

Oven Death – Don't Let This Happen to You

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Death in a Rotomolding Oven

- Kayak rotomolder in the UK in 2010
- Corporate manslaughter conviction
- Suspended prison sentence for Production Director
- Health & Safety Executive - directive issued to all rotomolders in UK

Health & Safety “Notice”

- “All users of rotational moulding ovens should review what measures they have in place to prevent a person becoming trapped in their oven and take remedial action in line with this notice.”

Roto Materials Specialists

- Production Facilities
 - Liverpool - UK
 - Koło - Poland
 - Shah Alam - Malaysia
 - Brisbane - Australia
 - Adelaide - Australia
 - Palmerston North - NZ



We are not a
Rotomolder ...
...but we do
have a full scale
Ferry RS.190
rotomoulding
machine in our
UK Technical
Centre



Internal Review of Safety

- Following Health & Safety “Notice” – Mark Morgan led full internal review of our practices

Mark Morgan

- European Operations Manager
- Key part of role to ensure we provide a safe working environment for our employees



Review

- Layout and design of machinery
- Safe working procedures
- Ensure means of escape is provided from the oven



Lockout

- Qualified staff trained in lockout procedure
- A 'Permit to Work' to control and monitor access to the oven
- Full isolation and lockout of main control panel



Restricted Access

- Restrict access to the oven for non qualified personnel by securing the area



Reduce Access

- Restrict multiple access points by preventing access to the rear of the oven



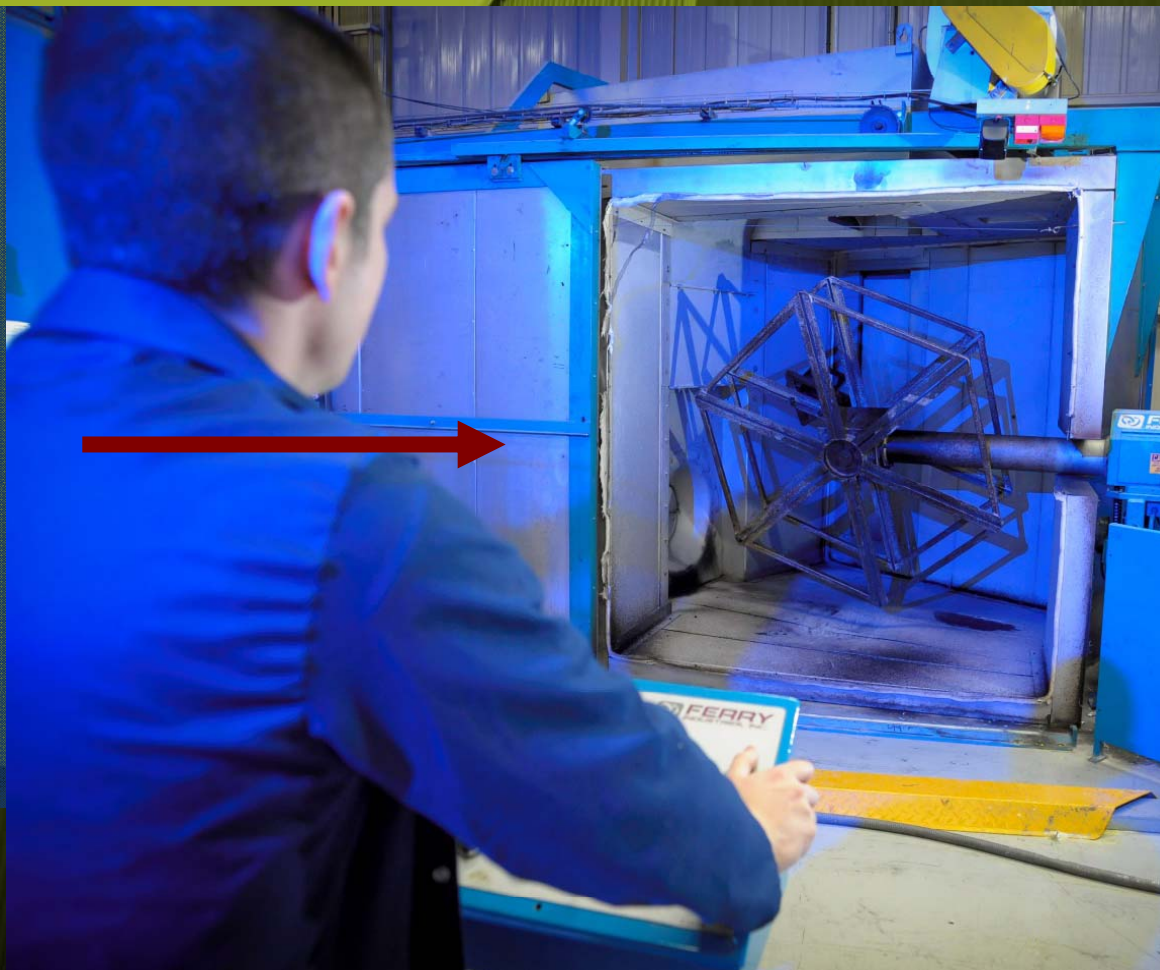
Line of Sight

- Machine control panels are now fixed in position and have a clear line of sight directly into the oven and cooling chambers



Door Closing

- Machine door closing speed has been reduced and now includes an audible alarm when closing to warn operators that the cycle is beginning



Stop if Trapped

- A 'Pull Cord' located inside the oven shuts down the machine completely and opens the oven doors



Escape Oven

- Kick panels located in front and rear of the oven allow a means of escape from the oven
- Kick panels hung on glass hinges making them easy to open



Time and Cost

- Total time for modifications and training was 40 hours
- Total cost of implementation \$4,500





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Thank you!

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