



## Crack Detection & Repair Services

Specialists and leaders in **crack detection** of spray dryers, process tanks and other vessels. We provide the most **efficient and environmentally friendly service** currently available in the food and beverage industry.

We ensure that your **downtime is minimised** and audit requirements are met.

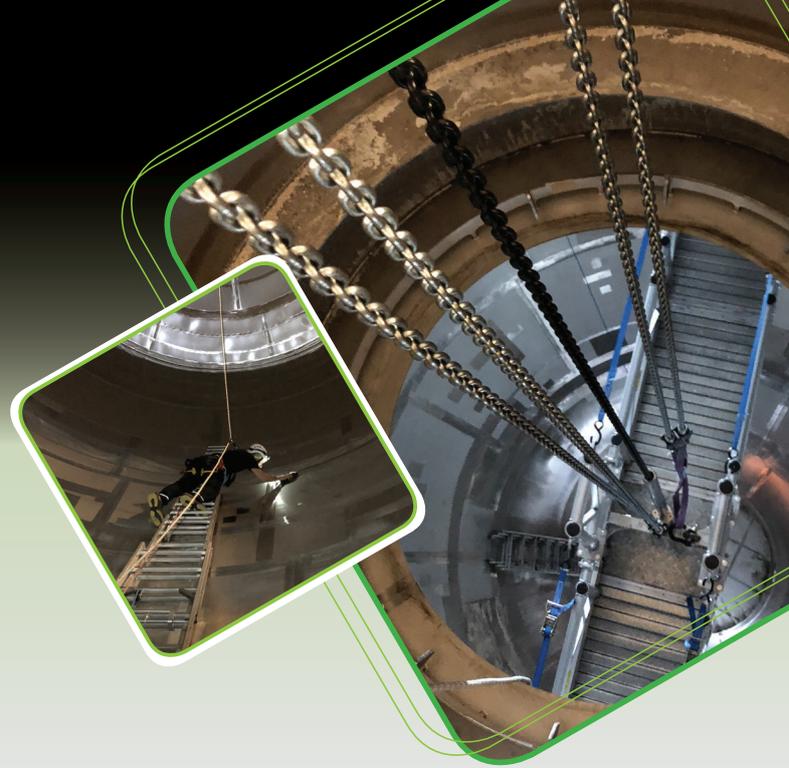
### OUR VALUES

Our customer's satisfaction is our priority. We believe in providing an **efficient and quality service**, and ensuring the **safety** of our workforce and our client's plant.

### EXPERTISE

Our teams have **years of experience** inspecting and repairing spray dryers/vessels. Our experts consist of **fully qualified inspection technicians, welders and safety technicians (IRATA)**.

Our fully certified IRATA **rope access specialists** guarantee our team's safety. Ropes allow flexible access and movement inside and around the vessels, ensuring your equipment is **fully inspected and repaired**.



### MAGNERSCAN TECHNOLOGY

Our method of **crack detection** can be used on Spray Dryers, Process Tanks, Cyclones, Fluid Beds, Air Heaters, and Cheese Vats/Tables.

Magnerscan can **electronically** detect defects such as: cracks, incomplete welds, corrosion cavities, porosity and other defects that can cause cross-contamination and/or bacteria in the finished product.



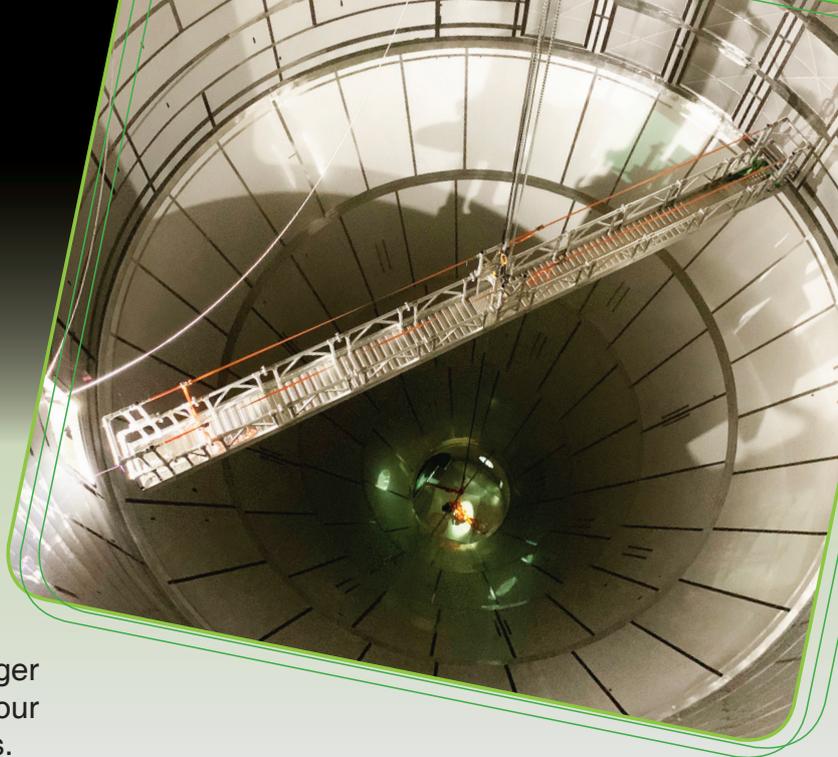
### YOUR BENEFITS

- ✓ **Reduction of downtime** compared to traditional methods (24 to 48hrs completion\*)
- ✓ **No chemicals** or risk of contamination
- ✓ Use of a **portable gantry** (no scaffolding required)
- ✓ Repairs and welding carried out by Bioscan LTD
- ✓ Reporting and certification provided
- ✓ Global availability

*\*dependent on size of spray dryer/equipments to be tested*



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## Crack Detection & Repair Services

### Difficult Access Equipment

## INSPECTION & REPAIRS WITH ROPE ACCESS

Inspecting and repairing complex vessels is no longer a time-consuming challenge, when combining our testing technology with our rope access specialists.

Using our rope access specialists, we can safely lower our technicians into tanks. We can also safely inspect the shafts and other difficult-to-access areas of tanks without the requirement of ladders/scaffolding.

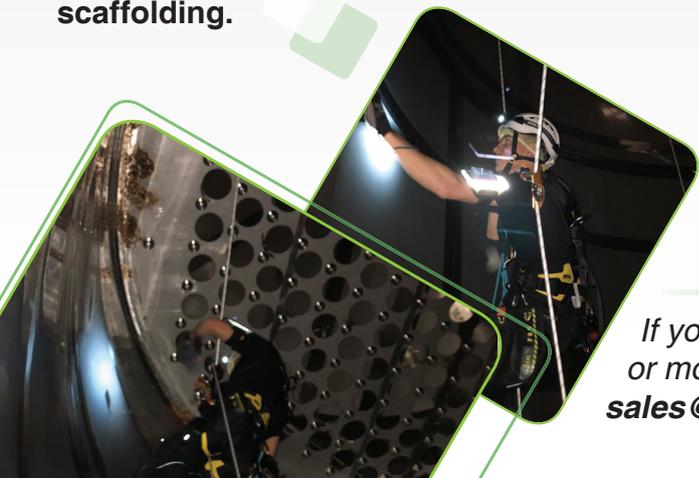
Ensuring that safety is never compromised, our clients' needs for fast and clean inspections can now be achieved in a variety of vessels such as Cyclones, Bag Filters, Process Tanks, Fluid Beds, Air Heaters, and Cheese Vats/Tables.

## CYCLONES / BAG FILTERS

Cyclones and bag filters can often be difficult to access and a challenge to inspect. Bioscan can now offer inspection and repair of these vessels using **rope access methods**.

## TANKS

Access to top manway tanks can cause some safety issues in terms of rescue plans/systems. Using our rope access specialists, we can safely lower our technicians **into tanks**. We can also safely inspect the **shafts** and other normally difficult to access areas of tanks **without the requirement of ladders/scaffolding**.



## ACCESS EQUIPMENT

Our **portable gantry** is adjusted to the suit diameter of the spray dryer chamber (1.5m – 14m adjustable length). It enables 2 technicians to simultaneously work at 180 degrees for a more effective test.

It has a lightweight aluminium design for quick assembly, easy-entry into vessel, and robust construction.

## REPAIRS

As well as carrying out full crack test inspections, our team will repair any cracks found. We then re-test any areas that have been repaired to ensure no further cracking.



*5cm crack found in spray dryer chamber*



*Crack repaired and polished*

## Average Inspection Time:

*\*dependent on size*

**Tanks:** 0.5-1.5 hours

**Cyclones:** 2-4 hours

**Bag filters:** 3-6 hours

*If you would like to contact us for a quotation or more information, then please email us: [sales@bioscanltd.co.uk](mailto:sales@bioscanltd.co.uk) or visit [www.bioscanltd.co.uk](http://www.bioscanltd.co.uk)*