FirePro.
UK & IRELAND
www.fireprouk.com

Project
Cardboard UV Printing Press

Challenges
Automatic fire detection and suppression were required to protect a complex printing press where cardboard dust and packaging materials create a high fire load alongside UV curing lamps that operate at elevated temperatures.

Electrical ignition sources are also present within the enclosed housings, where space constraints prevent the use of other modes of fire suppression, in such circumstances where business continuity is critical with limited tolerance for downtime.

Approved ambassador comment

"We were thrilled with how straightforward it was to replenish the system — the short lead times really kept things moving smoothly."

Barry Mitchell, Owner & DIrector

Why FirePro?

FirePro condensed aerosol fire suppression systems were selected as the most suitable solution for the protection of the cardboard UV printing press.
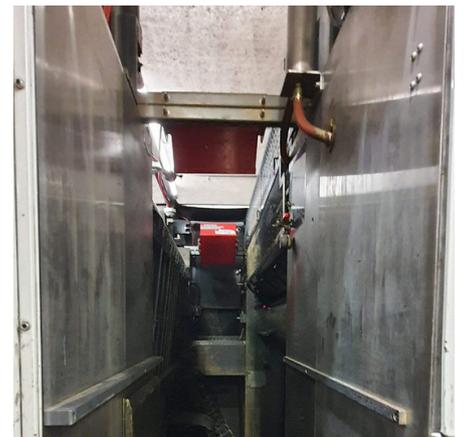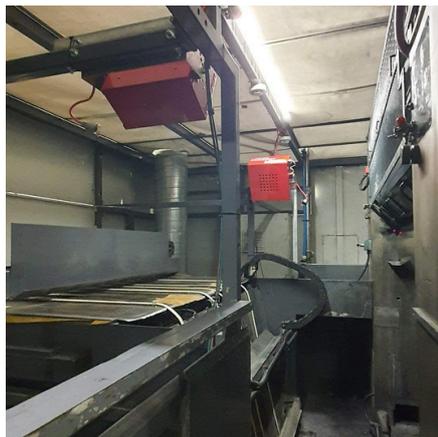
The compact, and simple to install FirePro generators were installed directly within the UV printing press room. This provided effective room-flood suppression without consuming valuable floor space or requiring structural modifications to the press.

FirePro is effective against Class A fires involving cardboard and paper, Class B fires involving inks and coatings, and electrical fires, making it ideally suited to the mixed fire risks present within UV printing machinery, without requiring air-tight integrity or over-pressure venting, this combined with FirePro's minimal requirement for annual maintenance and 15-year lifespan made FirePro the right fit for the job.

After installation of the FirePro fire suppression system, during normal production, a fault within a UV printing press caused the press to stick and ignite the cardboard. The fire was detected automatically and the FirePro system activated immediately. The FirePro aerosol agent suppressed and extinguished the fire within seconds, preventing flame spread beyond the point of origin.

As a result:
- The fire was contained at an early stage
- Damage was limited to the immediate ignition area
- There was no water damage or secondary fire spread
- Smoke and heat damage were kept to an absolute minimum
- The rapid suppression prevented what could otherwise have developed into a significant machine fire and prolonged production shutdown.

System Reinstatement and Business Continuity

Following the activation, Rhino Fire Control attended site promptly to assess the installation and replace the activated FirePro generators.

Due to the simple, non-pressurised design of FirePro generators, replacement was straightforward and did not require specialist lifting equipment or extended shutdown procedures. The system was quickly recommissioned and returned to full operational status.

This allowed client's business to resume production with minimal downtime and negligible impact on mission-critical business operations, protecting customer commitments and avoiding significant financial loss.

Installation

The FirePro system was designed and installed by Rhino Fire Control with automatic fire detection integrated into the printing press. Protection was provided to key high-risk areas including:

- UV curing lamp housings
- Electrical control panels
- Cardboard feed and processing zones

In accordance with BS EN 15276 requirements, training was provided to Atlas Packaging's engineering and maintenance teams to ensure familiarity with system operation and procedures in the event of an activation.

This project demonstrates how FirePro fire suppression provides effective protection for high-risk industrial printing applications. The successful suppression of a real fire incident, combined with rapid system reinstatement, highlights FirePro's ability to protect essential assets while maintaining operational resilience.

FirePro continues to be a trusted solution for packaging and printing environments where space is limited, fire risks are complex, and business continuity is critical.

To learn more or to discuss how FirePro UK could support your project's unique needs, scan any or all of the QR codes below!

LPCB Product Certificate No. 1417a

FirePro UK is certified by BSI to ISO 9001 and is an active subscribing member of the following trade associations

AMPS MEMBER | CPD MEMBER The CPD Certification Service | FIA Fire Industry Association | BAFE | ECA COMMERCIAL ASSOCIATE

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