two pass unit, reducing plant footprint
- ▶ 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

ADVANTAGES OF USING A CDX 2216CD and CWX 2216CD MK2

- ▶ 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

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