

THE SURFACE FINISHING EQUIPMENT GROUP

SALES – SERVICE - HIRE
TRAINING – INSTALLATION

NORTH EAST BRANCH

**Hogg Blasting
& Finishing Equipment Ltd**
Washington, UK. NE37 1PR

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info@hoggblasting.com

NORTH WEST BRANCH

Abraclean Ltd and
Jedtec Finishing Equipment
Stockport, UK. SK5 7PP

Tel: 0161 480 8087
sales@abraclean.co.uk

- 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
sales@erconfinishing.com

- Complete Finishing Plants
- Design engineers and CAD
- Industrial Ovens
- Conveyors
- Pre-treatment systems
- Electroplating Systems



Surface Finishing
Equipment Group

Blasting Nozzles

Use of the correct Blast Nozzle is essential for an efficient blasting operation. Consideration must be given for the factors shown below.

- **Nozzle Shape:** Our standard nozzles utilise a venturi bore to create a wide blast pattern and increase abrasive velocity as much as 100% for a given pressure. This can give a 40% increase in productivity compared to straight bore nozzles. Our straight bore nozzles give a narrow concentrated blast pattern for spot blasting or cabinet work.
- **Nozzle Bore:** A large bore nozzle will allow high production rates if the volume and pressure of the air supply from the compressor is sufficient. If the nozzle bore does not match the compressor output the media will not leave the nozzle at high enough velocity to ensure blasting efficiency resulting in wasted abrasive and slowed rates.
- **Nozzle Material:** As the nozzle wears, the air requirement increases and if the air supply is not sufficient, pressure will drop and blasting efficiency will reduce.

SILICON CARBIDE NOZZLE

Our highest performance silicone nitride venturi nozzles are designed to potentially give many advantages over alternative materials. They can offer service life and durability similar to tungsten carbide, typically 20 times more wear resistant than boron alloy, are only about half the weight of tungsten carbide, and resist shatter better than silicon carbide. Complete with protective polyurethane jacket. Ideal for use with hard abrasives such chilled iron, and aluminium oxide.



BORON ALLOY NOZZLE

Our lowest cost venture nozzle. Ideal for contractors using expendable abrasives such as a J Blast, or Stonegrit. Requires the use of an LR1 Retainer to clamp the nozzle into the Nozzle Holder. Also available in a side outlet version.



ANGLED NOZZLE

A range of single and multi-outlet angled nozzles suitable for applications such as blasting in box sections. Available in Tungsten Carbide (1-2-3 outlets), and in Boron Alloy with 1 outlet.



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Blasting Nozzles

WETBLAST HEAD

The Wetblast attachment fixes to the end of the blast nozzle and injects an even supply of water into the abrasive stream as it leaves the nozzle.

This suppresses the dust, but is not as efficient as our Satblast System were the abrasive is fully saturated.

A valve at the head can be used to turn the water on and off. A pressurised water supply is required such as mains ? or pump to feed the water to the head.



ORDER CODES

		Orifice Diameter - inch / mm						
Description	Comment	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"
		3 mm	5 mm	6 mm	8 mm	10 mm	11 mm	12 mm
Silicon Nitride	Full sized, venturi			SN-4/50	SN-5/50	SN-6/50	SN-7/50	SN-8/50
Tungsten Carbide	As above 45 angled				SANS 5			
Boron Alloy	Full sized, venturi				CBSD-5	CBSD-6	CBSD-7	CBSD-8
Boron Alloy	Angled				CBSD-51			
Tungsten Carbide	Mini sized, straight	CT2L	CT3L	CT4L	CT5L	CT6L	CT7L	CT8L
Ceramic	For CS-48			200-075	200-076			
Angled	1-3 outlets	Price on application						
Wet Head		WB-1						

Note :

These products only provides correct and safe performance when used in accordance with manufacturer's instructions.