

Roel Printing Facility

Assessment, Repair & Performance Upgrade for New High-Load Printing Equipment

📍 Enschede, Netherlands

Project Overview

Twintec delivered a specialist slab performance upgrade at Roel's printing facility in the Netherlands to accommodate a new high-load printing machine. Drawing on previous experience at the site, Twintec engineered and installed a strengthened reinforced concrete foundation slab within an operational manufacturing environment, enabling the client to increase production capability without major disruption to ongoing operations.



Project Data

FACILITY TYPE

Printing House

SCOPE OF WORKS

Existing slab removal and structural performance upgrade

REINFORCEMENT TYPE

SFRC with mesh

CLIENT

Roel

PROGRAMME DURATION

4 days

OPERATIONAL CONSTRAINTS

Live production environment, weekend working and strict dust containment.

The Challenge

Roel required its existing floor slab to support a new generation printing machine with significantly higher load requirements than the original installation. The existing slab, approximately 160mm thick, was insufficient for the new equipment and required replacement with a substantially thicker structural solution. The works had to be completed within an extremely tight programme during a planned shutdown period while the remainder of the printing facility remained operational, creating strict dust control, access, and programme constraints.

The Solution

Twintec's assessment and engineering team evaluated the revised loading requirements and developed a bespoke slab upgrade solution based on proven designs previously delivered at the facility.

The existing slab was removed, together with underlying material, to allow construction of a new 500mm thick reinforced concrete foundation slab isolated from the surrounding floor structure.

The design incorporated vibration separation measures using perimeter foam isolation, ensuring the new machine foundation could perform independently while protecting adjacent operations and equipment from vibration transfer.

The Outcome

The upgrade was successfully completed within a four-day construction programme, allowing the facility to prepare for installation of its new production equipment. By combining engineering expertise with rapid execution, Twintec delivered a future-ready flooring solution capable of supporting increased operational demands while minimising downtime, disruption, and risk within the live manufacturing environment.

Client Testimonial

“Following a previous successful project, we once again chose Twintec to install a new reinforced concrete floor for our new printing press. The work was carefully planned around our production schedule and carried out professionally, efficiently, and exactly according to plan. Thanks to Twintec’s expertise, flexibility, and excellent project management, the new press was installed without any delays. We are very pleased with the result and would like to thank the entire Twintec team for their outstanding work and support.” **Rob Buursen**

Key Facts

- Performance upgrade for new high-load production equipment
- Existing slab increased from approximately 160mm to 500mm thickness
- Bespoke engineering assessment and slab redesign
- Vibration-isolated foundation slab construction
- Completed within a four-day shutdown programme
- Dust-controlled installation within an operational printing facility
- Repeat client engagement demonstrating long-term trust and performance

The Twintec Difference



30 Years of Expertise

Delivering trusted flooring solutions worldwide.



Proven High-Performance

Materials engineered for durability and efficiency.



Global Expertise, Locally Applied

Bringing international knowledge to your project.



Sustainable Solutions

Reducing environmental impact while supporting your ESG goals.



Scalable & Flexible Solutions

Tailored for contractors and end-users.



Have a Project? Talk to Our Twintec Experts Today!

sales@twintecgroup.com

twintecgroup.com



Scan to Learn More.