

# WOLFRAYET

## Introducing WolfRayet

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

We deliver complete systems for powder coating heat sensitive substrates as well as gel and full cure ovens for the metal industry.

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.

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 in Gainesville, Texas. Come and see for yourself!



## Catalytic Ovens – the Hot Topic

Gas Catalytic IR technology is proven to cure powder on both metal and heat sensitive substrates. Our innovative WolfRayet oven designs maximize the application of gas catalytic, longwave infrared heat energy. This efficiently pre-heats substrates and cures powder. The resultant surface can be a durable smooth, textured or special effect finish.

Our systems use natural gas. This has the lowest Kilowatt energy cost available today. Every oven uses flameless, gas catalytic IR heaters that have Factory Mutual approval. The heaters do not produce any regulated gasses such as Carbon Monoxide (CO) and Nitrogen Oxide (NOx).

WolfRayet's PLC controls provide absolute control over each zone in the oven.

Heaters are arranged into unique WolfRayet zones. Each oven has a series of these zones controlled by PLC gas management technology. WolfRayet's PLC controls have a touch screen to provide absolute control over each zone in the oven. This allows the creation of the perfect heat profile for your application.

## WolfRayet Galaxy Lyte

The WolfRayet Galaxy Lyte system is an easy to use, entry level oven. It allows 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. It is ideal for single coat or powder priming prior to a liquid topcoat.

The Galaxy Lyte system has low operating costs.

The Galaxy Lyte system has an extremely small plant footprint. With low operating costs, it is a dual purpose system, ideal for both heat sensitive and metal parts.

Galaxy Lyte utilizes a gas catalytic IR preheat oven followed by manual powder application. It has a unique groundbreaking feature that custom metal coaters will welcome - 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 in only 5-6 mins.

The PLC control synchronizes both the overhead conveyor drive system and both ovens. The end result is a cost effective and efficient production process.

## WolfRayet Galaxy Systems

The WolfRayet Galaxy 6, 8 and 10 systems are designed for medium to large scale operations. The system is completely customizable at the initial design stage. The 6, 8 & 10 refers to the line speed in feet per minute. The final design depends on the output requirements and the plant space available. Part size is not an issue. The systems can process small complex parts like draw fronts to large 8' x 4' sheet material. Each will receive a consistent, quality coat and cure. Our technology also ensures that the structure of the substrate is never compromised.

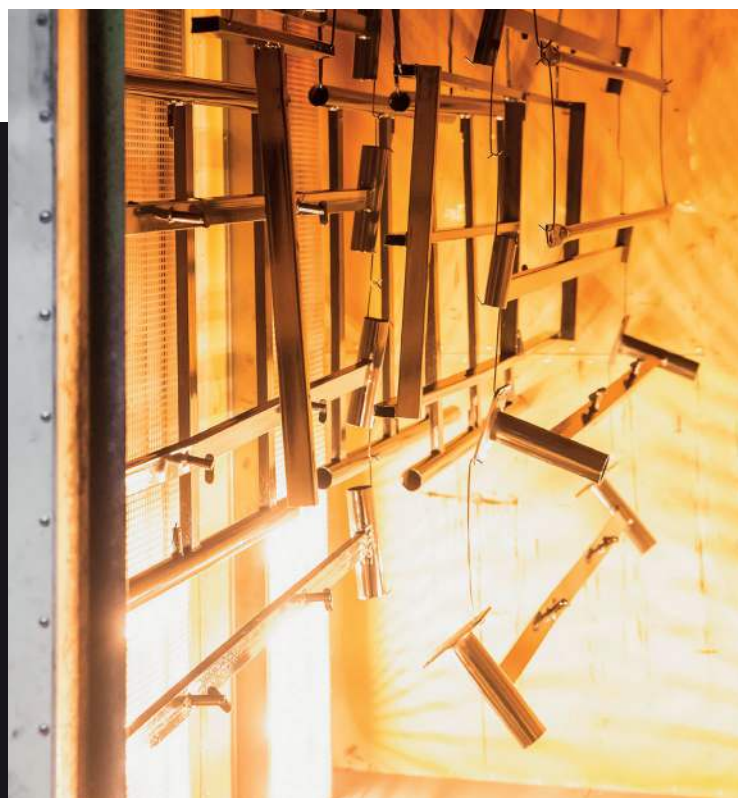
The Galaxy system is all about customization and flexibility.

The process is the same as the Galaxy Lyte system. It has efficient load, preheat, coat, cure, cool down and unload areas. A typical program incorporates 1.5 minutes of pre-heat and 5-6 minutes of gel and cure time. Parts pass through the pre-programmed zones during the complete process. Individual programs can be created, saved and retrieved when required.

We also design an optimized process footprint with our unique conveyor system. Traditional continuous conveyor lines need an extensive footprint. Our system isolates the cool down, unload and load from the main conveyor line. This delivers a smaller and more efficient process.

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**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.



SCAN ME

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