

THE SURFACE FINISHING EQUIPMENT GROUP

SALES – SERVICE - HIRE
TRAINING – INSTALLATION

NORTH EAST BRANCH

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NORTH WEST BRANCH

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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

Ercon Finishing Systems
Willenhall. UK. WV13 2JW

Tel. 01902 601 312
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- Complete Finishing Plants
- Design engineers and CAD
- Industrial Ovens
- Conveyors
- Pre-treatment systems
- Electro Painting Systems



Surface Finishing
Equipment Group

Soda Blast System



Soda Blast Pot [left]
Optional Hose Set with Control Lines [middle]
Optional Water Induction Blast Nozzle [right]

Our Soda Blasting Pot has been custom designed for the particular demands of soda blasting and includes various features in order to ensure smooth uninterrupted flow of abrasive, with a high level of abrasive control.

SODA BLASTING INTRODUCTION :

Soda Blasting is a process in which a controlled mix of blasting soda (sodium bicarbonate) and compressed air is applied against a surface at high speed. This non-destructive method creates micro fragmentation on impact, exploding away surface materials without damage or etch to the underlying surface.

ADVANTAGES :

- Gentle Cleaning action – little or no effect to the underlying surface
- De-Greasing effect - removes grease, carbon, salt or other contaminants as it blasts
- Environmentally friendly – Soda is non-toxic and no additional chemicals are required
- Reduced Waste - soda dissolves in water and therefore easy to dispose.
- Natural Rust Inhibitor – on a ferrous metal surface rust will not form
- Creates less heat than standard blasting - minimizing risk of object warping.

EXAMPLES OF APPLICATIONS :

- Building cleaning & graffiti removal – concrete monuments, or wooden structures
- Food industry - soda itself is not toxic and can be washed away
- Delicate Machinery & component refurbishment – such as bearings or seals
- Petrochemical industry - unlike normal abrasives, soda does not produce sparks on impact, and Soda is non flammable.
- Fiberglass Boat Hulls
- Mold and fire / smoke damage - Soda has a deodorizing property

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High Quality Air Dryer [left]
Safety Fill Guard [middle]
Air Operated Soda Control Valve [right]

FEATURES AND OPTIONS

The Soda pot can be supplied as a basic pot, or with customer options to suit your application.

Standard Features:

- **Pressure Regulator** – this standard feature allows fine control of blast pressure
- **Abrasive Metering Valve** – allows for fine control of Soda into the air stream
- **Pneumatic Vibrator** - adjustable pneumatic vibrator improves flow of the finest abrasives
- **Water Separator** - water separator mounted on the blast pot
- **CE marked** - conforms to protection requirements relating to the Safety of Machinery 2006/42/EC by application of standards EN ISO 12100 Parts 1 and 2: 2003 and EN ISO 12141: 2007
- **Blast Pot Shell** - with maximum working pressure of 12.0 bar
- **Safety Features** - Pressure safety valve, Filling Guard, Remote Control shut off System

Optional or Package Features:

- **Air Dryer** - the pot is normally supplied with a high quality air dryer in order to ensure that only dry air reaches the abrasive media, essential for consistent soda flow.
- **Hose Set-**
Can be supplied with 10 metre hose set – blast hose, twin remote control hose, 3 ported remote control handle, and blast nozzle.
- **Personal Protective Equipment** –
Nova Helmet, and Radex Breathing Air Filter
- **Wet / Dry Nozzle** –
The Nozzle mixes air and water inside the nozzle tip for effective dust suppression.
- **Water Pump** –
air driven water pump to draw water from a tank (where a mains supply is not available) to provide water to the Wet/Dry Nozzle was dust suppression or wash-down.

Notes :

This brochure is intended for information purposes only and does not constitute official guidance or claim guarantee of performance or results. These products only provide correct and safe performance when used in accordance with manufacturer's instructions.