

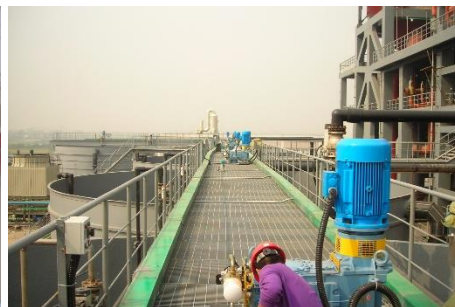
Mineral Processing Agitation Solutions



CPE is a world leading designer, manufacturer and supplier of agitation solutions for the mineral processing industry.

Offerings

- World leading impeller technology offering optimum mixing efficiency and enhanced product quality
- Custom design
- Laboratory & pilot plant testing
- Process optimisation and retrofits



Design Scope

Mineflo™ is designed to maximise the effectiveness and efficiency of mixing and solid suspension, as well as offer high longevity and minimum maintenance requirement.

Main Applications



Gold Refineries



Tailing Plants



Alumina Refineries



Precipitator, Surge and Quench Tanks



Nickel, Cobalt, Copper, Lithium Refineries



CIP, CIL, HPAL, POX Processes



Gas Dispersion

With numerous installations in major mineral processing plants worldwide

- Cantilevered top entry agitator system
- Direct and geared drive
- Electric and air operated motor
- Various seal types to suit process needs (mechanical, lip, hydraulic, etc.)
- Rubber lining for erosion resistance
- Various impeller construction materials to suit process requirements (stainless steel, carbon steel, titanium, etc.)
- Specialty coatings for additional corrosion and abrasion resistance
- Explosion proof motor

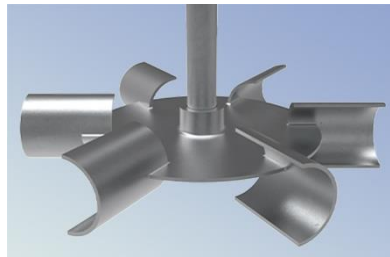
MINEFLO™ CONFIGURATIONS

Impeller Options



RTF4 Hydrofoil

- Solid Suspension
- Anti-scaling



Gas Dispersion

- Sand Aeration
- Hydrogen Reduction
- Pressure Oxidation

Process Optimisation

At CPE, we offer process analysis and optimisation of agitators using our decades of design experience and superior impeller technology.

When to Retrofit an Agitator?

- Ineffective solids suspension
- Time to uniform mix is long or never!
- Frequent mechanical failure
- Excessive energy consumption
- Process/product change



Benefits

- Reduced mix time
- Higher mixing capacity at same power input
- Operating and maintenance cost savings
- Product consistency
- Reduced scaling (effective solid suspension)