



# Furnace Engineering

*Leaders in Heat Processing Solutions*

## Carbon Fibre Furnace Atmosphere Curtains and Coolers



Furnace Engineering has developed atmosphere curtains and coolers designed specifically for Furnaces making carbon fibre.

Key curtain features are:

- Very good atmosphere sealing preventing entry of air.
- Preventing egress of the hazardous fume.
- Ends can be sealed when not in use.
- Minimising nitrogen consumption.
- Effective cooling of the emerging fibre while under inert atmosphere.
- Cooling down to ambient.
- Reduction of entrained air in the fibres.
- Accessibility to furnace chamber for cleaning.

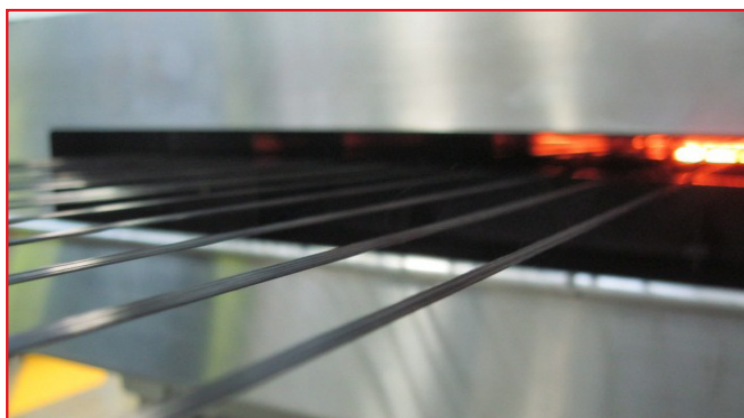
### Cooling the Exiting Fibre

Furnace Engineering has designed a unique cooling method for cooling the tow band. It addresses two issues simultaneously, reducing energy consumption and actively cooling the fibres down to ambient in a short space.



**Atmosphere Curtain**

Patent Pending No. 61/762,649



**Carbon Fibre Tow Bands entering the Hot Furnace**

***Furnace Engineering designs draw on 40 years experiences as a leader in turn-key high-temperature continuous atmosphere controlled furnaces. Our customers are world leaders in their fields. Our teams supports installations around the world.***



Quality  
ISO 9001

SAI GLOBAL

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2009 Governor of Victoria

**Export Awards**

Commendee

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