

# POLARICETECH

Dry Ice Blasting Specialists



**SURFACE PREPARATION  
WITH DRY ICE BLASTING**

[www.polaricetech.ie](http://www.polaricetech.ie)



## SURFACE PREPARATION WITH DRY ICE BLASTING

- Ideal for NDT
- Removes only flaking and chipped coatings
- Doesn't pit metal surface
- Faster and more effective
- No secondary waste
- Non-abrasive
- Eco-friendly

### Is Dry Ice Blasting suitable for Non-Destructive Testing preparation?

Dry Ice Blasting is ideal for surface preparation prior to NDT of weld lines, boiler tubes and any pressured pipe work, etc. Dry Ice Blasting cleans to a superior standard at a faster speed compared to alternative methods such as grinding or use of a needle gun.

### What are the benefits of Dry Ice Blasting?

The majority of paint and coating failures are caused by insufficient surface preparation. Effectively preparing surfaces for re-coating, coating, painting or cosmetic finishings is essential if a lasting finish is to be achieved and to avoid premature rework. Dry Ice Blasting is effective in removing contaminants including rust, grease and oil, as well as cleaning the surface to a superior standard, allowing for full surface preparation.

It may often be unnecessary to remove all the paint and coatings from the surface. Often, the removal of poor quality coatings and achieving a high quality finish is all that is necessary for good surface preparation.

Dry Ice Blasting only removes paint and coatings where the bond is broken (chipped or flaking). Where the bond is broken, it will clean the surface and remove all loose coatings. Dry Ice Blasting does not remove good quality coatings, but cleans them to a high standard, ready for touch-up.

The abrasive nature of alternative surface preparation methods (grit, sand, bead, glass blasting etc) will remove all surface coating, even where the coating is in good condition, resulting a larger project scope and cost, which is sometimes unnecessary.

Dry Ice Blasting is a non-abrasive process, and does not strip paint or coatings that are not damaged, reducing time and costs. Focusing on removing only poor quality coating while keeping coating of good quality significantly reduces the scope of the work, and ensures work is completed faster than alternative methods.

Dry Ice Blasting does not produce any secondary waste stream. This has significant effects on the cost of waste removal and disposal, as the primary contaminant is the only source of waste. It also minimises the amount of time needed for clean-up, cutting costs further.

Dry Ice Blasting is completely moisture free, ensuring that no additional oxidation will occur.



RUST EASILY REMOVED FROM A VALVE WITH DRY ICE BLASTING

### How can Polar IceTech help?

At Polar IceTech we are Dry Ice Blasting Specialists with nearly 15 years of experience working with leading companies in Ireland and the UK.

We have in-depth experience in surface preparation for a range of purposes including new paint work, re-coating and preparation for NDT Testing. Our teams are highly trained in all Dry Ice Blasting techniques and we comply fully with all Health & Safety legislation.

Learn more about Dry Ice Blasting  
[www.polaricetech.ie](http://www.polaricetech.ie)



CONTAMINANT EFFECTIVELY REMOVED FROM A FLANGE AFTER DRY ICE BLASTING



CLICK THE IMAGE TO WATCH A SURFACE PREPARATION PROJECT WITH DRY ICE BLASTING

Multi Award Winning Company



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T (ROI): +353 (0)21 4232020

T (NI / UK): +44 (0)28 95680037