



The Legend GrOWS

AGA Rayburn the producer of the world renowned cast iron cookers have recently invested in another two Excel Heat batch type Enamelling Furnaces which bring the total of Excel Heat electric enamelling furnaces to five. These new enamelling furnaces have state of the art Honeywell controls, which include an UMC 800 process controller coupled with a large screen Multi Trend paperless recorder.

This investment ensures the repeatability and accuracy the enamelling process demands to ensure the pristine quality of finish every AGA Rayburn owner expects.



The process of vitreous enamelling requires skilled application of the enamelling frit to the precisely manufactured cast iron products. The castings are then fired in the Excel Heat furnaces, the proven uniformity in these furnaces is paramount as a variation in temperature can produce a difference in the colour of the end product.

The castings are produced at AGA's near by Coalbrookdale foundry which is in the heart of the industrial revolutionary area of Ironbridge on the very site where it is reputed that the cast iron for the world famous first iron bridge would have been produced.

AGA Rayburn demanded exacting standards and tolerances for their enamelling process, as the finish on these prestigious cookers is paramount.

This has been achieved by the combination of the experience of Excel Heat in the design and manufacture of enamelling furnaces with the expertise of Honeywell in the field of process control

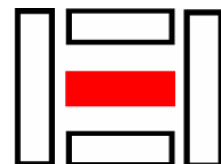
The system is designed to suit the practical requirements of AGA Rayburn and not only includes the Enamelling furnaces but also includes four powered charge machines which load the components into the furnace via motorised and pneumatical controls

AGA Rayburn and Excel Heat partnership goes back to the early eighties when Excel Heat first introduced electric enamelling furnaces into AGA. This, at the time, was a major technological advancement, which improved both the consistency, quality and also the repeatability of the finite cast iron enamelling process which makes AGA the cooker legend.

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