



## Excalibur GDi Master

Advanced, Compact, All-Makes  
Gasoline Direct & Port Injection Tester

**Compact**  
And Easy  
To Use

**Unique**  
Patented  
Technology

**GDI & PFI**  
Injector  
Testing

**Award**  
Winning  
Platform



### Key Features Overview

Simplified  
Usability



Flexible &  
Adaptable



Innovative  
Design



OE Heritage



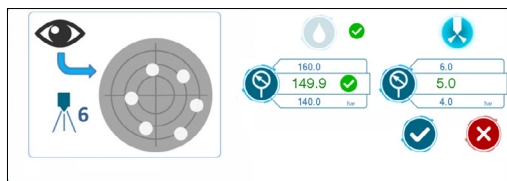
- All-Makes Coil & Piezo injector testing capability
- Comprehensive test plan with simple pass/fail criteria
- Innovative spray pattern evaluation
- OE level high pressure and high flow rate test capability
- Only single phase domestic power supply needed
- Award winning, plug-and-play, platform
- Patented Closed-Loop technology
- Intuitive & adaptable touch screen operation
- Ideal for injector diagnostics & refurbishment
- Easy operation; low-level operator knowledge needed
- Integrated back-flush function



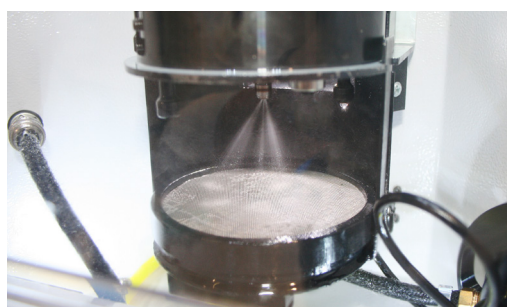
Excalibur GDi Master & Workshop Trolley



In-screen video prompts



Spray pattern testing mode



Nozzle pattern spray testing

## Amazing Revenue Opportunities in Emerging GDI Market

The Excalibur GDi Master offers a fast return on investment with high profit opportunities & low-cost entry requirements. The Excalibur GDi Master enables a workshop to get customer vehicles back on the road faster & with a low cost alternative to new injector replacement. The Excalibur's unique functionality enables Workshops to generate high levels of profit using our injector test-refurbishment-retest process. This is achieved while maintaining a surprisingly low cost to market entry, whereby minimal user-training & further capital investment is required thanks to this advanced but easy-to-use machine.

## Market Leading Patented Technology

The Excalibur GDi Master's patented Closed-Loop technology constantly monitors the power used by the machine to maximise performance while maintaining stability, test result repeatability & accuracy. This is what allows for the machine to only require domestic power supplies, making installation & use in the workshop straightforward & instant. It also features unique, patent pending, injector clamping to allow fast changeover of injectors, switching between test step modes and reducing additional tooling requirements. The advanced, patent pending spray pattern evaluation provides the workshop with an easy top-down spray footprint and unique target based pass-fail analysis all within the test plan.

## Latest Advanced Touch Screen Software

The magmah<sup>Touch</sup> software is so intuitive that even a brand new user can achieve a superior level of injector testing. The touch screen operated software shows the injector passing or failing in real-time against Hartridge validated test plans. The test can also be run in manual and fully automatic modes so the technician does not have to monitor the test. The test plans contain helpful tooling setup guides & integrated videos so even a low experienced user can quickly start testing and gain knowledge quickly. For advanced users, the software also allows the workshop to amend & customise test steps meaning that the Excalibur GDi Master can be flexible & adaptable to the workshop's needs.

## Technical Specification Overview

- |                                 |                 |
|---------------------------------|-----------------|
| • Pressure                      | 3-235bar        |
| • Hydraulic flow rate           | 0-1500cc/min    |
| • Injected delivery measurement | 0-400mm/str     |
| • Response time measurement     | 0-999 $\mu$ S   |
| • Injection speed               | 120 - 10000 IPM |
| • Pulse width                   | 0-2000 $\mu$ S  |