

# DE BEERS GROUP

IGNITE™

## XRT Coarse Concentrator Plus

### APPLICATION

On belt detection X-ray Transmission (XRT) sorter. High capacity 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, iron ore, etc.

### FEATURES AND SPECIFICATIONS

- Dual Energy XRT detector
- Robust air ejector system
- Self contained services 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
- Yield <0.005%



### Maximum Throughput Capacity:

Size range (mm)	Maximum feedrate (ton/h)
-8 + 6	42
-16 + 12	84
-25 + 16	140
-32 + 25	224
-50 + 32	280
-75 + 50	400

Recommended size ratio  $\leq 3:1$

### 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
- Low operating costs
- Ruggedised for remote applications



For more information contact De Beers Group IGNITE™  
Cnr Crownwood and Booyens Reserve Roads, Theta, Johannesburg, 2013  
Tel: +27 11 374-7333 Fax: +27 11 374-5333 E-mail: debtech@debeersgroup.com  
<https://ignite.debeersgroup.com>