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FUEL DISPENSER / PUMP TESTING SERVICES



LIFTING AND HANDLING SERVICES
TEST HOUSE
SOLUTIONS FOR INDUSTRY



Company Profile

Lifting and Handling Services is an independent Test House, carrying out statutory inspection and certification of materials handling and safety equipment. Our company takes inspection to the next level by combining the right people, processes and experience with personal attention to provide our clients with an unrivalled quality of service.

We were the first company of our kind in Ireland to develop a state of the art bespoke online safety management programme which our clients can access 24/7 to view a comprehensive suite of reports surrounding statutory inspection history, plant failures, repairs and statistical analysis.



Services Provided

Lifting and Handling Services provide the following services to our clients nationwide:

- ✓ Statutory Inspection and Certification of Materials Handling & Safety Equipment
- ✓ Calibration & Certification of Torque Measure Devices
- ✓ P.A.T. (Portable Appliance Testing) Solutions
- ✓ Static Testing
- ✓ Non Destructive Testing Services
- ✓ **Fuel Dispenser / Pump Testing**
- ✓ CAD Design & Simulations for steel structures
- ✓ Product Investigation & Reporting
- ✓ Accident & Incident Investigation
- ✓ Expert Witness
- ✓ Safety Audits & Risk Assessments
- ✓ Ergonomics – Work Risk Analysis & Solutions
- ✓ Safety Training Courses
- ✓ Safety Management Consultation
- ✓ Air Receivers & Pressure Vehicles



Fuel Dispenser / Pump Testing

Fuel Dispenser / Pump Testing is an important consideration for any company used a large volume of petrol & diesel. The purpose of Fuel Pump Testing is to measure the exact quantity of fuel being dispensed from your pumps, and ensure that all readings are completely accurate and fully in line with the readings showing on your pump system.

The only way to ensure that all pumps are dispensing the required amount of fuel is to carry out Fuel Dispensing / Pump Testing on each pump at regular intervals. In this way you can ensure the highest possible efficiency of fuel, and ensure that your fuel consumption is in line with all readings taken.



Fuel Dispenser / Pump Testing Measuring Device



NSAI

Standards

In Ireland, The **National Standards Authority of Ireland (NSAI)** governs the area of pump testing, and carries out regular checks on all suppliers of fuel to the general public. Within industries who do not sell fuel to the public, it is good practice to use the NSAI Guidelines to ensure maximum fuel efficiency within your business.

All of the test measures devices used by Lifting and Handling Services are manufactured in accordance with **NMO Specification No 7321**, **NMO Specification No 7323** (previously NWML) and **International Recommendation OIML R 120**. All test measures used are manufactured to the highest standard, with all being factory calibrated with an accuracy of $\pm 4\text{ml}$ (over 2 times better than what can be read on the fuel dispenser meter).

In order to carry out legal verifications, calibrations and inspections, all of our testing equipment is calibrated by an accredited metrology laboratory. All of the test measures are calibrated by NSAI and when calibrated and sealed by a National Metrology Laboratory have an accuracy of 0.02% or better.



Fuel Dispenser / Pump Testing Measuring Devices used by Lifting and Handling Services

The measuring device used by Lifting and Handling Services was developed to meet the needs of the Trading Standards Officers who are required to carry out checks on pumps, where a single test measure can be taken during maintenance checks.

This lightweight hand held device meets NMO Specification 7321 and OIML R-120 and is approved for use for verification, calibration and accuracy testing of fuel dispensers by the National Metrology Office (NMO, Teddington, UK).

The key features of this measuring device include:

- Temperature Stable Carbon Fibre Composite Construction
- Low Coefficient of Volumetric Expansion
- Dent and Shatterproof
- Lightweight 10L Test Measure (less than 2kg when empty)
- Extended neck to reduce on/offing and early slow down of dispense when testing foaming fuels / Handy Dispensing Height 650mm
- Test results are easy to observe and read
- High Resolution Scale $\pm 1\%$ with 10ml intervals
- Parallel millimetre and percentage nominal volume scales
- 63mm ID Inspection Neck
- Sealable Calibrating Unit for easy calibration and adjustment
- Spirit Level for easy level checking
- Stainless Steel Handle / Seamless Glass Smooth Internal surface for reduced retention
- 250 ID Main Vessel with conical upper shell and concave lower shell
- Reinforced Base Rim for increased stability



Fuel Dispenser / Pump Testing Measuring Device



CLASS Inspection and Certification Programme

Our award winning **Inspection and Certification Programme - CLASS** gives full visibility of all details of the inspection and a full suite of reports are available on line. CLASS has been designed to ensure that every plant item that is inspected and certified is done so in conformance with I.S./EN.45004 (General criteria for the operation of bodies performing inspections). This is done to protect our clients - their personnel safety, their good name and product reputation. Our systems and procedures gives our clients and their parent organisations peace of mind regarding their statutory obligations.

CLASS delivers accurate and consistent reporting whilst providing transparency and traceability throughout, the inspection program has been proven in the Irish courts and recognised by the leading health and safety consultants in Ireland.



CLASS Web - Your access to data 24/7



Our Testing Services

Lifting and Handling Services carry out a full audit of all fuel pumps including:

- ✓ **Full asset management system for your business**
- ✓ **Provide all aspects of fuel dispenser / pump testing**
- ✓ **Full calibration carried out on all pumps**
- ✓ **List of all assets and locations provided and accessible to management**
- ✓ **All assets issued with Serial Number and all locations recorded**
- ✓ **All pumps tagged on inspection**
- ✓ **Full set of Calibration Certificates provided following inspection**
- ✓ **Full details of calibration issues identified**
- ✓ **Details of all equipment removed from services as a result of faults diagnosed during inspection**
- ✓ **Full access to all inspection reports**
- ✓ **Reports available online on request**

Fuel Dispensing / Pumping Testing could save your business thousands of euros on an annual basis, with our high quality testing equipment guaranteeing accurate results.

Contact us for advice or a quotation on 045-868342 or email sales@liftingandhandling.ie