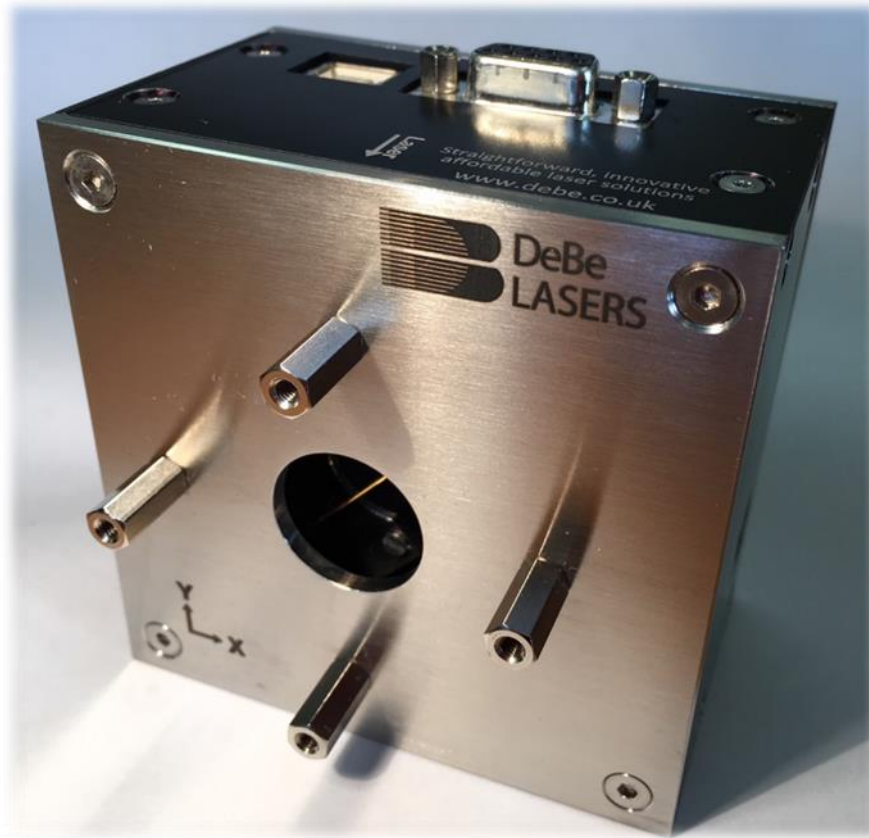


ILBA

In Line Beam Analysis



DeBe Lasers' ILBA is a straightforward, affordable In Line Beam Analysis system to help you improve your laser processing performance by giving you peace of mind that your laser applications are stable, reliable and safe.

ILBA is easily programmed through a simple USB connection to a computer, enabling easy integration and maintenance free operation for long term, reliable performance in industrial environments.

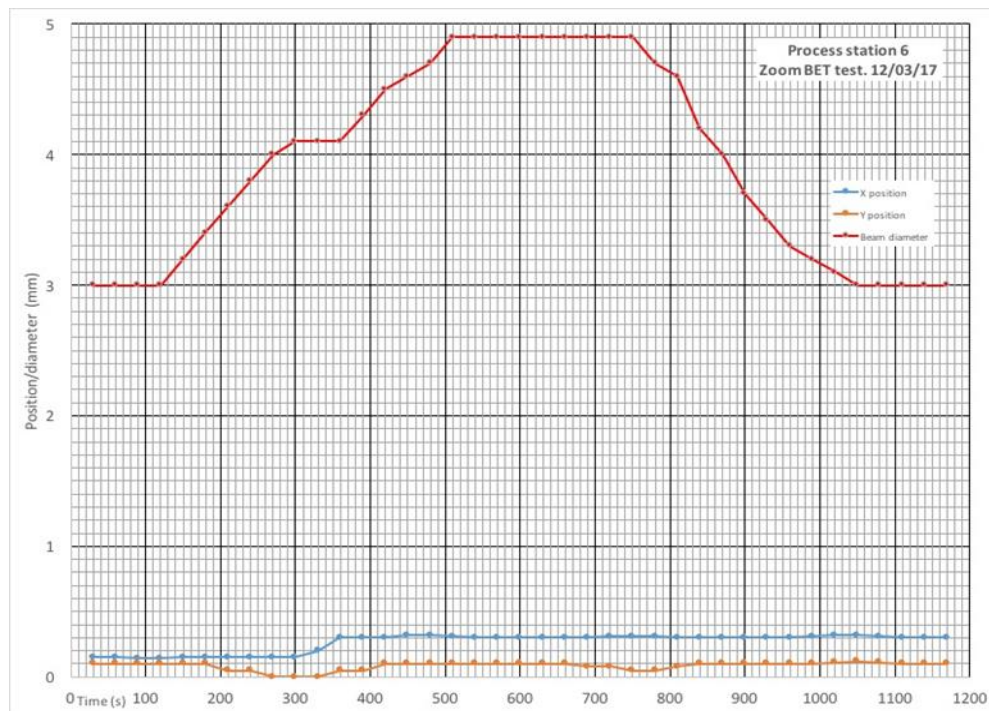
Laser beam characteristics analysed include:

- Beam position
- Beam diameter
- Power distribution
- Laser power

ILBA uses a flying wire to sample fibre, CO2, N2, Nd:YAG, Nd:YV04 and other high power lasers for initial verification of the laser beam but just as importantly detecting changes in the beam over time. ILBA works by passing a reflective needle through the laser beam and scattering the radiation onto two sensors. By measuring the power reflected onto the sensors for every position of the needle in the laser beam, ILBA can measure beams from 10W to 8kW and from

ø3 to 50mm diameter this analysis gives you real time access to all your process data, allowing you to accurately measure the performance of your laser and therefore your laser process.

ILBA is a compact unit at an installed cost which allows it to be permanently fitted to your laser for ongoing measurement or used on demand as part of your maintenance routine.



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