


WOLFRAYET

Introducing WolfRayet

At WolfRayet our mission is to apply design and technology to manufacturing.

We deliver complete systems, gel and cure ovens for powder coating metal and heat sensitive substrates. Gas Catalytic IR technology is at the heart of our PLC controlled systems. This high tech, low operating cost solution, delivers a perfect, cost effective cure with an improved sustainability footprint.

Our systems are designed to integrate seamlessly with all equipment and powder manufacturers and we collaborated with partners in these areas to develop our unique approach. This includes powder application, curing and overhead conveyors.



This exciting new technology is on display at our state-of-the-art facility. Come and see for yourself!

Catalytic Ovens – the Hot Topic

Gas Catalytic IR technology delivers an incredible cure for powder on both metal and heat sensitive substrates.

Our innovative WolfRayet oven designs:

- Maximize the application of gas catalytic, longwave infrared heat energy
- Use natural gas, the lowest Kilowatt energy cost available today
- Use flameless, gas catalytic IR heaters with Factory Mutual approval
- Do not produce any regulated gasses such as Carbon Monoxide (CO) and Nitrogen Oxide (NOx)
- Utilize touch screen PLC management technology to create the perfect heat profile for your application
- Finish can be a durable smooth, textured or special effect finish

Systems for Heat Sensitive Substrates

WolfRayet Galaxy 6, 8 & 10 Systems

The WolfRayet Galaxy Systems are designed for medium to large scale operations. The 6, 8 & 10 refers to the line speed in feet per minute. The system is completely customizable and final design depends on the output requirements and the plant space available.

- Systems can process small complex parts to larger pieces
- Technology ensures the structure of the substrate is never compromised
- Flexible - boasts efficient load, preheat, coat, cure, cool down and unload areas
- Capable of pre-heat, automatic powder application and gel or cure time
- Parts pass through the pre-programmed zones during the complete process
- Individual programs can be created, saved and retrieved when required.

WolfRayet Galaxy Lyte

The WolfRayet Galaxy Lyte system is an easy to use, entry level system. It utilizes a gas catalytic IR preheat oven followed by manual powder application to allow low volume coaters to achieve a high quality coating finish.

Galaxy Lyte systems:

- Will work on heat sensitive substrates such as MDF and engineered timber as well as metal substrates
- Are ideal for single coat or powder priming prior to a liquid topcoat
- Have an extremely small plant footprint with low operating costs
- Features an innovative turntable system for coating all sides of the part efficiently
- The batch style multi-zone final cure oven oscillates the parts to ensure an even cure.

Catalytic IR 'Pre Gel' Ovens

Gas Catalytic Infrared (IR) pre-gel ovens are perfect for powder coating metal substrates. Positioned before a conventional convection oven, these pre-gel ovens initiate the gelling process of powder coatings, preparing them for final curing.

This delivers incredible benefits:

- Improved powder flow
- Improved adhesion
- Less airflow, reducing production gaps during color changes
- Increased production rates & increased efficiency
- Enhanced curing process resulting in high-quality, durable and uniform finishes with no cross-contamination.

Catalytic IR Ovens for Dry-Off Applications

In industrial settings, Gas Catalytic IR ovens offer additional advantages for dry-off applications. WolfRayet ovens use catalytic reactions to convert gases into heat energy, resulting in significant energy savings and reduced operating costs. The longwave infrared energy waves provide quick and uniform heating, reducing drying times and enhancing productivity.

Both gel and dry off systems can deliver significant cost savings, reducing powder usage and energy costs due to efficient curing. Simply put, they are a game-changer for curing, pre-gel and dry-off applications, offering unmatched efficiency, safety, and environmental benefits.

Ready to powder coat your wood-based products?
Visit the Galaxy Lyte and Galaxy Series 6 on full display at our Gainesville, Texas location



Talk to the WolfRayet Team

The WolfRayet team is made up of extremely experienced technical experts in the area of gas catalytic IR systems. We also work together with other industry specialists. This means that we can offer the best solution for your needs.



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