FRASER PUMP
& engineering

STONE AQUABRADE

- **Fast and Effective**
- **Adjustable power**
- **Minimal Clean-up**
- **Low pressure operation**
- **Effective on hard and soft surfaces**
- **Low usage of grit and water**
- **Low dust contamination**

The system operates by delivering a **mixture of abrasives, water and compressed air** in the form of slurry, against the surface requiring treatment.

The effect is to carry away encrustation ranging **from old paint to corrosion products and soot**. By varying the nozzle pressure and the mix of the slurry, it is possible to obtain various surface finishes from the clearing of **heavily contaminated stone** to **gentle cleaning** of **carved detail on historic buildings**.

The **low pressure** of the system and the use of a **'dead man's handle'** makes the system easy to use and safe for operators and the passing public.

Aquabrade Units can be supplied as a single operator unit, or dual units for two simultaneous operators. The unit will clean high up on multi story buildings with additional hoses, and an adaptation of the system cleans underwater just as effectively.

Fraser Pump & Engineering, a trading company of Blue Pennant Ltd.
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Grit usage

- 1-3kg per minute, commonly uses olivine or garnet 0.5 mm
- 200 kg grit pot

Water

- 1-2 litres per minute(approximately)
- 100 litre water tank
- Filled with mains connector (or manually)

Air

- 250 cu ft per minute
- Runs off standard diesel compressor
- Nozzle end pressure 20-80 psi

Surface finish

- Cleans corroded surface to SA3 standard
- Matt finish

Environmental impact

- Minimal 'splash back' due to low pressure
- Contaminated material binds to grit and remains in situ

MAJOR ONE

Major One is a single channel machine for a single operator.
Dimensions: 1.8m L x 1.5m W x 1.5m H
Weight: 350 kg unladen

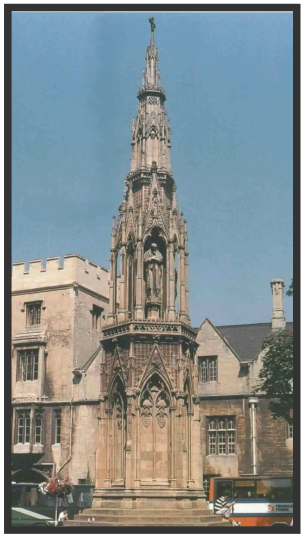
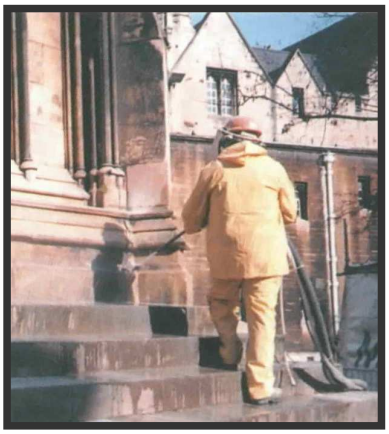
MAJOR TWO

Major Two is a 2 channel machine, with two independent grit pots and two independently controlled hoses
Dimensions: 2.3m L x 1.5m W x 1.5m H
Weight : 600kg unladen

Options

- Skid mounted with lifting arm or trailer mounted
- Chemical injection facilities for accurately dosed rust inhibitors/fungicide
- Communication sets

Please note that as Aquabrade is built to meet the client 's requirements, the above details are meant as a **guide** only



The Martyrs Memorial in Oxford.
The cleaning took 12 days and removed the grime and graffiti of the last 140 years. The maximum air pressure used was 15 psi