

**PROFILE
SOLUTIONS**

6LD

**ULTIMATE
LEAK
DETECTION**

WORLD'S FASTEST SINGLE HEAD LEAK DETECTOR

Ultra High Speed

Accurate

Fully Adjustable

Easy to Use

Self Test

Auto Tune

Instant Information

Custom Built

Many Options



PROFILE SOLUTIONS

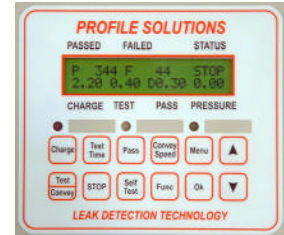
LEAK DETECTION + AUTOMATION TECHNOLOGY

6LD

ULTIMATE LEAK DETECTION

Dedicated Design

Rather than using a generic controller, our **proprietary electronic controller** is designed specifically for bottle leak detection. Coupled with our ongoing commitment to technical improvement and innovation, this has ensured that the 6LD has remained at the forefront of leak detection technology. With test rates of **up to 9500 bottles per hour***, the 6LD has the capacity to maintain optimal production and up to 11,000 with a vacuum conveyor. The vacuum conveyor has increased test rates on unstable bottles by **up to 280%** in some cases



Accurate

Even at high-speed test rates, the 6LD will comfortably find holes as small as **0.17mm**. 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 50mL to 10L 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

Advanced features such as **Auto Tune** and **Self Test** take the hard work out of setting up and fine tuning the 6LD. This minimises the down time when changing bottle lines. Intuitive controls and simple adjustments dramatically reduce staff training times.

Options Options Options

Some of our more popular options include:

- 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?

If you require even faster test rates, our multi head or travelling head range (3 types) of leak detectors should meet your requirements for speeds of up to > 30,000 bottle per hour.

* 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 shown are for single head machines.

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 9500+	4500 to 6000	4000-5800	2500-4000	1700-2050	500-750
Vacuum conveyor	To 11000	10,000-7000	7200-5000	3000-5200	1900-2200	700-1000

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Contact us for a demonstration and quote
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