

MONT SELAS

INDUSTRIAL GAS ENGINEERS

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MONT SELAS 'ENVIRO MONT' WNM BURNER



Mont Selas in conjunction with RMR Thermal Solutions have developed an Expanded Nitmesh Tube Firing Burner (patent pending) for use in tunnel baking ovens to replace the old industry standard ribbon burner, to achieve typical gas savings up to 25%*.

- **UP TO 25% GAS SAVINGS***

- **HIGH TURN DOWN**

- **EASILY RETROFITTED**

- **LOW MAINTENANCE**

- **EXCELLENT FLAME STABILITY**

Nitmesh is a woven metal fibre and is welded over the slot in the burner tube, it is well proven technology and has excellent flame retention properties and reduces the risk of flash back.

The Expanded Nitmesh burner can be supplied in 1¼", 1½" and 2" sizes as direct replacements for existing ribbon burners with nominal ratings from 4kW to 44kW.

Burners are designed to work on natural gas or LPG on air blast, high pressure and atmospheric pre-mix systems and will operate with an air turn down ration of up to 8:1 (dependent on flame sensing safeguard limitations).

The improved efficiency of Nitmesh comes from the extra radiant heat provided by the hot surface of the Nitmesh material which can become incandescent, as opposed to the gas flame on a ribbon burner which provides only a limited amount of radiant heat due to its low emissivity. Most of the heat from a ribbon burner is provided by natural convection heating the oven roof area above the burner which then re-radiates the heat back to the product on the conveyor. For bottom burners the base of the conveyor will be heated by natural convection plus the additional radiant heat provided by the incandescent surface of the Nitmesh.