

DE BEERS GROUP

TECHNOLOGY

BWT1186 — High Throughput Coarse XRT Sorter

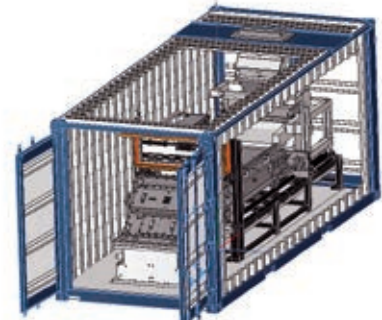
APPLICATION

On belt detection X-ray Transmission (XRT) sorter. Coarse DMS replacement. Dewatered material feed size range (-75mm + 8mm). Dry material application (-75mm + 6mm). The technology may have applications in other mineral separation such as coal, etc.



FEATURES AND SPECIFICATIONS

- Dual Energy XRT detector
- Robust air ejector system. Top-down or bottom-up
- Containerised with services container for easy deployment
- Full maintenance support and remote diagnostics
- 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



Maximum Throughput Capacity:

Size range (mm)	Maximum feedrate (ton/h)
-8 + 6	17
-16 + 8	38
-25 + 16	70
-32 + 25	112
-50 + 32	140
-75 + 50	200

BENEFITS

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



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