

THE SURFACE FINISHING EQUIPMENT GROUP

SALES – SERVICE - HIRE
TRAINING – INSTALLATION

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- Shot Blasting Equipment
- Paint Spraying Equipment
- Powder Coating Equipment
- Fixed Extraction Booths
- Mobile Dust Extraction
- Personal Protection Equipment
- Shot Blasting Abrasives
- Spares and Consumables
- Plural Component Systems

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- Complete Finishing Plants
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Surface Finishing
Equipment Group

INTRODUCTION TO BLAST CLEANING

Surface Preparation is used to remove existing paints, corrosion, oxidization, or graffiti and to give the surface an etch to allow coating adhesion. In many cases Abrasive Blast Cleaning can provide the optimum method of surface preparation.



ADVANTAGES OF BLAST CLEANING

- Faster than other methods such as wire brush, chipping hammer, needle scaler.
- Fastest production of all techniques of surface preparation.
- Fully Controllable - Selection of equipment type, abrasive media used, pressures, duration of blast etc., allows for a light blast of stonework to 'full back to white metal' preparation of heavily contaminated steel.
- Can be used to both remove existing coatings and give a surface profile to ensure a strong bond with the new coating when it is applied.
- Low vibration compared to alternatives methods

TYPES OF BLASTING

- Pressure Blast - a pressure vessel using dry abrasive media is a popular economical and versatile method of blasting for most applications
- such as removing rust from bridges and other steel structures. Can be fitted with a vacuum system to provide a dustless operation.
- Wet Blast - in situations where dust free or a gentler blast without damaging the underlying surface is required the Satblast unit is ideal.
- Applications include removing graffiti from stonework, and white line removal from roads, and dustless blasting of steelwork.
- Wheel Blast - used in fixed installations with ball shot to clean and peen surfaces by impact.
- Suction Blast - used when more gentle cleaning is needed, requires less equipment.

OPEN OR CONTAINED BLASTING

- Open Blast - often used by on-site contractors where the media will not be recovered.
- Blast Rooms - provide an enclosure for containing dusts and collecting and recovering media.
- Blast Cabinets - normally used to blast smaller objects in a contained environment.

BLAST MEDIA

A large variety of medias can be used each with its own performance and cost trade-offs. The main categories are:

- Expendable Abrasives - these are low cost one use only abrasives.
- Reusable Abrasives - these are initially more expensive can be used several times where collection and recovery is possible.

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Data Sheet DS-3