

SAFETY ALERT

Operator Injured by Rider Roll

On the 20th of June a Finishing Operator had his lower legs pinned between a Rider Roll and the Winder drums, causing soft tissue crush injuries.

Description of Incident

Investigations to date have identified the following sequence of events leading to this incident.

1. As part of preparation for running up a new work set on the Winder the Operator taped the cores, reset the safety system, activated the Rider Roll and began to raise the Winder table.
2. The Operator had previously been informed of an air leak in the slitter roller knives (not involved in the current set-up). After activating the Rider Roll lower function, the Operator climbed onto the Winder drums to check the air leak. (He was concerned that the air leak would impact operation of the other slitter knives located behind the Winder unit).
3. Whilst the Operator was on the Winder drums the Rider Roll continued its downward movement and pinned his lower legs between the Rider Roll and Winder drums. Whilst the Rider Roll initially stopped when it detected resistance, it then continued a slow downward movement.
4. Operator called for help and was released by a co-worker.

Note:

Correct access point to the slitter roller knives is from behind the Winder via interlocked gates. In this specific instance the Operator would have been require to unthread the paper from the machine to gain access the slitter knives.

The Operator was taken to hospital with severe bruising to the calf muscles. Whilst he was observed in hospital for two days, it is expected that he will make a full recovery from these injuries.

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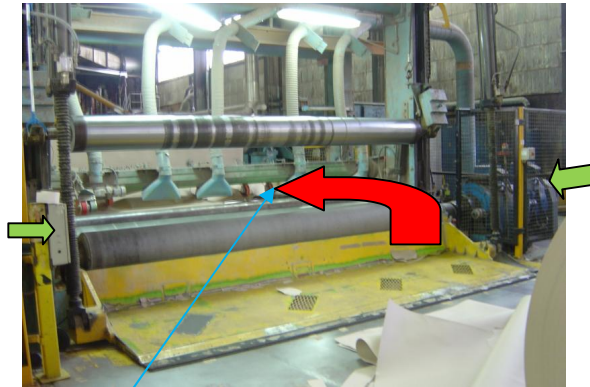
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Paper Machine Winder
(Slitter area located behind Rider Roll and Winder Drum)

Path of movement of employee indicated by red arrow

Light curtain beam poles indicated by green arrows



Rider Roll. Winder Drum. Cardboard Cores.
(cores indicate position of employee legs at time of incident)



Impact of pressure on core from 'Rider' Roll



Table and Rider Roll Operating Panel

Key Contributing Factors

The Rider Roll safety system did not have a mechanism to halt the lowering action if the Operator entered the immediate vicinity e.g. table; drums etc.

It should be noted that the Rider Roll controls had previously been moved from the shack to a control box located adjacent to the Winder to enable the Operator straight line of sight to ensure no one else is in the vicinity prior to initiating the lowering of the Rider Roll.

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Preventative Actions

Short Term

- Rider Roll operations incorporated into interlocked guarding system so that if perimeter guard is breached during lowering operation the Rider Roll will immediately reverse direction and return to the **UP** position.
- Review and retraining on Safe Work Procedure.
- In-house production of DVD for all shift start-ups over three (3) week period.

Long Term

- Full review of guarding by technical expert.
- Review of learning guide for Winder operation so as to highlight any previously unrecognised risks.

For further information please contact:

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