



APPLICATIONS

For Pre-Concentration and Concentration of:

- | | |
|------------------------------|-----------------------------------|
| Metals, oxides and sulphides | Industrial minerals and silicates |
| ■ Antimony | ■ Barytes |
| ■ Bauxite | ■ Coal |
| ■ Chromite | ■ Diamond |
| ■ Copper | ■ Feldspar |
| ■ Gold | ■ Fluorspar |
| ■ Iron | ■ Limestone |
| ■ Lead | ■ Phosphate |
| ■ Manganese | ■ Potash |
| ■ Nickel | ■ Quartz |
| ■ Tin | ■ Petalite |
| ■ Zinc | ■ Spodumene |

KEY ADVANTAGES

High separation efficiency

Large feed top size capacity

High throughput capacity

Direct feed

- By conveyor belt, vibrating screen or feeder
- No pumping of feed solids, only medium is pumped

Multi-stage separation

- Rougher/scavenger, rougher/cleaner DMS duties
- High sinks capacity
- Sink products may be combined or separated

Sepro pre-engineered DMS Plants

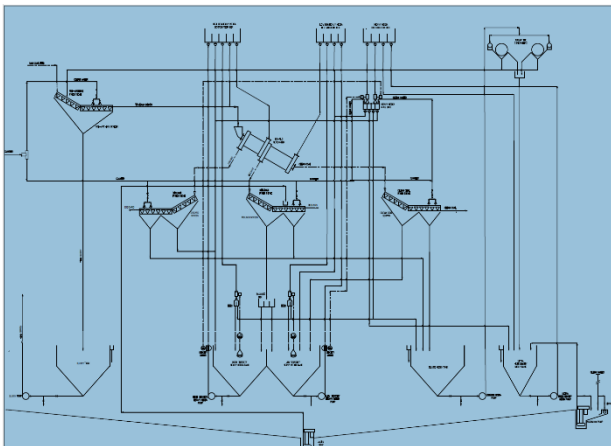
- Fast delivery
- Custom and transportable
- Rapid start of production
- Commissioning and training

THREE PRODUCTS TRI-FLO SEPARATOR

The dynamic, multi-stage Dense Medium

Separator gives CWP a leading position in advanced Dense Medium Separation (DMS) technology. A minimum of two separation stages are inherent in a CWP - DM Separator, resulting in high separation efficiency in rougher/scavenger or rougher/cleaner DMS applications. DMS is typically used in a pre-concentration duty prior to processing or milling to reject barren material and reduce downstream costs.

CWP supplies customizable and transportable DMS Plants for a wide variety of application requirements. CWP standard two product (concentrate, tailings) DMS Plant utilizes a two stage CWP Separator and single density medium circuit, while the three product (concentrate, middlings, tailings) DMS Plant utilizes a three stage Condor Separator and two medium circuits at high and low density. The Separator is simple and easy to feed, usually by a conveyor belt or from a vibrating screen. Abrasive or friable ore is not pumped resulting in reduced power requirements, equipment (pump, DM separator, piping) maintenance costs and reduced ore breakage and fines generation. The compact DM Separator makes it possible to convert a conventional two product DMS cyclone installation into a three product operation.



TRI-FLO HEAVY MEDIUM SEPERATORS

STANDARD DMS SIZES

SEPARATOR SIZE mm	FEED CAPACITY* tph	MAX FEED PARTICLE SIZE mm	OVERALL LENGTH mm (approx.)	WEIGHT Kg (approx.)
TFS 250	10 – 30	20 – 25	2450	650
TFS 300	30 – 50	30 – 38	2850	1250
TFS 400	50 – 80	40 – 50	3250	1850
TFS 500	80 – 120	60 – 75	3300	2550
TFS 600	120 – 170	70 – 88	3940	3775
TFS 700	170 – 230	80 – 100	4580	5000
TFS 900	230 – 300	100 – 120	5680	6310
TFS 1200	300 – 400	120 – 150	7430	7200

*Separator duty and capacity to be confirmed by CWP.



CWP COAL WASHING PLANT CO.

info@cwpc.com.tr www.cwpc.com.tr