



industrial ovens

Lanemark Gas Process Burner Systems offer key advantages



Process ovens from RDM Industrial Services Ltd utilise Lanemark Process Burner Systems.

Operational efficiency, both in terms of process performance and energy consumption, are the watchwords for everybody involved in process oven design and operation. Lanemark International has continued to build an enviable reputation in this industry by providing both natural and propane gas burner systems for many highly efficient ovens worldwide.

Process oven operation – typically for curing, drying or stoving applications – is both widespread and fundamental in manufacturing and engineering. Whether

in the form of stand-alone box ovens or as part of a large-scale production process, key objectives remain the same – energy efficiency, heating effectiveness and versatility.

Lanemark can point to a long list of examples where the use of gas offers clear-cut price and performance benefits and, allied to the technology at the heart of the company's range of forced draught (FD) burner systems, these advantages become even more significant. Excellent control characteristics alongside a high turndown capability ensure that

the process oven is heated evenly, consistently and as economically as possible.

A programme of continual product development – as demonstrated by the latest FD-C (GA) range – ensures that Lanemark users continue to gain from state of the art technology. This is clearly demonstrated by one of the UK's major process oven manufacturers, RDM Industrial Services Ltd (see over), where Lanemark burner systems play a key role in enhancing the enviable reputation that the specialist manufacturer has achieved in the UK and international process oven sector.

The Lanemark forced draught (FD) series of burner systems – used extensively in the process oven sector – offers a range of distinct operational advantages, including –

- High turndown
- Short flame profile
- Optimised temperature control
- Proven performance
- Economic operation

A choice of models is available – including the latest FD-C (GA) series gas and air modulating burners – offering a range of heat outputs from 117 to 880 kW.

Performance that goes on and on and on ...



• In every industry where unplanned downtime can be extremely damaging and expensive, the support and structure of the Lanemark BurnerCare package is widely regarded as a key element of the Lanemark service.

• Lanemark BurnerCare is designed to ensure ongoing performance and peace of mind for every new-build oven customer.

• Burner system commissioning, planned maintenance schedule options, comprehensive on-line support and the supply of spare parts are all key elements of the Lanemark BurnerCare service.



RDM Industrial Services Ltd

For more than 50 years, Manchester-based RDM Industrial Services Ltd has been synonymous with quality design and installation capability with thousands of industrial process ovens operational worldwide.

Used in nearly 50% of the ovens it manufactures, gas – both natural and propane – is a key energy source and Lanemark burner systems have been the preferred burner choice for numerous installations.

The modular approach adopted by RDM for the majority of its oven designs – many under the well-recognised 'Modulair' name – enables the equipment to be manufactured for a wide range of sizes and capabilities to meet specific customer demands. This versatility is echoed by the choice of Lanemark FD burner systems – FD-C (GA), FD-C and FD-E models – available across a broad range of power outputs.

Painting and powder coating are prime applications for RDM units, with oven temperatures up to 350°C typical. In these cases – or where, for example, heating, spraying and drying rooms call for lower process heating temperatures – accurate control is crucial. Lanemark's capability in this context, particularly in terms of offering high burner turndown ratios, allows RDM customers to maximise the effectiveness of their process operations by retaining temperature levels within very tight parameters. At the same time, gas consumption is

minimised – which, today, is perhaps more important than ever before.

RDM Industrial Services Ltd points to a number of key facts in its decision to focus extensively on the Lanemark process gas burner range. It highlights, for example, the quality of design and production, proven reliability and consequent confidence in performance. This is a factor that clearly goes hand-in-hand with the reputation established by RDM, who are committed to using the latest burner technology and control system design to achieve vital heating distribution and temperature stability objectives. Initial feedback on the Lanemark FD-C (GA) gas and air modulating burner system, it reports, is extremely favourable.

The company also draws attention to other key features arising from the use of Lanemark burners that help to maximise the effectiveness of oven design. By way of example, it cites the fact that, because of the inherent efficiency, oven chambers can often be resized downwards – saving on both capital expenditure and space.

With process ovens set to play a key role in manufacturing processes for many years to come, the demand for greater operational and energy efficiencies will become ever greater. The suitability of Lanemark process gas burner equipment for the RDM range is thus well placed to continue producing excellent results for the oven manufacturer's customers both at home and overseas.

