



**E. QUINN CONTRACTS
CASE STUDY**

**INTEGRACLEAT™
DELIVER RELIABLE
PERFORMANCE FOR
ROAD MILLING**



SECTOR: ROAD CONSTRUCTION & INFRASTRUCTURE

SOLUTION: ROADCLEAT™ CLEATED BELTS

COMPANY OVERVIEW

E. Quinn Contracts is a leading civil engineering and road surfacing contractor operating across Northern Ireland and the UK. The company delivers a wide range of infrastructure services including road construction, resurfacing, asphalt milling, drainage and groundworks.

With a fleet of specialist equipment and an experienced team, E. Quinn Contracts is known for delivering high-quality projects safely and efficiently. Their operations often involve demanding environments where machinery must perform reliably while handling abrasive materials and maintaining high productivity levels.

Road planers play a crucial role in their resurfacing operations. These machines remove worn asphalt layers quickly and efficiently, allowing new road surfaces to be installed. Ensuring the conveyor belts on these machines can withstand highly abrasive asphalt millings while operating at high speeds is essential for maintaining productivity on site.

WIRTGEN i200 PLANER

The Wirtgen i200 planer is designed for high-performance asphalt milling on road resurfacing projects. Operating at high speeds and removing large volumes of material, its conveyor system must reliably transport abrasive asphalt milling away from the cutting drum.

To maintain productivity on site, the conveyor belt must perform consistently in demanding, high-wear conditions.



CHALLENGES

Road milling involves conveying highly abrasive asphalt millings at high speeds, placing significant stress on conveyor belts. For E. Quinn Contracts, the challenge was sourcing a replacement belt capable of delivering reliable performance on their Wirtgen milling machine while withstanding these demanding conditions.

The belt also needed to be precisely specified to suit the machine and maintain productivity on site.



SOLUTIONS

Smiley Monroe supplied a ROADCLEAT™ belt from the INTEGRACLEAT™ range, tailored to the requirements of E. Quinn Contracts' Wirtgen i200 planer.

Built with cleats integrally moulded, the belt provides the durability needed to handle highly abrasive asphalt milling while maintaining reliable performance at high operating speeds.

Working closely with the Smiley Monroe team ensured the belt was engineered specifically for the machine and application.

BELT DETAILS*

Belt Width (mm)	Belt Specification	Cleat Width (mm)	Cleat Height (mm)
50	EP630/3 3+2	32	630

*INTEGRACLEAT™ belts also available in ToughFlex® base specs.



WE NEEDED A CONVEYOR BELT THAT COULD PROVIDE CONSISTENT PERFORMANCE WHEN MOVING HIGHLY ABRASIVE MATERIALS AT HIGH SPEEDS ON OUR MILLING MACHINE.

ROADCLEAT™ FROM SMILEY MONROE'S INTEGRACLEAT™ RANGE IS PROVEN TO PERFORM RELIABLY WITH ASPHALT MILLING. WORKING WITH THE SMILEY MONROE TEAM ON A BELT FULLY TAILORED TO OUR REQUIREMENTS HAS BEEN A HUGE BENEFIT, WE KNOW WE'RE INVESTING IN QUALITY CONVEYOR BELTS WE CAN TRUST.

**STEPHEN MCCANN, CONTRACTS MANAGER
E. QUINN CONTRACTS**

WHY INTEGRACLEAT™ BELTS?

ENGINEERED FOR ABRASIVE APPLICATIONS

INTEGRACLEAT™ belts are engineered to handle demanding applications such as asphalt milling where abrasive materials and high speeds require durable conveyor solutions.

CUSTOM CLEAT CONFIGURATIONS

Cleats can be tailored to suit the specific machine and application, ensuring effective material transport while reducing the risk of material rollback or spillage.

CONSISTENT QUALITY

Manufactured to DIN22102 and Smiley Monroe standards in our state-of-the-art facility, Smiley Monroe belts are routinely inspected and quality tested in our in-house belt-testing lab.

TECHNICAL KNOW-HOW & PRODUCT SUPPORT

With over 45 years experience under our belts, we've stayed close to our customers to understand your machine, your material and your application. We thrive on problem solving and are determined to provide our customers with products which offer maximum uptime, wear life and process efficiency.

Applications like road milling demand conveyor belts that can handle abrasive materials while operating at high speeds. ROADCLEAT™ from our INTEGRACLEAT™ range is designed to perform in these conditions, helping operators maintain reliable performance and maximise uptime.

JAMIE GILLESPIE, PRODUCT SUPPORT ENGINEER, SMILEY MONROE



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