

DE BEERS GROUP

IGNITE™

BDT 1122 — XRT Re-Concentration Sorter

APPLICATION

Re-concentration sorting of diamondiferous material using X-ray transmission technology. Material size range (-32mm + 2mm). Dry material feed application.

FEATURES AND SPECIFICATIONS

- Dual Energy XRT detector
- Robust air ejector system
- Full maintenance support
- User friendly menu driven control interface
- Tracer catch trays for tracer tests
- Provides online carat estimates and stone count values
- All diamond types are recovered, low luminescent, type II, yellow, bort, etc.
- Built-in diamond security design



Re-concentration

Size range (mm)	Maximum feedrate
-4+2:	*25 kg/h
-8+4:	50 kg/h
-16+8:	100 kg/h
-32+16:	150 kg/h

* Throughput to be determined by test work

BENEFITS

- Maximum diamond recovery with minimum gangue material at high feedrates
- Spillage free
- Calibration and self-testing
- Operator and maintenance friendly
- Complete operator safety due to improved features
- Low operating costs
- Detector life extension protection



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