



# **RED DRAGON AIR CONDITIONING LTD**

## **2-DAY CITY & GUILDS 5101 'LEVEL 3' AUTOMOTIVE AIR CONDITIONING COURSE**

This 2-day City & Guilds certificate in 'Testing & Servicing Mobile Air Conditioning Systems' (MACS) is the second module of a 3-module Level 3 certificate in Automotive Air Conditioning. It has been designed to compliment module 1 and take students to the next level of testing and servicing automotive air conditioning systems.

The course is aimed at anyone in the automotive industry from the mobile mechanic to large garages or workshops.

Our instructor is an approved City & Guilds and CITB instructor/assessor who has over 25 years of automotive experience and can offer invaluable advice and tips to our students.

The following information details the course content and what you can expect to gain from the course. Timings have been purposely omitted as we proceed through the course at a pace which suits the students; this is to ensure that everyone gets the maximum benefit from our instruction.

### **What's Covered**

- Testing and Inspecting the Air Conditioning System for satisfactory performance
- Servicing Checks using a Comprehensive Checklist
- Evaporator Cleaning
- Fault Diagnosis (Pressure Gauge Interpretation, Mechanical & Electrical Faults)
- Leak Detection (UV-Dye, Ultrasonic's, Electronic Sniffers, Bubble Sprays & More)
- Basic Electrical Testing
- Electronic Component Testing via Diagnostic Equipment
- Repair Techniques (Hose/Pipe Repairs, Component Replacement, System Flushing)
- **City & Guilds practical and theoretical assessment**

### **What You Can Expect To Gain from the Course**

This course will provide students with everything they need to know in order to carry out automotive air conditioning service and repair tasks. It covers system operation in more depth and basic fault diagnosis techniques allowing the student to feel much more confident in their ability to not only re-gas systems, but to identify and rectify faults by carrying out their own on-site repairs which will certainly help separate them from local competition.

We have a purpose built training rig which allows students to study all the working parts of an automotive air conditioning system. The training rig allows us to simulate faults found in common a/c systems and provides students with an opportunity to conduct electrical and mechanical fault finding activities.

All equipment used during the course is of excellent quality and students attending these courses are able to purchase a variety of equipment (including complete start-up packs) at discounted prices.

## **Location & Accommodation**

The course is held at the Air Conditioning Training Centre Wales in Bridgend, just 1.5 miles from J35/M4.

## **Cost**

The cost of this 2-day course is currently **£350.00 + VAT = £402.50** this includes course reference material, refreshments (tea, coffee & biscuits) and pub lunch.

- Students are invited to attend a 1-day ‘**training only**’ session which includes subjects covered in module 2 (without the additional assessment and certification) at a discounted rate of **£145.00 + VAT = £166.75**.

**Please note:** Students wishing to attend the 1-day ‘**training only**’ must have already completed ‘**Module 1**’. This option is proving very popular for those not seeking all 3 modules of the Level 3 Certificate but who need the information and training for their line of work.

If you have any further queries, please feel free to contact us on the numbers below to discuss things further or visit [www.red-dragon-airconditioning.com](http://www.red-dragon-airconditioning.com) and select the relevant tabs to the left of the welcome screen.

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