

# Heyl Patterson Thermal Processing Capabilities

Initially founded in 1874 as the Edwin Renneburg & Sons Company and later the Renneburg Division of Heyl & Patterson, Heyl Patterson Thermal Processing is now a wholly owned subsidiary of Carrier Process Equipment Group. The name has changed but the focus remains on designing and manufacturing process heating and cooling solutions for the most demanding bulk solids process challenges.

Heyl Patterson's team of experienced engineers and process experts deliver proven solutions for thermal, drying, and calcining processes to a wide variety of industries. Our solutions feature reliable, custom-engineered, energy-efficient equipment that is tested here and proven around the world.



## Capabilities:

- State-of-the-art Innovation Center & Testing Lab
- Equipment Design & Manufacturing
- Process Experts in all Industries & Applications
- Aftermarket Sales & Service



## Equipment

From some of the largest rotary dryers, coolers, and calciners in the world to compact, high-capacity thermal processors, Heyl Patterson's process equipment efficiently handles powders, bulk solids, liquid sludges, thermally sensitive materials, combustible materials and more.

### Rotary Dryers & Coolers



MultiDisc Thermal Processors



Rotary Calciners & Kilns



Flash Dryers



Fluid Bed Dryers & Coolers

### Additional Equipment

- Rotary Agglomerator Granulators
- Screw Presses
- Mills & Cookers

## ***Industries & Applications***

- Agricultural
- Alternative Fuels
- Biomass Conversion & Torrefaction
- Ceramics
- Chemicals
- Construction Materials
- Fertilizers
- Filter Cakes & Sludges
- Fly Ash & Coal Ash Beneficiation
- Glass
- Hemp
- Lithium Processing & Recycling
- Metals & Minerals
- Paper & Pulp
- Petroleum
- Plastics
- Rubber
- Waste Conversion & Recycling
- And more

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## ***Aftermarket Sales & Service***

Heyl Patterson Thermal Processing offers a complete line of replacement parts and upgrades for all our products. You can also count on our upgrades and part designs to improve the performance and efficiency of equipment manufactured by other suppliers. If we don't have a part or upgrade for your machine, our engineers will design a replacement that extends component life and lowers your maintenance cost.

Technicians and engineers are available around the clock to support all of your needs. From installation supervision, field inspections, mechanical repair, or process evaluation and tuning, our staff will help keep you running efficiently and smoothly. We understand that your equipment is the backbone of your operation. That's why we offer top-notch equipment service and maintenance solutions designed to minimize downtime. Whether you need routine maintenance, emergency repairs or specialized upgrades, our professional Service Department has the knowledge and experience to ensure your equipment operates at its peak performance - safely and efficiently.

## ***Inspections***

At Heyl Patterson Thermal Processing, we understand how costly a breakdown can be. That's why we offer a complete array of inspection services designed to keep you running at peak performance. From visual, mechanical, and structural inspections to electrical evaluations, our qualified inspection team can help keep your equipment and operations running efficiently.



## ***Innovation Center & Testing Lab***

Lab testing is performed in the Innovation Center at Carrier Process Equipment Group (CPEG) in its state-of-the-art 15,000 ft<sup>2</sup> testing facility. 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.

Pilot plant field testing is available when lab testing would not effectively simulate process operating environments.

### ***Testing Process***

The lab simulates operating conditions on a smaller scale to provide data and assurance that your process will be a success. The lab is equipped with modern diagnostic machinery and experienced engineers to analyze test results, provide recommendations, and solve powder and bulk solids processing and handling issues.

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