



## CDX 118CD and CWX 118CD MK2 DUAL WAVELENGTH X-RAY SORTERS

### APPLICATION

Free fall, X-ray sorter, single pass, single input, Primary bulk recovery; and Re-concentration applications; 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*

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## DUAL WAVELENGTH X-RAY SORTERS



### BENEFITS OF THE CDX 118CD and CWX 118CD MK2

- ▶ A smart Ascii bus safety and operational system (technical)
- ▶ Improved fault and alarm reporting system (technical)
- ▶ A simplified and ruggedized machine cabinet design for both simpler and easier machine maintenance (technical)
- ▶ Provision of more information for machine interrogation (technical)
- ▶ Single phase 220 Volt single power requirement versus the previous 400Volt 3 phase (technical and safety)
- ▶ An enhanced X-ray system design – reduction in weight and size (safety and reduced maintenance task time)
- ▶ Simpler plant integration design (technical)
- ▶ Removal of the gateway control cabinet (simpler system and reduced maintenance)
- ▶ On board PLC for simpler machine interfacing to the plant control system (simpler design)
- ▶ Remote machine diagnostics interrogation (technical support)
- ▶ 24 hour call center support (Faster maintenance question response)
- ▶ Digitalization opportunities (future)
- ▶ PC based high definition touch screen on board the machine with added functionality (technical)
- ▶ Additional metallurgical information and simpler machine set up options (Information)
- ▶ Improved maintenance and repair ergonomics (technical and support)
- ▶ Reduced number of purpose made components and simplified wiring where possible (ejector driver PCB and certain connector systems)
- ▶ Improved calibration jig design (machine availability advantage)
- ▶ The inlet chute is removable without removing the Autogate assembly (reduced maintenance task time)
- ▶ Internal feeder camera (security)
- ▶ Removal of the feeder can be done from the rear of the machine without removing any top mounted assemblies (reduced maintenance task time)
- ▶ On the CDX118CD dry machine only, a new lens cleaning system (maintenance)
- ▶ Advance thermal monitoring of the X-ray tube (safety)
- ▶ Lighting in the communication cabinet (safety)

### CONTACT US

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