

# Thermal & Dry Solids Processing

With hundreds of years of combined experience and production facilities on three continents, CPEG companies are proven market leaders in powder and bulk solids processing. From plastics, chemicals, catalysts, foods and metals to paper, wood, biomass, air pollution control and more, CPEG provides the widest range of equipment for all your processing needs.

We offer unmatched lab testing capabilities, engineers and designers ready to solve the most challenging process problems, multiple state-of-the-art manufacturing plants around the world, and 24/7 parts and service for all equipment. Whether you need one piece of equipment for an existing process line or a complete processing system, our companies provide quality, reliability, and efficiency in every system.



## Thermal Processing

Thermal processes such as drying, cooling and calcining have been expertly refined by CPEG companies over many years of solving unique processing challenges. Our thermal processing equipment delivers cost-effective, optimized and efficient processes to industries around the globe.



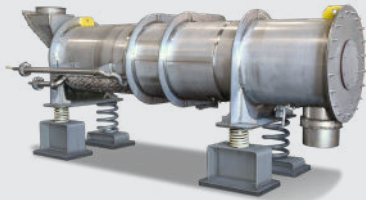
Vibrating Fluid Bed Dryers / Coolers



Static Fluid Bed Dryers / Coolers



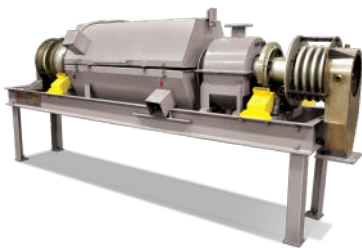
High-Temperature Vibrating Fluid Beds



Vibro Heat Exchangers



Bulk Material  
Heat Exchangers



Calciners



Thermal Screw Mixers



Rotary Dryers / Coolers

## CPEG Thermal & Dry Solids Processing Benefits

Cost-effective

Highly optimized

Energy-efficient

# Dry Solids Processing

CPEG is the global leader in custom dry solids processing solutions and is recognized around the world for reliability, efficiency and performance. From conveying, feeding and screening, to filtering and dust collection, our team of engineers put their experience to work for you.



Vibrating Feeders



Vibrating Screeners



Batch & Continuous Mixers



Vibrating Conveyors

Spiral  
Elevators



Split Tube  
Screw Conveyors



Dust Collectors



Venturi Scrubbers

Reliable

Easy to operate

Low maintenance

## Engineering, Design & Manufacturing

- Technology profile of over 150 patents
- Equipment designs are verified using Finite Element Analysis (FEA) to ensure trouble-free service and long life
- State-of-the-art manufacturing facilities on 3 continents
- Machining, laser cutter, plasma cutter, waterjet cutter, robotic welding, CNC plate roller and 500 ton press brake
- Welders certified to ASME & AWS standards



## Test Lab

Be confident that your powder and bulk solids processing is efficient with CPEG's 15,000 ft<sup>2</sup> state-of-the-art test lab. CPEG incorporates the most extensive test capabilities in the industry. Multiple pieces of equipment can be combined for multistep and multistage testing to simulate field operation, validate new equipment designs and provide complete process solutions. Combined with our full analysis of material characteristics and measurements of material behavior in specific processing applications, you are assured an efficient, reliable and safe solution, all backed by our process warranty.

- Field testing is available when lab testing would not effectively simulate process operating environments.
- Rental equipment is also available for longer-term testing and product development at your facility.

## Parts & Service

- 24/7 service availability with a worldwide network of service technicians
- Thousands of stock components available for quick turnaround
- Custom fabricated replacement parts precision engineered to meet exact design requirements
- Preventative Maintenance and Service Agreement programs available



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