

Capabilities

**Thermal Drying, Solidification,
Evaporation, Distillation &
Separation Solutions**



Full Capabilities

- Atmospheric & Vacuum Drying
- Cooling & Flaking
- Evaporation, Distillation & Separation
- Pilot-Scale Lab Testing & Rental Equipment
- Aftermarket Parts & Service
- Complete Systems Integration

Bufllovak

Thermal Drying & Solidification

Our dryers and cooling flakers are designed and built for performance, precision and reliability. Atmospheric Drum Dryers are available in Single, Double and Twin Drum designs. Vacuum Dryers include Double Drum, Rotary, Pan/Kettle and Shelf designs. Single Drum Cooling Flakers are available for flaking and solidification.



Atmospheric Double Drum Dryer



Atmospheric Single Drum Dryer



Vacuum Double Drum Dryer



Vacuum Rotary Dryer



Vacuum Pan (Kettle) Dryer



Vacuum Shelf Dryer



Cooling Drum Flaker

Available Stock Units

New, factory-built drum dryers are in stock and available for immediate delivery. These units include our full documentation package and come with a standard warranty. Contact us for current availability.



Evaporation, Distillation & Separation

Buflovak designs and manufactures a wide variety of Evaporators, Crystallizers and Distillation Systems. These systems enable efficient removal of solvents, concentration of liquids, and purification of valuable products all while maintaining product integrity.



**Evaporative
Crystallizers**



**Rising Falling
Film Evaporators**



**Falling Film
Evaporators**



**Forced Circulation
Evaporators**



**Natural Circulation
Rising Film Evaporators**



**Plate
Evaporators**



**Distillation Systems
& Heat Transfer
Equipment**



Energy Conservation

Multiple effect, thermal vapor recompression and mechanical vapor recompression are the three basic methods for realizing more from each BTU of heating medium. Our experts can help determine the most energy-efficient solution.

Lab Testing

Our laboratory offers feasibility testing across a wide range of products to help ensure process reliability. Our Atmospheric Drum Dryers, Vacuum Drum Dryers, Vacuum Rotary Dryers, Kettle Dryers, Shelf Dryers, Cooling Drum Flakers, and Evaporators and Distillation equipment are available for pilot-scale testing at our Research & Test Center in Tonawanda, NY. For more complex, multistep, or multistage process evaluations, additional testing is available at the CPEG Innovation Center & Testing Lab in Louisville, KY.

Capabilities include:

- Pilot-scale testing on Atmospheric Drum Dryers, Vacuum Drum Dryers, Kettle Dryers, and Cooling Drum Flakers.
- Evaluation of Evaporators and Distillation systems.
- Multistep and multistage process testing for complex applications.
- Process optimization to maximize product quality and efficiency.
- Data-driven recommendations to guarantee performance prior to scale-up.
- Side-by-side comparisons of process variations to identify the most effective solution.
- Flexible facility schedule to work within time constraints.



Why Test Before You Invest?

- Validate your process before committing to full scale equipment
- Avoid costly redesigns and delays
- Fine-tune settings to achieve consistent, high quality output
- Confirm your material behaves as expected under real-world conditions
- Use real test data to guide purchasing and production decisions
- Invest knowing equipment is the right fit for your process



Rental Equipment

When testing in one of Buflovak's laboratories is not feasible, equipment can be rented and shipped to your facility. This provides real-world testing and validation of equipment performance under your specific operating conditions, ensuring it meets throughput, efficiency, and product quality requirements. Each component of the rental system is assembled on a portable frame for easy installation and hookup to utilities.



Aftermarket Parts Sales & Service

Our dryers, cooling flakers, evaporators, and separation systems are designed for robust performance, process efficiency, and long service life. When replacement parts or field service are required, our aftermarket team stands ready to minimize operational interruptions. Our offerings include spare parts for all our products, dryer and flaker drum reconditioning or replacement, field service consultation, repairs and preventative maintenance.

Spare Parts:

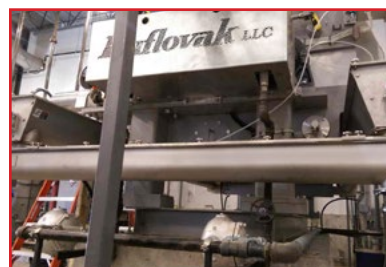
- Buflovak Sleeve Bearings
- Knife Blades
- Rotary Unions
- Endboards
- Buflovak Gears
- Pneumatic Cylinders
- OEM Motors & Gear boxes

Drum Reconditioning & Replacement:

- Expert refurbishing of dryers and flaker drums
- Reconditioning for all models

Field Service:

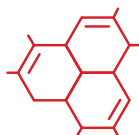
- Field Service Department always available
- Instructional operation recommendations
- Preventative maintenance contracts available



Industries We Serve



Environmental



Chemicals



Food & Beverage



Pharmaceuticals



Nutraceuticals

Complete Systems Integration

As a subsidiary of Carrier Process Equipment Group (CPEG), additional thermal processing and dry solids processing equipment is available to supplement and build out your production line. From Buflovak equipment to a wide range of other processing technologies and automation options, our team of experts can help determine the most suitable products for your manufacturing line.

- Tumble Dryers
- Vibratory & Static Fluid Bed Dryers
- Rotary Dryers
- Flash Dryers
- Tornesh Dryers
- Bulk Material Heat/Cool Exchangers
- Vibratory Feeders
- Vibratory & Screw Conveyors
- Vibratory Screeners & Power Sifters
- Rotary Calciners
- Bin & Pile Dischargers
- Loading Spouts
- Mixers & Blenders
- Size Reduction Equipment
- Dry Dust Collectors
- Wet Scrubbers
- Ancillary Components
- And More

Carrier

HEYL PATTERSON
THERMAL PROCESSING

S. HOWES

SLY
AIR POLLUTION CONTROL

IPK BLENDEERS



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