



LANEMARK
INTERNATIONAL

spraybooth refurbishment

Lanemark Midco burners optimise performance

The refurbishment of existing spraybooth installations offers the opportunity to optimise performance whilst making the most of existing plant facilities. Central to this is the effective provision of process heat, which must be both reliable and highly controllable – key benefits arising from the Lanemark Midco burner range.

The availability of the acclaimed Midco burner designs from Lanemark complements the highly successful TX tank heating and FD process oven air heating ranges, and opens up new opportunities where make up or replacement air requirements need to be met. High turndown and controllability are key features, as are low emission levels and



High quality spraybooth refurbishment undertaken by Beta Automotive benefits from the use of Lanemark Midco burner designs.

flame stability, while the modular design helps each installation to meet precise operational needs.

Lanemark Midco burners are modular in design and are based on either six-inch or twelve-inch sections that are linked together to fulfil dimensional and heat

output requirements. Natural or propane gas can be used on a standard burner head bringing the benefits to key sectors of the processing industry.

The design offers important advantages in the spraybooth refurbishment sector. Often, whilst the spraybooth chamber itself remains fully operational, upgrading the burner design through the use of a Lanemark Midco installation represents a highly cost effective way of maximising process performance.

The Beta Automotive example, detailed overleaf, is a good illustration of this principle in practice. Part of the Lancashire-based Beta Group, the organisation has developed a leading reputation, particularly for large scale spraybooths, and provides a highly successful refurbishment and maintenance service to a wide range of users – from those involved in commercial vehicles and trains to aircraft and even ships.

Performance that goes on and on and on ...



LANEMARK
BurnerCare

- 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 spraybooth refurbishment 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.



Beta Automotive

The leading reputation that Beta Automotive has gained for both refurbishment and maintenance projects in its industry – particularly for large-scale spraybooths – is closely associated with the efficient provision of heated air. The decision to specify Lanemark equipment has been centred on the company's commitment to providing quality installations and, in particular, the need to deliver efficient process heat in a very energy conscious environment.

Many older spraybooths have utilised inefficient indirect fired systems – which incorporate air-to-air heat exchangers. However, the Lanemark DB duct burner system, in which the process air is heated directly by the combustion process, has enabled maximum efficiency and control to be built into each refurbishment project. This has allowed the company to demonstrate significant fuel savings to its customers with a very short payback period.

Beta Automotive highlights this as an important decision and one which was aided by the service and input from Lanemark's design engineers who understood the process in detail and were able to work closely with Beta Automotive's own system builders. As a result, the company says, the optimum configuration for each installation can be achieved.

Beta Automotive refurbishment projects often focus on spraybooth chambers that can be up to four metres wide, eight metres long and three metres in height, and can be up to 20 years old. To meet the requirements that result, a wide range of duct burner sizes and output capabilities is needed. The ten standard size options in the Lanemark range enable the most suitable system to be selected for each project, which again impacts directly on performance efficiency.

Each Lanemark duct burner installation can be specified with a pre-programmed sequence of spray and bake cycles, meeting one of the key requirements of the spraybooth air heating sector. The units offer key features that are all reflected by the installations undertaken by Beta Automotive, including low emissions and high turndown ratios of up to 30:1, with installations typically ranging between 220kW and 295kW.

The refurbishment of spraybooth installations enables Beta Automotive customers to optimise their existing plant utilisation and inevitably depends on the provision of proven, reliable components. The decision by the company to select Lanemark burner systems pays testimony both to the duct burner manufacturer and also to the belief in providing high quality solutions that has been central to the success that the Beta Group has enjoyed for more than 20 years.

The Lanemark Midco burner designs – widely used in the spraybooth sector – bring a list of operational advantages to users including –

- High turndown
- Excellent controllability
- Low emissions
- Flame stability
- Modular design
- Natural or propane gas options

Project specifications require the selection of appropriate burner head designs and can be supplied as complete DB burner installations, to include gas valve trains and burner controls.

