

# Custom Processing Solutions

CEG offers a comprehensive line of bulk material handling and processing technology through a wide range of equipment manufacturers, ensuring the most extensive selection of complementary equipment for complete system integrations. We serve industries such as plastics, chemicals, mining, lithium-ion battery minerals processing, fly ash, cement, foundry operations, foods, pharmaceuticals, carbon dioxide capture, biomass and other waste-to-energy markets.

Prior to manufacturing any equipment, materials and products are tested and proven in one of our state-of-the-art Innovation Centers to provide the best solution to unique processing challenges. Our team of experts use the lab analysis of material characteristics and measurements of material behavior to build systems that meet your specific requirements. And, with a worldwide team of aftermarket sales and support experts, CPEG ensures optimal performance of your equipment and process line.



## Thermal & Dry Solids Processing Equipment

**CPEG**

**CARRIER  
PROCESS  
EQUIPMENT  
GROUP**



Carrier Vibrating Equipment engineers machinery for unique processing requirements. From initial design to performance testing to final installation, Carrier can solve the most demanding processing issues. We specialize in design and manufacture of vibrating conveyors, feeders, screeners, fluid bed dryers and coolers, and more.



Vibratory & Static Fluid  
Bed Dryers / Coolers



Flash, Tornesh & Media  
Slurry Dryers



Bulk Material Heating /  
Cooling Exchangers



Foundry  
Equipment



Vibrating Conveyors



Vibrating Spiral  
Elevators



Vibrating Feeders



Vibrating Screeners



Bin & Storage  
Pile Dischargers



**HEYL PATTERSON**  
THERMAL PROCESSING

Heyl Patterson Thermal Process equipment is used in industries around the world for process heating and cooling needs. From industrial rotary calciners, rotary dryers and coolers, to specialized thermal processors, our products are highly efficient in processing a wide range of materials.



Rotary Calciners



Rotary Dryers / Coolers



MultiDisc Processors





S. Howes has been designing and manufacturing custom, quality, and American made industrial processing equipment for generations. Our mixing, conveying, screening, size reduction, and filtration equipment are built to last a lifetime. In fact, we have equipment built 75 years ago that is still in use today.



Thermal Screw Conveyors



Split Tube  
Screw Conveyors



U-Trough Screw Conveyors



Tubular Screw  
Conveyors



Thermal Mixers



Batch &  
Continuous Mixers



Screeners & Separators



Size Reduction



Sly designs and manufactures a high-quality line of reliable baghouses, dust collectors, wet scrubbers, loading spouts, replacement parts, sheet metal fabrication, and a variety of fabric filter media options that will keep your company running cleanly and efficiently for years to come.



Dry Dust Collectors



Venturi Wet Scrubbers



Bulk Solids Loading Spouts

# Buflovak

Buflovaks' products range from dryers and flakers to evaporation, distillation and separation equipment. We specialize in providing engineering driven solutions for food, chemical, pharmaceutical and environmental processes. Our products provide expert drying or cooling solutions tailored to our customer's process needs.



Atmospheric &  
Vacuum Drum Dryers



Vacuum Shelf, Pan  
& Rotary Dryers



Cooling Drum  
Flakers



Evaporation, Distillation &  
Separation Systems

## PK BLENDEERS

Patterson Kelley (PK) provides blending and powder processing equipment for a wide variety of applications. Our custom designed and manufactured solutions include tumble blending, intensified blending, liquid-solids blending, lab blending, wet granulation, and vacuum drying.



Tumble Blenders



Continuous Blenders



Lab Applications



Dryers

## HEBELER HOWARD MARTEN

HHM provides fluid systems for lubrication, seal oil, heating and cooling, fuel and filtration applications for large rotating equipment OEMs. HHM serves the power generation, mining, petrochemical, cement, pulp and paper, and steel industries.



Lubrication Systems



Hydraulic Systems



Kinergy focuses on engineering vibratory equipment that functions with the least amount of power being used. Products include bin activators, feeders, conveyors, and screeners for a wide variety of industrial applications.



Bin Dischargers



Vibratory Feeders

## Aftermarket Parts & Service

We understand that timely access to genuine spare parts is essential for maintaining the reliability and performance of your equipment. We offer an extensive inventory of both fabricated and component aftermarket parts that are precision engineered and tested to provide the best performance.

- 24/7 service availability with a worldwide network of service technicians
- Stock parts and fabricated components for all CPEG companies
- Preventative Maintenance and Service Agreement programs available
- Commissioning Support and Services



## Industries We Serve

CPEG serves many industries worldwide with innovative equipment solutions for powder and bulk solids processing and material handling. Our industrial manufacturing companies and comprehensive product line is recognized around the globe for reliability and performance.



Chemicals,  
Plastics, Rubber



Mining & Minerals



Coal & Fly Ash



Lithium Battery  
Minerals



Sand & Aggregates



Food & Pet Food



Biomass, Paper  
& Wood



Recycling &  
Waste-To-Energy



CO2 Capture



Evaporation, Distillation  
& Separation



Pharmaceuticals &  
Nutraceuticals



Foundry &  
Metalcasting

**Custom Process Solutions.**  
**Tested Here. Proven Around the World.**



# Engineering, Design & Manufacturing

- Technology profile of over 150 patents
- Equipment designs are verified using Finite Element Analysis (FEA)
- 3D equipment modeling
- Manufacturing facilities on 3 continents and two state-of-the-art laboratory testing facilities
- Expertise working with a wide variety of steel and other exotic alloys
- In-house machining, cutting, robotic welding, CNC plate roller and 500 ton press brake
- Welders certified to ASME & AWS standards



## Innovation Center & Test Lab

Trust that your powder and bulk solids processing is efficient with CPEG's state-of-the-art test labs. Combine multiple pieces of equipment for multistage and multistep testing, simulating field operation. Our thorough analysis ensures an efficient, reliable and safe solution, 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.

