



Located in Orange County, California

About Us

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What We Do

LCI Furnaces is engaged in the design, manufacture, sales and servicing of build-to-order computer controlled near infrared laboratory and production fast-fire belt furnaces, ovens, dryers and kilns for semiconductor packaging, electronics manufacturing, polymer and encapsulant curing, drying, hybrid thick film and thin film processing, reflow, flat panel display and photovoltaic solar cell manufacturing. Other applications include pin brazing, package sealing, lead frame embed and chip joining. New equipment is configured for clean room operation and to optimize production to specified customer requirements.

FurnacePros provides equipment and software upgrades, parts and service for infrared furnaces manufactured by RTC Radiant Technology Corporation and GreenBridge Technology as well as LCI. With an close understanding of these vigorous production and laboratory furnaces, FurnacePros has devised a number of upgrades which will significantly extend the life of existing equipment. Furnaces can be serviced and upgraded in our factory in Orange, California USA. For larger machines, upgrades are installed on-site with prefabricated plug 'n play panels to reduce production downtime.

Equipment

Our infrared furnaces are built for production applications that require highly repeatable performance temperature profiles from as low as 80°C up to a maximum of 1000°C in a controlled atmosphere of nitrogen, forming gas, hydrogen or clean dry air. On-board sampling system and analyzers can monitor furnace atmosphere conditions achievable below 10 ppmv oxygen. Residence time, ramp-up and cooling rates are controlled by sophisticated PID software operated on a RAID1 computer. Equipment is designed for expected life of better than 15 to 20 years.

Profiling software and production light towers, SMEMA parts handling and handshake options are available on most equipment.

The electrics on most furnaces are configurable for installataion world-wide, so the furnace can be moved from one location to another often with only a simple re-tap of the inputs to accommodate the new environment (for example 480 Vac, 60 Hz to 380 Vac, 50 Hz).



MADE IN USA



QUALITY





About Us

Background

GreenBridge Technology, the original Radiant Technology Corporation, spun off its furnace business, including service and replacement parts support, in March 2007. For more than 30 years, RTC built itself into the world leader of conveyor near-infrared furnaces, ovens and dryers for the photovoltaic (solar cell), semiconductor processing, and microelectronics packaging and assembly technology industries. Now Lochaber Cornwall Inc (LCI) is responsible for warranty of your continuous belt furnace equipment.

Staff

Comprised of former GreenBridge and RTC staff, LCI emerged in March 2007 to continue to supply high quality furnace equipment and service to new customers and customers with RTC furnaces. When FurnacePros services your GBT or RTC brand furnace, it is supported by the same team that has accumulated many years of knowledge and experience building conveyor near-infrared furnaces for many applications.

Support

See our new [support page](#) for technical notes and installation and troubleshooting documents for getting the most out of your RTC Radiant Technology and FurnacePros infrared furnaces.

Commitment to Quality

Because LCI clearly understands the importance of keeping your furnace equipment well supported, we will move quickly to meet your needs. If you have any concerns regarding our customer service, please contact our **corporate office** by email or telephone (714) 935-0302.

Made in USA

New furnaces are designed and assembled in Orange, California. To assure each furnace will deliver high quality production results over a long life, over 90% of the components we use in the manufacture of new furnaces are made in the United States of America. Our original IR lamps are manufactured in Oregon USA.

Our furnaces comply with the Buy American Act. The Buy American act requires that a product be manufactured in the U.S. of over 50% U.S. parts to be considered Made in USA for government procurement purposes (48 CFR25 and the Trade Agreements Act at 19 USC §§ 2501-2582).

