

FLOOR TESTING & SURVEYING

BECAUSE MILLIMETRES MATTER IN MOTION

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WHO ARE WE.

EXCELLENCE FROM THE GROUND UP

For more than two decades, DC Flooring has become a trusted supplier and installer of premium-quality flooring around the U.K., extending their services throughout Europe. Our growth is attributed to our customer-focused culture and outstanding workmanship. Our operations are large enough to tackle both major and small projects without any compromise on service and commitment. The result is faultless floors on time, on budget, and with minimal disruption to you.

FULL FLOORING SOLUTIONS: FROM START TO FINISH

Our in-house team offers end-to-end flooring products and services – from preparation and installation to long-term repairs – using our own equipment/ machinery. That means one trusted team rather than the cost and resources required to co-ordinate different teams of contractors. It also reduces the downtime and fuss, so you can get back to business as quickly as possible.

CUSTOMER-FOCUSED, TAILORED APPROACH

Customer satisfaction is our priority – put into practice through methodical planning and meticulous execution. We tailor our advice based on the unique requirements of every project and ensure transparency and clear communication until project completion. This results in maximised value and return on investment, with projects completed on time and on budget - every time.

QUALIFIED AND ACCREDITED

Our in-house, approved installers work to meet and exceed industry benchmarks – with a culture of evolving training for every member of our team. Our customers have the assurance that every project is undertaken to meet the highest standards. Every system we install also comes with a full guarantee. In person and on paper, exceptional flooring is our primary aim.

OUR WORK TODAY CONSIDERS TOMORROW

Our work is ongoing to mitigate the environmental footprint of our flooring. Our operations are conducted in a way that minimises waste and pollution, utilising the most environmentally friendly flooring system on the market. This environmental bedrock extends to our suppliers – and we constantly evaluate, monitor, and adapt to provide high-impact flooring with a reduced impact on the environment.

INSIGHTS SHAPED BY EXPERIENCE

Our outlook is unique. This comes from the diversity of our team – its distinct areas of expertise and years of passion and experience. We are specially placed to devise solutions, innovate, and advise with the needs of our customers in mind.

ONLY THE BEST EQUIPMENT & MACHINERY

All our in-house services provide a one-stop-shop solution using our own equipment and machinery. We have invested in the best, which translates into outstanding outcomes for our clients. This includes minimal dust and fuss and competitive pricing.



CROSS SECTOR SERVICES.

Our skills and experience span a range of industries. Commonly serviced sectors include



INDUSTRIAL AND WAREHOUSING



MEDICAL AND PHARMACEUTICAL



ROBOTICS AMR, ACR, G2P AND AGV IN WAREHOUSES | MANUFACTURING FACILITIES



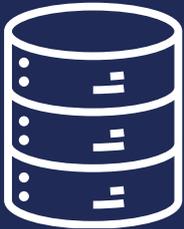
MEDICAL

CROSS SECTOR SERVICES.

Our skills and experience span a range of industries. Commonly serviced sectors include



FOOD AND DRINK PROCESSING



DATA CENTRES



STADIA AND ARENAS



CROSS SECTOR SERVICES.

Our skills and experience span a range of industries. Commonly serviced sectors include



**AUTOMOTIVE SHOWROOMS |
MANUFACTURING FACILITIES**



CAR PARK DECKING



AEROSPACE | ENGINEERING



AUTOMOTIVE

OUR SERVICES.

FLOOR TESTING AND SURVEYING

- Defined Movement
- Free Movement
- AutoStore
- Robotic Automation
- Abrasion Resistance
- Slip Resistance
- MOHS Scale of Hardness
- Gloss Testing, Micro Roughness Test & Friction Test

CONCRETE SOLUTIONS

- DCF Express Polished Concrete
- Concria Optimal Slab
- Concria Optimal Screed
- Polished Concrete Installations
- Superflat Flooring
- Microcement

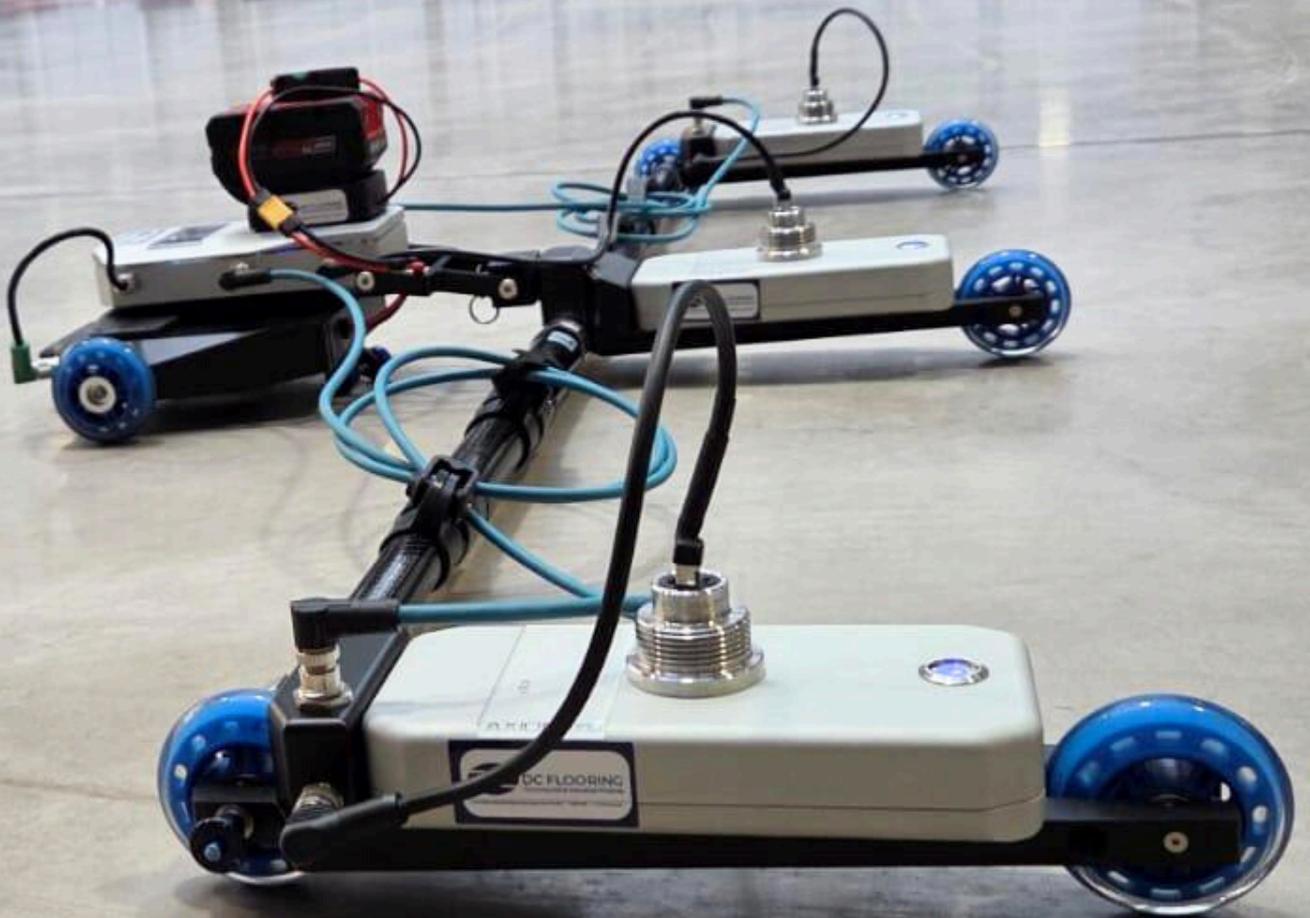
RESINS

- High Build Epoxy
- PU Screed
- MMA Resin
- Comfort Flooring
- ESD Flooring
- Microcement

PREPARATIONS AND REPAIRS

- Floor Levelling
- Floor Removal
- Floor Scabbling
- Concrete Floor Grinding
- Concrete Repairs Delamination
- Shot Blasting
- Resin Crack Repair
- Epoxy Mortar Repair
- Anchor Bolt Removal

FLOOR TESTING AND SURVEYING.



At DC Flooring, we specialise in high-precision floor flatness surveying & testing for industrial and warehousing environments. Whether for Automated Mobile Robots (AMR), Very Narrow Aisle (VNA) systems, high-bay racking, or defined/free movement zones, an accurately level and flat floor is essential to safe, efficient operations.

Our services identify irregularities (high spots, low spots, uneven expansion joints, etc.), check surface quality, and produce independent, compliant reports to international standards such as TR34, ACI and DIN Specifications.

We employ the latest laser scanning and digital profiling technologies to assess Free Movement, Defined Movement and Robotic Automation floor types. Our measurements are tailored to each site's requirements—from complex robotics grids to high-density distribution centres. The insights we deliver help reduce material handling wear and tear, vehicle vibration, downtime; protect inventory; improve safety; and ensure long-term floor durability.

ALL INTERNATIONAL FLOORING STANDARDS & COMPLIANCE.



TR34 (UK – CONCRETE SOCIETY)

The most widely used specification for industrial concrete floors in the UK. TR34 covers both Free Movement floors (general warehouse use) and Defined Movement floors (VNA and applies to some robotic systems). It sets limits for flatness, levelness, and surface regularity to ensure safe and efficient operation of MHE (Materials Handling Equipment).

DIN 18202 (GERMANY/EUROPE)

The German standard for flatness and levelness, often used across mainland Europe. DIN 18202 is highly detailed and widely recognised, particularly for facilities requiring high-precision surfaces such as automated distribution centres and robotic floors.

ASTM (USA – AMERICAN SOCIETY FOR TESTING AND MATERIALS)

ASTM standards, particularly ASTM E1155, are widely applied across the US and internationally. They provide guidelines for FF (Floor Flatness) and FL (Floor Levelness) numbers, offering measurable benchmarks that can be compared globally.

OTHER INTERNATIONAL STANDARDS

Beyond TR34, DIN, and ASTM, we also align with international client specifications and bespoke project requirements, ensuring compliance no matter where your operation is based or what system of material handling you choose. This guarantees your floors meet the correct performance criteria for safety, efficiency, and long-term durability.

DEFINED MOVEMENT

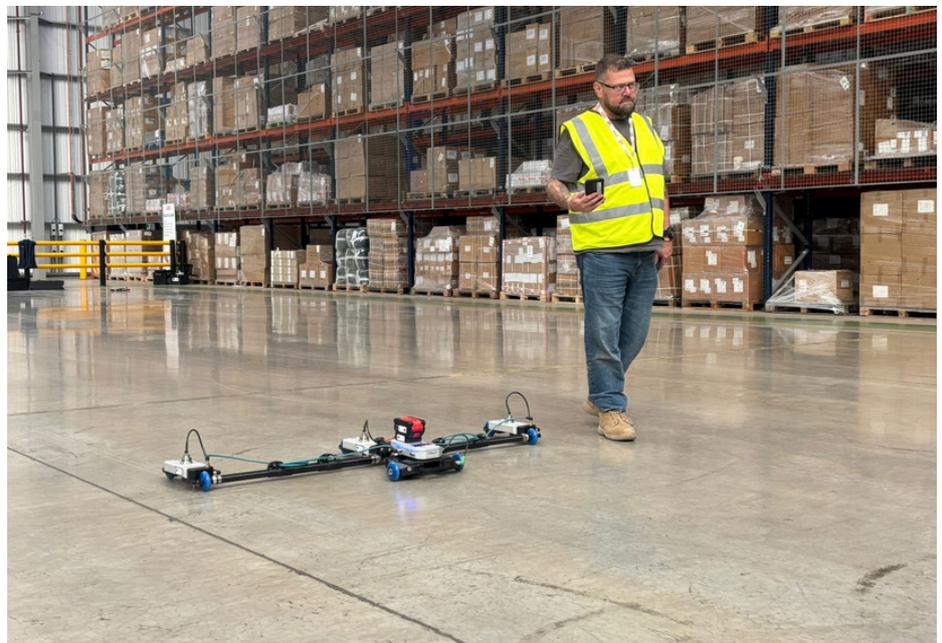
Defined Movement surveys are designed for floors supporting Very Narrow Aisle (VNA) operations, where forklifts run along fixed, predetermined tracks. Precision is critical because any deviation in flatness or levelness can directly impact stability, safety, and efficiency.

SUITABLE FOR:

- Warehouses with VNA racking systems
- Facilities using guided forklift trucks
- High-bay Distribution Centres
- Automated Robotic Picking Systems such as ACR's

BENEFITS

- Ensures safe, smooth movement of forklifts in aisles as narrow as 1.6m.
- Reduces wear and tear on MHE, lowering long-term costs.
- Increases pick accuracy and operational efficiency.
- Compliant with TR34 and DIN standards for high-tolerance flooring.



FREE MOVEMENT

Free Movement surveys assess floor flatness and levelness for facilities where equipment can move in all directions without restrictions. This type of testing provides a practical benchmark for large, open warehouse operations.

SUITABLE FOR:

- General warehouses
- Manufacturing facilities
- Logistics hubs with varied traffic patterns
- Data Centres

BENEFITS

- Ensures uniform performance across wide floor areas.
- Reduces risk of MHE and pallet damage caused by uneven surfaces.
- Optimises efficiency for both manual and automated MHE's.
- Measured to TR34 and international standards, ensuring global compliance.



AUTOSTORE

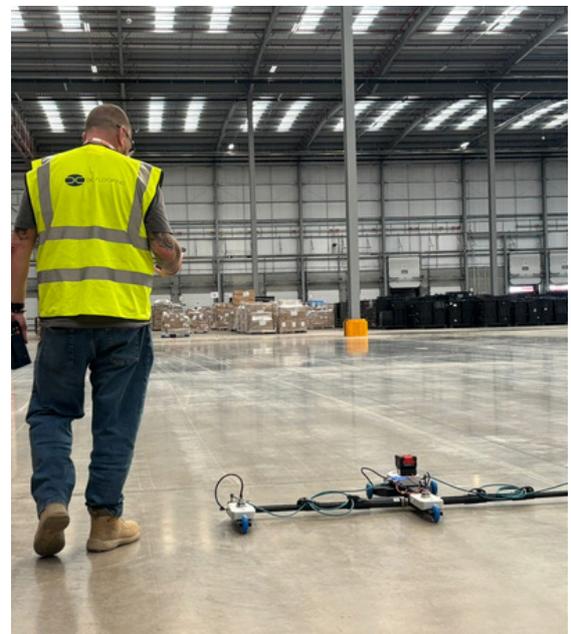
AutoStore systems are highly efficient cube storage automation solutions, requiring exceptionally precise floor tolerances. Surveys for AutoStore floors ensure the stability of the flume of pick boxes within the grid and reliable long-term performance of the robotic system.

SUITABLE FOR:

- E-commerce and retail distribution centres
- Fulfilment centres with high SKU density
- Automated storage and retrieval system (ASRS) environments

BENEFITS

- Guarantees the stability of AutoStore grids and box flumes.
- Minimises downtime by reducing the risk of robot malfunctions.
- Supports ultra-fast order fulfilment operations.
- Ensures compliance with both supplier and international specifications.



ROBOTIC AUTOMATION

With the rise of Autonomous Mobile Robots (AMRs) and automated guided vehicles (AGVs), robotic automation surveys ensure floors meet the precision and flatness requirements these systems demand. Even minor deviations can affect navigation and productivity.

SUITABLE FOR:

- Smart warehouses and factories
- Facilities deploying AMRs, AGVs and other robotic systems
- Pharmaceutical and high-tech manufacturing
- G2P environments

BENEFITS

- Ensures seamless navigation for robotics using LIDAR and sensor systems.
- Reduces maintenance costs by preventing misalignment or uneven wear.
- Improves safety and workflow consistency in automated facilities.





ABRASION RESISTANCE

Abrasion resistance measures how well a flooring material can handle wear, impact, friction, and environmental stress without breaking down. In industrial settings (warehouses, robot paths, heavy foot or vehicle traffic), surfaces are constantly exposed to forces that can scratch, chip, or erode them. Good abrasion resistance means fewer repairs, less downtime, and a longer lifespan.

HOW WE DO IT

We use standard methods like the BS EN 13892-4: 2002, plus surface treatments like dry-shake hardeners, concrete mix design optimisation, and top coatings and densifiers to boost resistance.

Subfloor preparation, curing, and use of hard-wearing aggregates are also critical.

BENEFITS

- Surfaces with greater abrasion resistance preserve aesthetics and integrity longer (less scuffing, fewer repairs).
- Heavy-duty resin or PU screed systems can resist chemicals, impacts, and frequent loads.
- Liquid Densifiers penetrates the micro pores of the substrate chemically reacting and producing a harder dust proof finish
- Dry-shake toppings and surface hardeners increase density and wear resistance when applied correctly.
- Ultimately lowering total cost of ownership. Resulting in less frequent maintenance, less dusting, lower repair/manufacture downtime.



SLIP RESISTANCE

Slip resistance (or slip-testing) determines how safe a surface is under wet, dry or slippery conditions. For any area where moisture, spills, or oils may be present — think industrial processing, kitchens, warehouse walkways — getting the right friction level is essential to avoid slips and health & safety risks.

HOW WE DO IT

At DC Flooring we use tests like the wet pendulum test (British Pendulum Number / BPN), dry friction testers, and sometimes barefoot incline platform tests.

We evaluate under both wet and dry conditions. Surface texture can be modified using coatings / aggregates / textured finishes.

BENEFITS

- A good slip-resistant floor reduces accidents and potential legal risk.
- Finished surfaces can be tailored (more grip, texture) based on use (e.g. wet zones, spill zones).
- Regular maintenance matters — accumulated grime or wear can degrade slip resistance over time.
- Choose coatings or flooring systems with known slip performance to match hazard levels.



MOHS SCALE OF HARDNESS FOR FLOORS

The Mohs Scale is a measure of mineral hardness (1-10) used to describe how resistant a surface is to scratching or abrasion. In flooring, knowing the hardness of aggregates or surface finish helps predict how well a floor will resist scratching (e.g. from debris, machine parts, pallets) and maintain appearance.



HOW WE DO IT

The MOHS Hardness Test checks how tough a surface is by seeing which minerals can scratch it. The test uses tools rated from 1 (soft, like talc) to 10 (very hard, like diamond). Starting from the softer end, each tool is pressed against the surface.

If it scratches, the surface is softer; if not, you try the next harder tool. The hardest tool that leaves a scratch shows the surface's hardness level.

BENEFITS

- Higher Mohs hardness → longer appearance retention, less visible wear.
- Mohs rating helps decide aggregate / top coating blend.
- Not always the full picture: hardness must be accompanied by good surface finish and maintenance.
- For high-traffic, robotics, or exposed environments (where debris/abrasive contact is likely), go for higher hardness materials.

GLOSS TESTING, MICRO ROUGHNESS TEST & FRICTION TEST

Gloss testing measures how shiny or reflective a floor surface is; micro-roughness / friction tests measure fine texture and grip. Together, they give a picture of both aesthetics and safety: too much gloss may increase slip risk; micro roughness helps grip; friction defines how well someone walking or machinery moves without slipping.

HOW WE DO IT

We measure gloss levels to ensure floor polish / concrete / resin finishes meet visual & lighting needs. Micro-roughness / friction using instruments for slip resistance as discussed (pendulum, dry friction test etc.).

Adjust texture via coating, aggregate inclusion or finish technique.

BENEFITS

- Glossy surfaces reflect light, improving visibility in warehouses. But must be balanced with slip safety.
- Fine texture (micro-roughness) can be engineered to increase grip without making cleaning difficult.
- Friction tests let you measure actual slip risk under expected conditions (wet/dry).

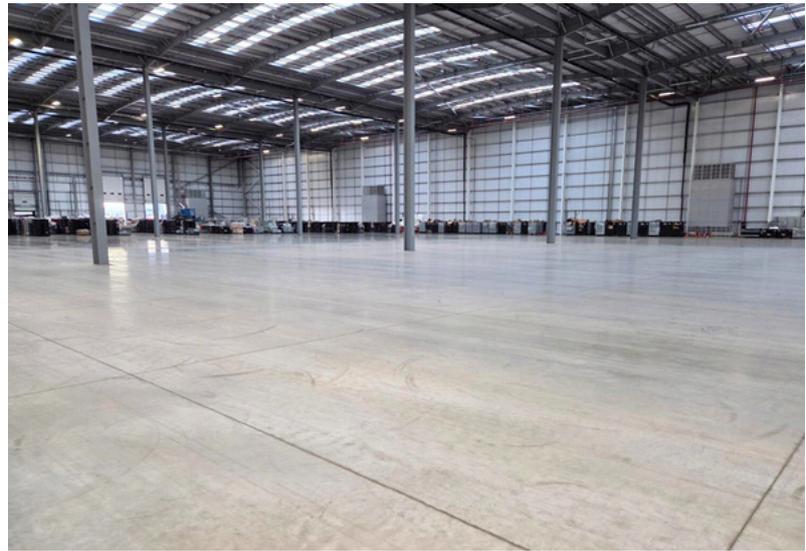


VNA AND HIGH BAY RACKING WAREHOUSES

Very Narrow Aisle (VNA) and High Bay warehouse flooring are designed for facilities where racking is extremely tall, aisles are tight, and forklift or automated guidance is precise. Floors must meet strict flatness and levelness tolerances to ensure machinery can operate safely and efficiently at height, while also providing the strength and durability to withstand heavy traffic, loads, and long-term use.

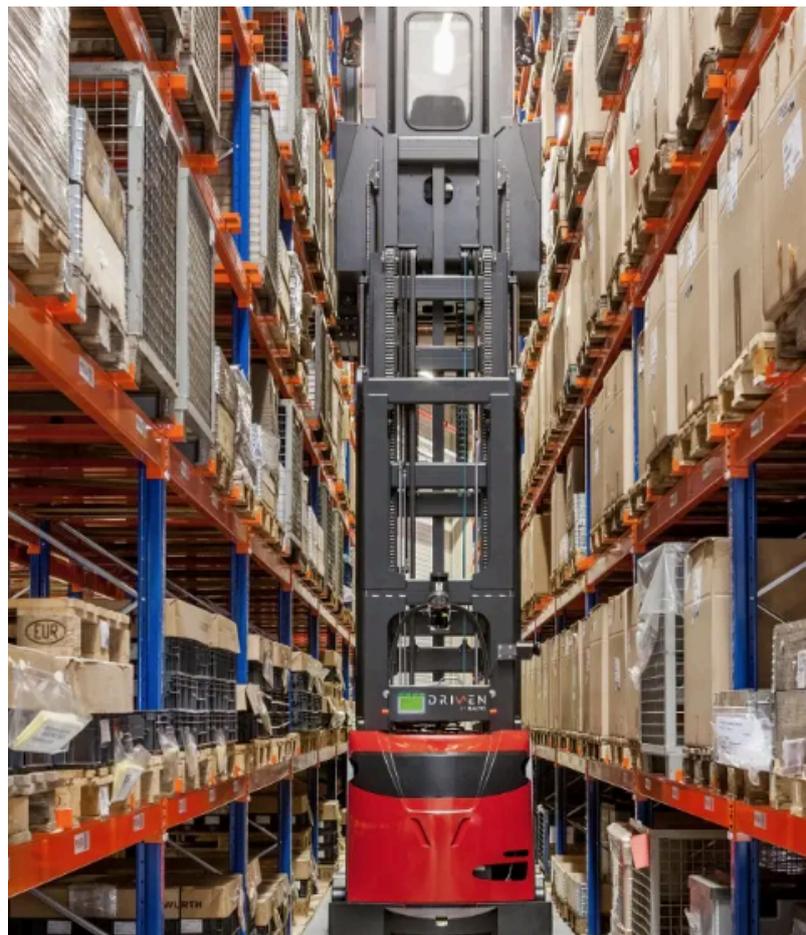
HOW WE DO IT

We deliver superflat flooring systems through advanced digital profilograph surveying, remediation to TR34 and all international standards. We also provide construction joint repair, resin build-ups, and PU or abrasion-resistant toppings where needed. Subfloor preparation, curing, and joint maintenance are critical to delivering durable, safe, and compliant warehouse floors.



BENEFITS

- VNA layouts improve storage density — higher racks, more pallets per square metre.
- Superflat, calibrated surfaces reduce forklift wear, lower maintenance costs and increased efficiency.
- Poor flatness leads to instability, safety risks, and slower travel times.
- Durable, slip-resistant finishes withstand forklift impact, dropped loads, and heavy wear and tear.
- High bay warehouses require excellent surface visibility — gloss, reflectivity, and cleanliness help avoid shadows, accidents, and ensure operational efficiency.





BOSCH
Professional
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AFTER SALES SUPPORT & REMEDICATION

At DC Flooring, our commitment doesn't end once your floor testing and surveying is complete. We provide full after-sales support, including detailed reporting and practical recommendations to ensure your floors remain compliant and operationally efficient. Where results highlight issues such as unevenness, excessive wear, or out-of-tolerance surfaces, our specialist team offers tailored remediation solutions, from grinding and resin build-ups to joint repairs and surface treatments.

This end-to-end service ensures that not only are potential problems identified, but they are also resolved quickly and effectively, helping you maintain safe, durable, and high-performing warehouse or industrial floors.

HIGH TOLERANCE GRINDING

For projects where absolute precision is required, our high tolerance grinding service ensures your concrete floors achieve the exact flatness and levelness demanded by modern equipment and warehouse operations.

Using advanced machinery and laser-guided technology, we remove surface variations to deliver a smooth, even finish that meets the strictest international standards. We provide localised spot grinding or full aisle grinding to any floor specifications — no matter how stringent, ensuring your floors are perfectly prepared for high-performance industrial environments.

BENEFITS

- Achieves precise flatness and levelness to any specification, including international standards
- Spot or full-aisle grinding tailored to your exact requirements
- Dust-free grinding process for a cleaner working environment
- Reduces wear and tear on automated machinery and material handling equipment
- Optimises operational efficiency in high-traffic industrial environments
- Extends the lifespan of your concrete flooring and coatings



EXPANSION JOINTS

We install and repair expansion joints to ensure your concrete floors can accommodate movement, temperature fluctuations, and heavy traffic without cracking or failing. Properly designed and installed joints protect your investment, reduce maintenance costs, and extend the life of your flooring.

Our team works to the highest standards, tailoring joints to your specific floor layout and operational requirements. Whether you need new installations or repairs, we ensure your floors remain durable, safe, and fully functional under even the most demanding industrial conditions.

BENEFITS

- Absorb floor movement caused by temperature changes, loads, and shrinkage
- Prevent cracks, surface failure, and costly repairs
- Reduce ongoing maintenance requirements
- Extend the lifespan of concrete floors and coatings
- Enhance safety for staff, machinery, and high-traffic areas
- Customisable to meet any operational or industrial specification



WHAT MAKES US DIFFERENT?

Raising the Standard — While Bringing Down the Cost of Floor Flatness Surveying and Diamond Grinding Across Europe

THE PROBLEM

- Clients are often overpaying for remedial works without full visibility of what's being achieved.
- Traditional survey methods require surveyors and equipment to remain on site daily, with unclear productivity and variable accuracy.
- In short — it's expensive, inconsistent, and difficult to verify.



PRECISION WITHOUT COMPROMISE

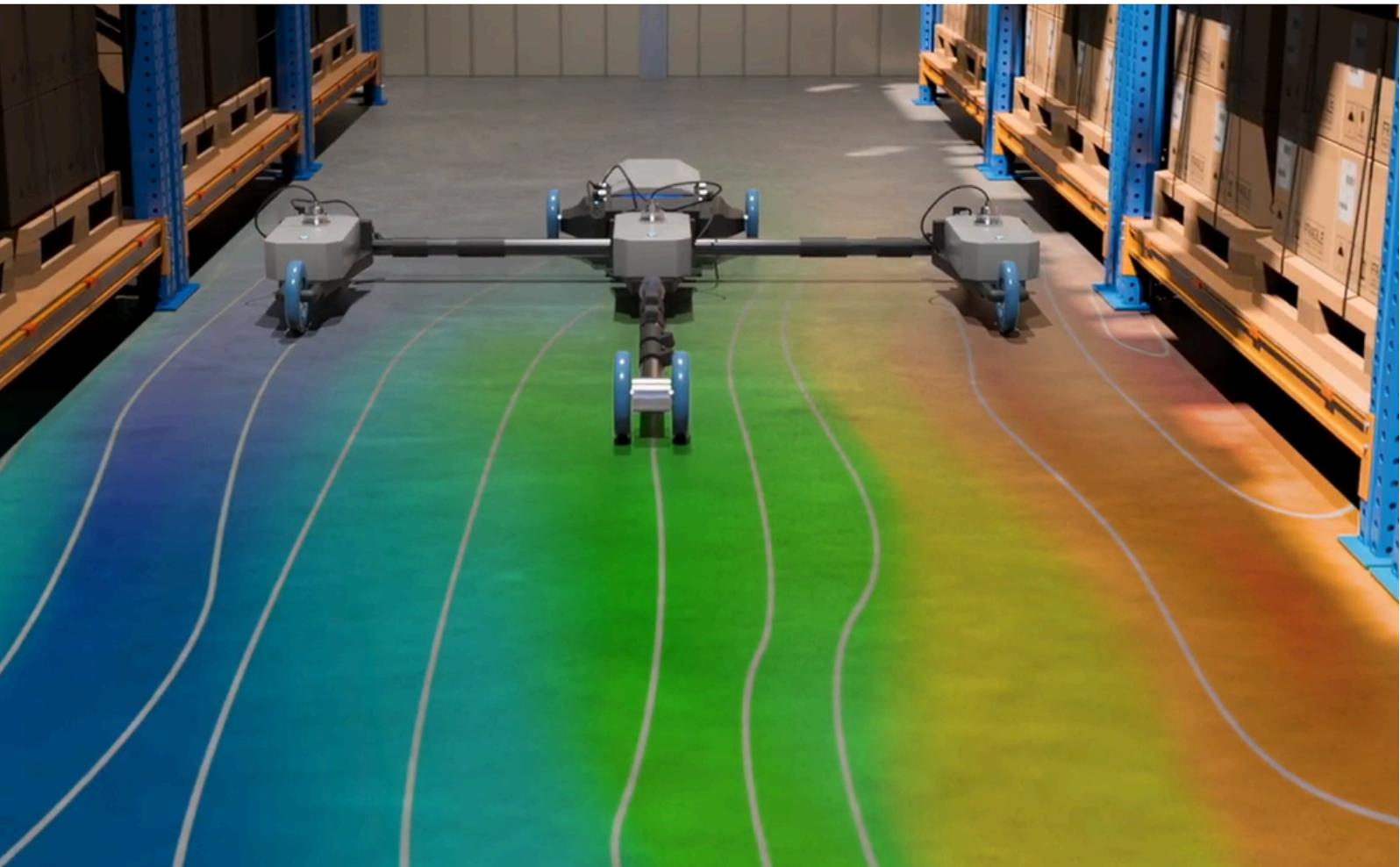
- We use the most accurate surveying equipment available, collecting data every 25mm along its path — twice the resolution of most competitor systems (typically 50 mm).
- Our automatic laser-guided system removes the risk of human error. To prove it, we'll survey the same run twice — the results will be the same. Try the same with a manually guided system, and you'll see the difference.
- Machines don't fatigue — people do. Manual guiding introduces variability as operators tire. Our system stays precisely on course, at the same speed and along the exact path every time.

GREATER PRODUCTIVITY

- With minimal human interaction required, we can survey larger areas in less time, reducing project durations and costs.
- This efficiency translates directly into measurable savings for our clients.

CHALLENGING OVER SPECIFICATION

- Our equipment can survey to any standard or specification.
- However, many existing specifications are unnecessarily stringent, adding cost without benefit.
- We can analyse a floor you're already happy with, identify its actual tolerances, and help redefine your specification to achieve the same performance at lower cost — potentially saving significant sums on future projects.



COMPLETE TRANSPARENCY

- Before we begin, we provide a comprehensive grind report showing exactly what work is needed and where — eliminating “grinding for the sake of it.”
- Our surveyors mark the floor, ensuring clarity and consistency throughout the remedial process.
- Clients can visually track progress, seeing precisely how much grinding is required and the rate it’s completed at.
- On completion, you’ll receive a full verification report confirming the floor meets the agreed tolerance.



RESULTS DRIVEN

- More accuracy
- More transparency
- More productivity
- More value

We deliver clarity, confidence, and measurable savings — proving that precision doesn't have to come at a premium.



DC FLOORING
Commercial & Industrial Finishes

let's work together

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