

Safety in Rotomolding

Strategies to reduce workplace incidents (case studies)

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Safety in Rotomolding

Safety Challenges

1. Rotomolding is labor intensive
2. New hire inexperience
3. Training investment required
4. Hazard assessment

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Remember This Guy?



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Respect?



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Hand Injuries



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Hand Injuries



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Steel wool incident



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Steel wool incident

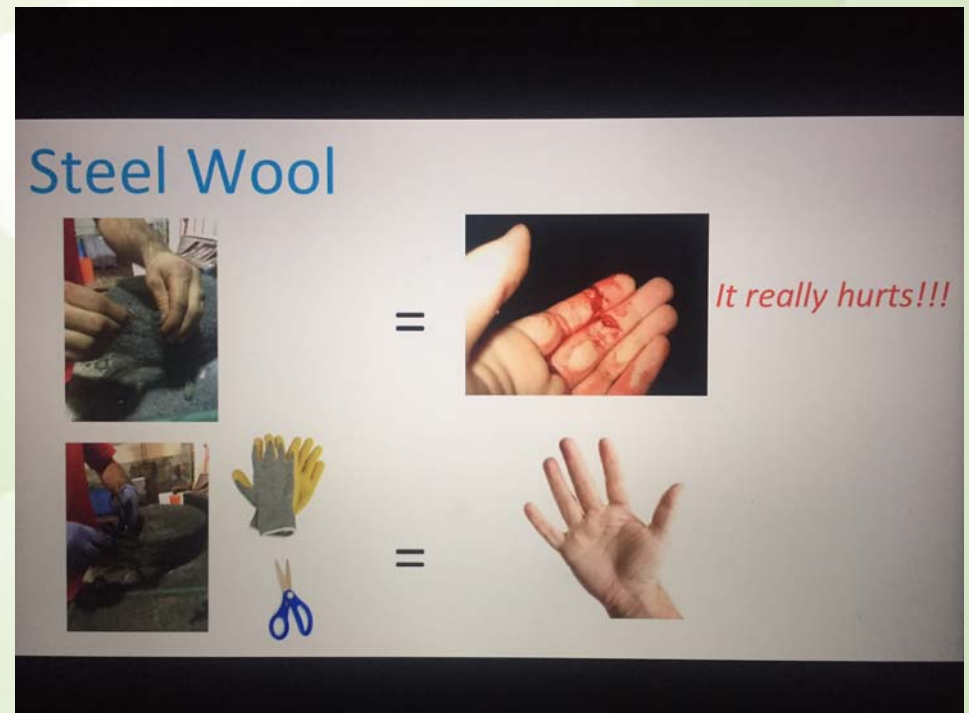
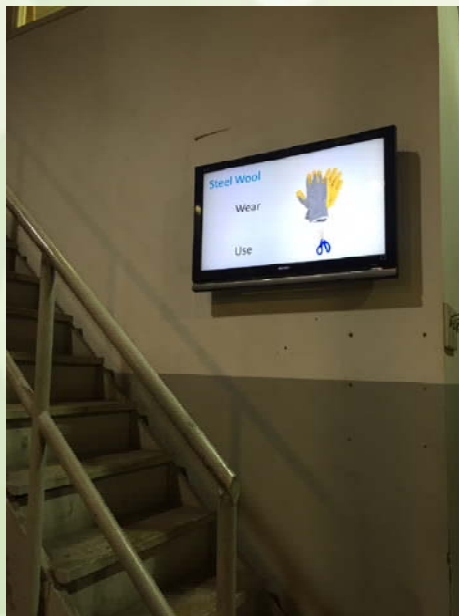


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Hand Injuries (solution)



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Hand cuts

High energy equipment injuries



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High energy equipment injuries



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High energy equipment injuries (solution)



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**High energy equipment injuries
(technical remedies)**



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High energy equipment injuries (technical remedies)



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High energy equipment injuries (technical remedies)



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Mold Drops

- Usually caused by human error
- Inadequate clamping (inspection)
- Operator failing to close the mold
- Mechanical failure (inattention to warnings)

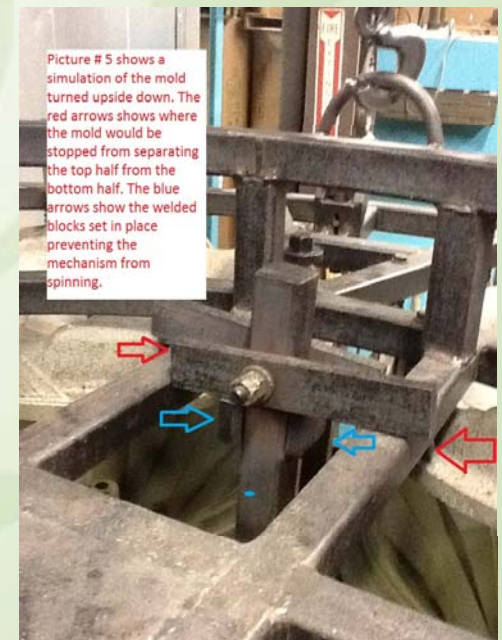
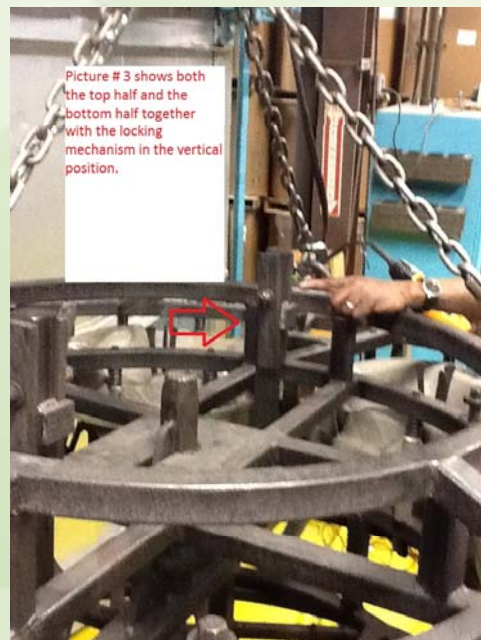
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Mold Drops (solution)



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Mold Drops (solution)



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Fire



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Fire

- Plastic usually the fuel source
- Mold leakage
- Oven buildup
- Prevention and inspection
- Emergency procedures and training

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PANIC!!!!

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Fire (solutions)

- Regular fire drills
- Training with Experience
- Cue cards / checklists
- Head Counts and bright clothing
- Consider oven water extinguish system

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Fatalities

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Fatalities

- No company is immune
- Can occur from unlikely causes
- Dangers must be identified and strict procedures followed
- Has lasting negative effects

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Fatalities

- Australian example (2 operators killed)
- Air used to extract a large part
- Company failed to address the unauthorized procedure.

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Fatalities

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- Air used to extract a large part
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Don't let this happen to you!

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Take away's:

- Safety needs to be driven from the top.
- Training and more Training.
- Recurrent Messaging.
- Design safe workplace procedures.
- Invest in safe equipment if available.
- Reduce risk and engage staff.
- Stay connected to the shop floor and use your staff as a resource.

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Good Luck!

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