

CELEBRATING

150
YEARS

established 1864



Separation Technology

“From its very beginnings in the mid-19th century, Broadbent has led in process separation excellence. Originally designed and manufactured to support Yorkshire’s Flourishing textile industry, Broadbent centrifuges now deliver innovative separation solutions for clients in the chemical, mineral, pharmaceutical, sugar and sweeteners, laundry, processing and geotechnical industries worldwide.”

SOLID BOWL DECANter CENTRIFUGES

DEWATERING APPLICATIONS: Salts, Salt Tailings, Potash, Nitrates and Fertilizers, Frac Sand, Coal, Lithium and Battery Metals, Hydroxides, Base Metals, Mine Tailings, Calcium Carbonates, Kaolin Clays, Titanium Dioxide, Barite, Zinc Sulphate, Aluminium Hydroxide, Organic or Acid Crud, Oil Sludge, Oil Sands, Bio Fuels, Coal or Carbon Fines, Mica, Borates, Drill Mud, Uranium, Rare Earths, Caustic Soda, Chemicals

CLASSIFICATION APPLICATIONS: Calcium Carbonate, Kaolin Clays, Precious Metals

CCD CIRCUITS: Replacing thickeners

Higher Capacity (Nominal over 90 metric tph–process dependent)

- Fewer machines and circuits
- Lower installed cost
- Fewer operational losses (one machine can frequently handle up to 75% feed increase when needed)
- Lower cost per ton energy consumption
- Very low product moisture due to high G design
- High recovery of solids
- Very efficient classification cuts

HIGHER RELIABILITY

- Longer life between shutdowns
- Fewer repairs
- More online production
- Capable of wide variations in feed characteristics including PSD, concentration, and turndown

LONGEST LIFE – Process Defined Materials of Construction

- Carbon Steel, Stainless Steel, Duplex, Super Duplex, and Super Alloys Including and not limited to 904L, Hastelloy, Ni-200, Titanium, Ceramic, Tungsten Carbide



SCREEN BOWL DECANTER CENTRIFUGES

APPLICATIONS:

Salts, Potash, Soda Ash / Trona, Frac Sand, Coal, Lithium, Sulfates, Borates, Battery Recycling



HIGHER CAPACITY

(Nominal over 130 metric tph – process dependent)

- Fewer machines and circuits
- Lower installed cost
- Fewer operational losses (one machine can frequently handle up to 75% feed increase when needed)
- Lower cost per ton energy consumption
- Very low product moisture due to high G design
- High efficiency product wash

HIGHER RELIABILITY

- Longer life between shutdowns
- Fewer repairs
- More online production
- Capable of wide variations in feed characteristics including PSD, concentration, and turndown

LONGEST LIFE – Process Defined Materials of Construction

- Carbon Steel, Stainless Steel, Duplex, Super Duplex, and Super Alloys Including and not limited to 904L, Hastelloy, Ni-200, Titanium, Ceramic, Tungsten Carbide

BATCH PEELER CENTRIFUGES

DEWATERING APPLICATIONS:

Lithium and battery Metals, Hydroxides, Gypsum, Calcium, Carbonates, Borates, Drill Mud, Uranium, Rare Earths, Nitrates and Fertilizers, Chemicals

CLASSIFICATION APPLICATIONS:

Calcium Carbonate, Kaolin clays, Precious Metals



HIGHER CAPACITY

- Fewer machines and circuits
- Lower installed cost
- Fewer operational losses (one machine can frequently handle up to 75% feed increase when needed)
- Lower cost per ton energy consumption
- Very low product moisture
- High recovery of solids
- Intensive product wash


HIGHER RELIABILITY

- Longer life between shutdowns
- Fewer repairs
- More online production
- Capable of wide variations in feed characteristics including PSD, concentration, and turndown

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 Thomas Broadbent
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