



4LD

**AFFORDABLE
LEAK
DETECTION**

MEDIUM SPEED MASTER

- High Speed**
- Accurate**
- Fully Adjustable**
- Easy to Use**
- Instant Information**
- Custom Built**
- Many Options**



PROFILE SOLUTIONS

LEAK DETECTION + AUTOMATION TECHNOLOGY

4LD

AFFORDABLE LEAK DETECTION

Can you afford not to have bottle leak detection?

In an increasingly competitive bottle production market, ensuring the quality of your final product is absolutely vital. By rejecting leaking bottles at the point of manufacture, you can ensure that your clients do not become your de facto testers and ex-clients. With test rates of **up to 4000+ bottles per hour***, the 4LD has the capacity to provide assurance *and* maintain optimal production fro production from medium speed machinery.

Accurate

Even at high-speed test rates, the 4LD will comfortably find holes as small as **0.17mm (7 thou in)**. Far smaller holes may be found by using increased test times.

Fully adjustable, Fully customised

Every Profile Solutions leak detector is **fully adjustable** for a wide range of bottles and production situations. Bottles from 30mL to 6L can be tested on a standard machine. Our **modular conveyor design** ensures that virtually any conveyor configuration can be easily accommodated. Every machine is built to be integrated into your existing production lines.

Easy to Use

Intuitive controls and simple adjustments dramatically reduce staff training times, and minimise down time when changing bottle lines.



Options Options Options.

Some of our more popular options include:

- Self Test function – assists with the fine tuning of the machine, does not waste bottles.
- Smaller or larger (than 54mm standard) test heads
(We recommend our 30LD leak detector for testing bottles larger than 10L)
- Inclusions heads for checking blocked necks
- Longer or shorter (than 800mm standard) conveyors, mix and max the infeed lengths and outfeed sections to what you want. Easily changed years after purchase.
- Side transfer or 90-degree conveyors
- Higher or lower (than 550mm - 1130mm standard) conveyors, with electric and manual spindle height control. Wider for up to 10L (2.5 US Gal.).
- We can also supply collating tables, bagging machines, CNC bottle palletiser, pallet dispensers , and bottle weighing systems.

Still not fast enough?, or too fast?

If you require faster test rates, we recommend our Model 6LD leak detector for up to 11,000 tests per hour on one head or our new 2LD for rates up to 2400 test per hour if your production rate is low.

* Test rates are a guide only. The table below is only indicative of bottle test rates, which vary greatly according to the size style of bottle, shape and its rigidity.

Test rates (BPH -bottles per hour)	Up to 150 ml (5 oz)	250-300mL (10-12 oz)	500mL (17.5 Oz)	1L (33 oz)	2L (66 oz)	4-6L (1.2 -1.5 US Gal)
Standard Conveyor	To 4000+	2900-3600	2700-300	1800 to 2500	1350-1500	450-650

PROFILE SOLUTIONS

Contact us for a demonstration and quote
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