

Consulmet Sorting Solutions

DMS

Consulmet DMS plants can be used for processing of any minerals that can be separated based on a difference in density between the target product and the host ore e.g. diamonds, coal, iron ore, copper and base metal pre-concentration. The Consulmet DMS units incorporate the latest innovations in DMS plant design resulting in improved diamond recovery efficiencies, ferrosilicon recovery and ease of operation and maintenance. The largest modular installation supplied to date by Consulmet is the 450 tph DMS plant with integrated catch sump at a Coal mine situated near Delmas in South Africa.



The Consulmet range of standard modular DMS modules are:

- 2TPH 10TPH 20TPH 30TPH
- 50TPH 65TPH 75TPH 100TPH
- 132TPH 150TPH 200TPH 450TPH

SPS

The SPS can best be described as a “little machine filling a huge gap”. The sorter can separate diamonds singularly and efficiently down to micro diamond size, re-concentration -6mm primary x-ray concentrates @ R25kg/hr and be utilised to obtain multiple diamond luminescence intensity records.

HANDS OFF AND ON SITE!

Attributes are:

- | | |
|--|-------------------------|
| <i>SIMPLICITY</i> | <i>PRODUCT SECURITY</i> |
| <i>SUPERIOR RECOVERY EFFICIENCY</i> | <i>AFFORDABILITY</i> |
| <i>RESTRICTED TO ADJUSTABLE SETTINGS</i> | <i>RELIABILITY</i> |
| <i>MINIMAL WEAR PARTS</i> | |



XRT

Consulmet is licenced to provide this sensor-based technology which optimises the way we handle the world’s precious resources. The sorters provide consistent efficient separation at high throughput rates with excellent plant availability. Some sensor technologies can be applied in almost all weather conditions; wet or freezing conditions do not affect the sorting efficiency. The additional benefit is that no or only little water is required for the function of this machine. Recent finds with the XRT machine have recorded superb results as per the diamond in the picture recovered in Sierra Leone.



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