

INTRODUCTION

WHO WE ARE AND WHAT WE CAN DO?

Particle Separation Systems (PSS) is a Gauteng (South Africa) based company which has developed a unique series of innovative technologies.

The Company was formed in 1997 with the invention of the Pansep Screen, which through unfortunate events was discontinued. In 2002 the company was renamed Particle Separation Systems Technologies and concentrated on developing new technologies which were sponsored by Anglo American Corporation, Anglo Coal and De Beers Diamonds.

THE DIRECTORS

Werner Altmann
(BSc Design Engineering)

Reindert Buisman
(HNDT Ext Metallurgy)

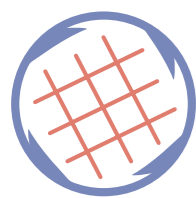
Although our main focus is not in mineral recoveries, our technologies are adaptable to several industries including chemical, pharmaceutical and waste water treatment.

OUR EXPERIENCE AND TECHNOLOGIES ARE USED IN THE FOLLOWING FIELDS:

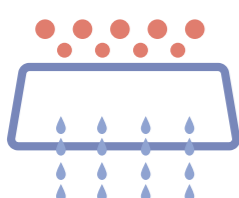
- Gold and Platinum Screening and Ultrafine Grinding
- Coal and Iron Ore fines Agglomeration and Drying
- Graphite Screening and Defoliation Processes
- Lithium Screening, Dewatering and Ultrafine Grinding
- Heavy Media HMS & DMS Circuit Screening
- Zinc and Lead Concentrates Screening Filtration and Drying
- Mineral Sands Dewatering, Screening and Drying
- Sludge Pasteurisation Processes

WE SPECIALIZE IN THE FOLLOWING PROCESSES:

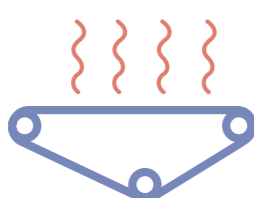
SCREENING



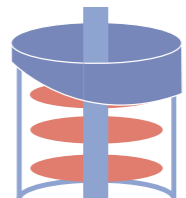
FILTRATION



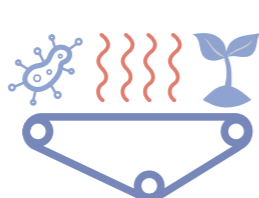
DRYING



ULTRA FINE MILLING



PASTEURISATION



WORLDWIDE AGENTS



CONTACT INFORMATION

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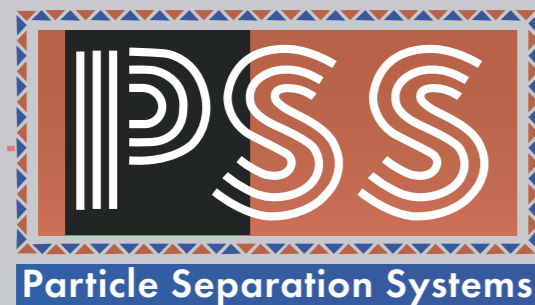
Particle Separation Systems

COMPANY PROFILE



Innovation through Divergent thinking

OUR ENTITIES



PSSM

Particle Separation Systems Milling is the OEM of Commett UFG – Ultra Fine Grinding Technology

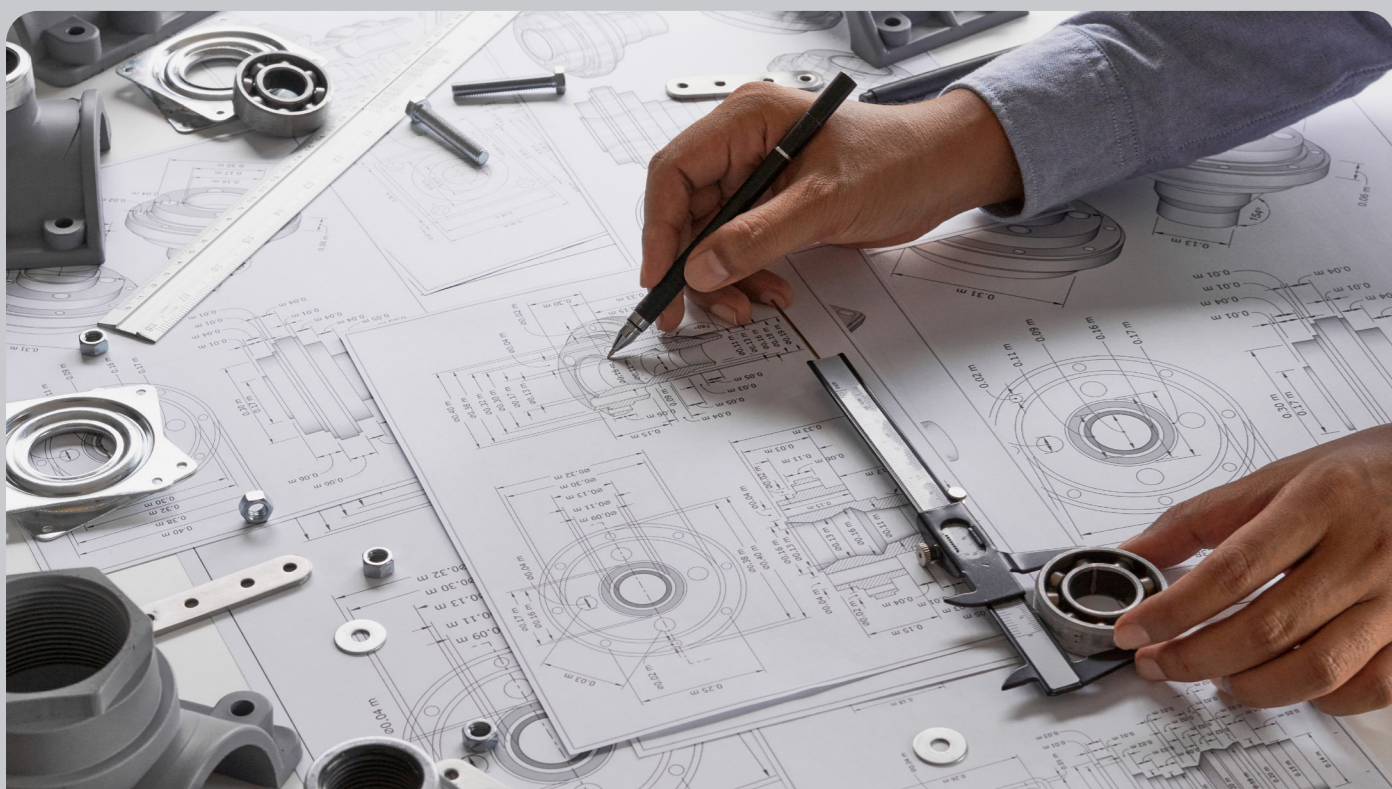
PSST

Particle Separation Systems Technologies designs, develops and manufactures Screening, Filtration and Drying Technologies

PSSL

Particle Separation Systems LaDePa (Latrine Dehydration and Pasteurization) Developing green solutions for the waste and effluent industry

PSS has a fully equipped laboratory for all screening, filtration, drying and ultra fine milling test work.



OUR TECHNOLOGIES

PARSEP LINEAR SCREENS



- Trash removal applications
- Compact economical design
- Positive cloth bending only
- Light weight rollers
- Pneumatic cloth tensioning
- Robust design



PARSEP ROTASPIRAL SCREEN



- Sizing and trash removal applications
- Compact and Light weight design
- High throughput
- Efficient screening
- Low maintenance



PARSEP HORIZONTAL BELTFILTER



- Dewatering and leech-wash applications
- Pneumatic vacuum box lift
- German made carrier belts
- High vacuum levels
- Delkor & Filtres Philippe designs



PARSEP STEEL BELT FILTER



- Dewatering and leech-wash applications
- Patented unsupported filter media
- No heavy carrier belt
- Niche filtration duties
- Affordable
- No expensive ancillaries



OUR TECHNOLOGIES

PARSEP STEEL BELT DRYER



- Medium Wave Infrared gas or electric drying
- Mechanical and Thermal dual action drying
- No Dust filtration
- No vibration
- Efficient and Economical
- Low maintenance
- Instant production



COMMETT UFG MILLS



- Vertical Micronizing Bead Mills
- Robust design
- Micronizing and fine grinding
- Patented impeller design
- Split barrel
- Economical



LaDePa PASTEURISATION TECHNOLOGY



- Patented Extrusion and Drying Technology
- Sludge pasteurisation
- Sludge to high Carbon Fertiliser conversion
- Agricultural water saving technology



ABOUT OUR TECHNOLOGIES AND DEVELOPMENTS

All our technologies, equipment and processes are developed in house. We develop specialised technologies on a project basis to suit each of our clients individual needs.

We pride ourselves for Innovative and Divergent thinking which sets us apart from our competition. Our custom design solutions bring value to our clients.

***New "Harmony" Water Treatment Kinetic Energy Disruption.**