860-845-8197 TITAN-Catalytic.com 597 Middle St. Bristol, CT 06010

TITAN CATALYTIC

WHY CHOOSE TITAN GAS CATALYTIC INFRARED HEATERS?

TITAN-Catalytic Gas Infrared (IR) Heaters deliver efficient, consistent radiant heat while reducing energy consumption and minimizing equipment footprint. Designed for demanding industrial applications, our heaters offer precise output control, simple installation, and reliable performance. With no moving parts and ultra-low emissions, TITAN heaters provide a low-maintenance heating solution for a wide range of manufacturing and finishing processes.



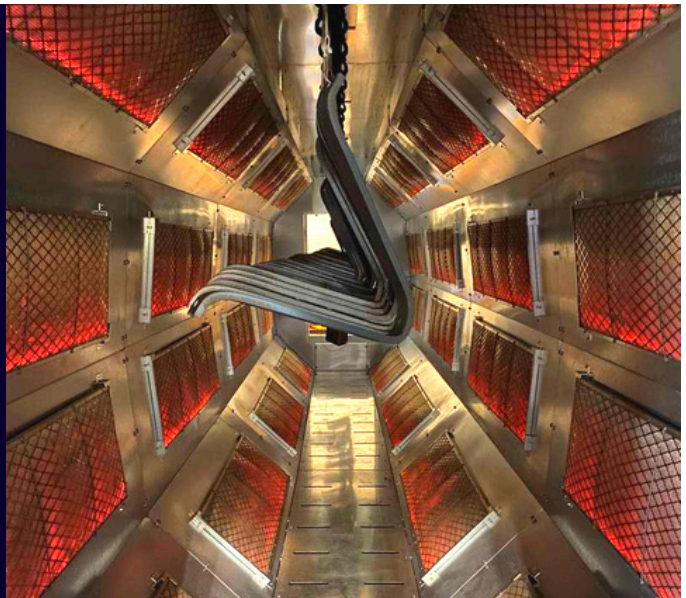
FEATURES

- Durable welded steel construction
- Available in all stainless steel housing
- Simple installation, with universal mounting brackets
- Field selectable voltage
- Suitable for any mounting orientation
- Available in Natural Gas and Propane versions
- No moving parts
- No maintenance
- Low power consumption after start-up
- Ultra-low CO
- No generation of NOx
- Multiple Zoning when coupled with TITAN Controls and Gas Management System
- TITAN Controls are UL-508A approved for UL and cUL applications

APPLICATIONS

TITAN Gas Catalytic Heaters are well suited in various process applications, including:

- Powder Coat Finishing
- Liquid Coat Finishing
- In-Line and Rotary Thermoforming
- MDF and Wood Coating Curing
- Textile and Paper Processing
- Pre-Heaters and Pre-Gel Ovens
- Drying/Heating of Organic Materials



GAS CATALYTIC HEATER SPECIFICATIONS

TITAN-Catalytic Gas IR heaters allow you to save space, reduce energy costs, and employ a low-level output control that outperforms industry standards. Our innovative design makes it easier to install and maintain, and its energy-saving features make it an attractive choice for businesses looking to reduce their carbon footprint.

SIZE	BTU/Ft2	TOTAL BTU/Hr.	Gas Flow Natural (CFH)	NG Pressure (In WC)	Gas Flow Propane (CFH)	LP Pressure (In WC)	Startup Voltage	Startup Amps
12" x 60"	7,000	35,000	35	4	14	11	240/480	5.8/2.9
12"x72"	7,000	42,000	42	4	16.8	11	240/480	6.8/3.4
16"x20"	7,000	15,600	15.6	4	6.2	11	120/240/480	5/2.5/1.3
16"x40"	7,000	31,100	31.1	4	12.44	11	240/480	5/2.5
16"x51"	7,000	39,700	39.7	4	15.84	11	240/480	6.8/3.4
16"x60"	7,000	46,700	46.7	4	18.64	11	240/480	7.63/3.82
24"x48"	7,000	56,000	56	4	22.4	11	240/480	8.3/4.2
12"x48"	7,000	28,000	28	4	11.2	11	240/480	5.8/2.9

TITAN-Catalytic will handle ALL aspects of your Curing or Drying Application with a knowledgeable Service team long after your equipment has been delivered.

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COMBUSTION EXPERTISE SINCE 1940

ETTER Engineering has been specializing in Combustion Technology since 1940. As a leader in the Finishing Industry, we have a long history of providing high-quality products, excellent customer service, and competitive prices.



- ETTER Engineering is a UL-508A Certified Control Panel Fabricator, with all panels built in-house, UL-Labeled, and serviced by our trained Technicians.
- In-house PLC and HMI Touchscreen Programming across multiple platforms (Siemens, Allen Bradley, Automation Direct, Red Lion).
- Zone Control Modules from entrance to exit, top to bottom eliminate part-temperature inconsistencies.
- 8 man team with over 125 years of combined Gas Fired Catalytic IR application experience with in-house gas management and fabrication of Valve Trains.
- 25 years of Catalytic applications in the Finishing Industry, with systems installed on 6 continents.
- Combustion Service Specialists available to travel to your facility for troubleshooting and service.



FROM CONCEPT TO COMMISSION

We insource all of the key designs and fabrication elements of a Catalytic Oven project which allows us to streamline the entire process of a project.

- Gas Management, Valve Trains that are integrated with PLC systems for custom applications
- Oven Design and Modular Fabrication
- Control Cabinets

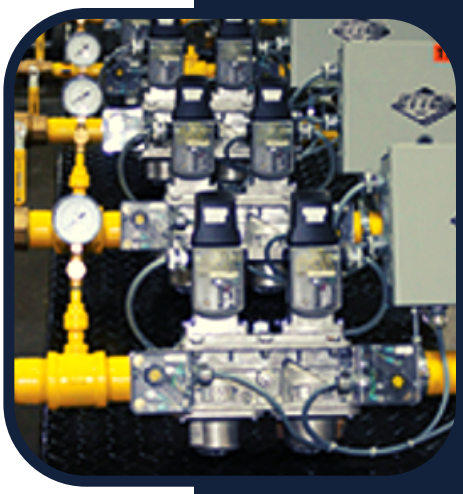


IN-HOUSE

UL-508A CONTROL PANEL SHOP

Etter Engineer is a UL-508A Certified Control Panel Manufacturer

- PLC and HMI Touch-Screen Programming Services
- Controls packages are customized per application
- On-site startup and commissioning
- Remote access functionality available



IN-HOUSE

VALVE TRAIN MANUFACTURING

- Modular design
- Pre-wired / pre-plumbed & minimal on-site assembly required
- Very low maintenance required
- Standard or custom designs available
- Multiple equipment vendors to choose from
- Decades of valve train manufacturing

WHY TITAN-CATALYTIC

- ☑ All Control Systems, Catalyst and Heater fabrication are designed and built in-house.
- ☑ Expertise in both drying & curing for liquid & powder coatings with an in-house Test facility.
- ☑ Custom Ovens are tailored for efficient use of Longwave Infrared.
- ☑ On-call Service Team available long after your equipment has been delivered.



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