

Sometimes less gives you more



Renishaw XL-80 system upgrades for HP laser users

For a limited period, you can now trade-in your HP laser system (HP5528 or HP5529) and benefit from significant savings in time and money with the Renishaw XL-80 system.



The XL-80 has been designed with your values in mind:

- **Transportation** - smaller and lighter wheeled case to maximise portability
- **Set-up time** - fast and simple set-up with minimal preheat time (below 6 minutes)
- **Accuracy** - ± 0.5 ppm certified linear accuracy
- **Commitment** - 3 year standard warranty (5 year optional extended warranty)
- **Global support** - Comprehensive worldwide technical support and after sales service
- **Compatibility** - The XL-80 laser system is compatible with a majority of HP components and measurement procedures

Why trade-in?

The XL-80 laser system offers significant improvements in portability, system accuracy and dynamic measurement capability over your HP 5528/5529 system. Whilst retaining key ML10 virtues of accuracy, reliability and durability, the XL-80 system is quicker to use and retains the benefits of a pure interferometry based system: proven technology that made the ML10 the system of choice for thousands of companies worldwide.

System benefits

Portability and handling

The whole system (less tripod) can now be packed into a truly portable 'wheelie case'. A complete linear and angular system weighs approximately 12 kg (25 lbs). Even with the optional Renishaw QC10 ballbar kit, it weighs less than 15 kg (33 lbs) and delivers a highly portable 'check and correct' system which won't break your back or cost a fortune in shipping charges.



System 'wheelie case' with tripod case attached

Ease of use

- Fast and simple to set up with minimal pre-heat time; quick release tripod mounting requiring only a quick snap-lock fit to the tripod, and easy to read LEDs for status and signal strength indication. These features allow the user to reduce the waiting time and increase available measuring time.
- Reduced components and connections: both laser and compensator connect to PC via USB; no separate interface, no complicated set-ups.
- Standard optics are stored pre-assembled in the case and the laser head is stored fixed to the tripod stage; reducing set-up time.
- Switchable between standard 40 m and long range 80 m modes.
- The compact size and remote interferometer make XL-80 equally well suited to machine, bench or tripod mounting.
- Magnetic base plate for environmental compensator maximises mounting location flexibility.



XL-80 laser unit

Performance

- ± 0.5 ppm certified linear measurement accuracy (over full 0 °C - 40 °C range)
- 4 m/s maximum travel velocity
- 1 nm resolution (even at maximum travel velocity)
- 50 kHz maximum dynamic capture rate
- 80 m range as standard
- Automatically updated environmental compensation every 7 seconds



XC-80 environmental compensator and sensors

Compatibility

It's not just the initial system purchase, but staff, training and implementing new procedures also cost you time and money.

The new XL-80 laser system is **BACKWARDS COMPATIBLE** with most HP optics and set-ups (except straightness and squareness optics). This means that as an existing user you can retain your investment in optics, as well as work and test procedures, when using the new XL-80 laser.

Compatibility not only saves you money but also means that you still have a system where all measurement options (linear, angular, straightness, squareness and flatness) use a traceable interferometric measurement as a basis.

Contact Renishaw for full details of the HP to XL upgrade program, including the substantial trade-in allowances for your old HP equipment.