

SURFACE FINISHING EQUIPMENT GROUP

www.sfeg.co.uk

SALES – SERVICE – HIRE –
TRAINING – INSTALLATION

NORTHEAST BRANCH

**Hogg Blasting &
Finishing Equipment Ltd**
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NORTHWEST BRANCH

Abraclean Ltd
and
Jedtec Finishing Equipment
Manchester, UK. M11 2QA

Tel: 0161 480 8087
sales@sfeg.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

Complete Finishing Systems
Tipton. UK. DY4 7TR

Tel. 01902 601 312
info@sfeg.co.uk

- Complete Finishing Plants
- Spray Booths
- Design engineers and CAD
- Industrial Ovens
- Conveyors
- Pre-treatment systems
- Powder Coating Booths and equipment

LEV Testing DS-66



LEV TESTING – MEET YOUR REGAL REQUIREMENTS

Our LEV Testing Services are designed to help you meet your legal obligations for the testing and maintenance of your LEV (Local Exhaust Ventilation) plant. This includes dry back spray booths, water wash spray booths and powder coating booths.

Our tests meet HSE requirements and Regulation 9 of the Control of Substances Hazardous to Health (COSHH) regulations and the guidance in HSG258 "Controlling airborne contaminants at work: A guide to local exhaust ventilation" states that COSHH tests must be carried out at least once every 14 months on Local Exhaust Ventilation Systems (LEV) - more regular for some substances and processes.

Our engineers are qualified to British Occupational Hygiene Society (BOHS) P601 standard - Initial Appraisal and Thorough Examination & Testing of Local Exhaust Ventilation (LEV) Systems.

If your LEV does not perform satisfactorily (and some do not, often through poor design or lack of maintenance) we can advise what improvements are required and provide a quotation for the work. Your LEV system needs to be regularly inspected by yourselves and must have a "Thorough Examination" at intervals not exceeding every 14 months. Our SFEG Engineers have been trained to undertake the "Thorough Examination" of your LEV systems.

The first time an LEV test is carried out we will conduct a survey of the LEV system, which will include recording the dimensions of the booth system, duct sizes, extractor type etc

A thorough examination and testing will normally comprise:

1. A visual check.
2. Measurement of plant performance and an assessment of control; an assessment of the performance of the air cleaner or filter where air is re-circulated.

Subsequent inspection visits will refer to the initial report and record the current performance.

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The following visual checks of the LEV system will be made:

- ✓ A thorough external examination of all parts of the system for damage, wear and tear, condition of hoods, slots, canopies, booths, enclosures, ducts, duct fittings, fans and filter casings, discharge stacks;
- ✓ If a filter has a shaker cleaning device, a check is needed on whether it is working correctly. This also applies to reverse jet or pulsed jet filter cleaning devices;
- ✓ An internal examination where necessary and where possible to ascertain the condition of items such as filter media and fan belts;
- ✓ Where filters have built-in pressure gauges, a check on their ability to display the pressure and on whether the correct operating pressure range is indicated by means of a row or a written notice;
- ✓ If a wet scrubber is used, a check of the water flow and the condition of the sump;
- ✓ Use of a smoke cloud released close to the source, or in the case of dust the use of a dust lamp, to visually assess the control of a pollutant;
- ✓ With dust extraction systems, a check on whether any accumulations or deposits of dust are occurring close to the source.

Plant Performance Measurement

Measurement of plant performance will normally include:

- ✓ the measurement of static pressure behind each hood or enclosure,
- ✓ the air velocity at the face of the enclosure or point of emission,
- ✓ air velocity in the ducting
- ✓ power consumption of the extraction fan(s)

It is important to ascertain what the LEV is designed to do and whether it is achieving it.

The above measurements and observations will be recorded in our report, which will be submitted for your records after the inspection visit.

Contact your local branch arrange your LEV Inspection.