



**Mineral
Technologies**
A Downer Company

Electrostatic Separators

Designed and manufactured by Mineral Technologies, the Carrara electrostatic range separates dry, free flowing materials.

Equipment Range

- Electrostatic Plate and Screen Plate
- High Tension Roll

Carrara Electrostatic Separators



Plate and Screen Plate Electrostatic Separators

Supplied with five stages of separation internally configured for non-conductor re-treatment. Laboratory scale separators also available.

Features

- Independently adjustable electrode systems
- Feed control options
- Proprietary feed roller
- Electro/pneumatic feed gate control systems for each unit start with feed slides for feed rate control
- Three undercarriage product receivable chutes
- Lockable doors for operator safety
- Completely dustproof enclosures

Applications

Separation of titaniferous mineral sands, hard rock ilmenite and rutile, cassiterite, tantalite, wolframite, iron ore, plastics from metals in waste recycling systems and PVC from other plastics.

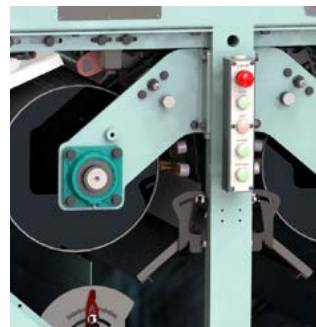


High Tension Roll Separator (HTR)

Supplied with either two or three roll stages for non-conductor cleaning, conductor cleaning, or middlings re-treatment, HTR rolls are available in 270mm and 400mm diameter models. Laboratory scale units are also available.

Features

- Lightweight, thermally stable composite induction electrodes for long life
- Super non-conductor splitter for ultra clean zircon
- Glassless electrode technology
- Labyrinth sealed, long life, maintenance free bearings
- Individual inspection doors to limit heat loss



- Internal splitter system accommodates middlings, conductor of non-conductor retreat without chute changes
- Removable roll cassette for ease of maintenance
- Full dust enclosures incorporating mesh doors permit inspection without compromising operator safety
- Machines are designed to fit previous generation machine footprints
- Suitable for PLC control systems

Applications

Separation of titaniferous mineral sands, hard rock ilmenite and rutile, cassiterite, chromite, tantalite, wolframite and iron ore.

