

# NEWSLETTER

**LPD Lab Services**

TEL: +44 (0)1254 676 074

**One-Stop Shop for Industrial Process Problem Solving, Consulting and Routine Analysis**

Open for business! Welcome to the Spring - March 2020 edition of [LPD Lab Services](#) newsletter.

LPD Lab Services are the experts in material and scientific problem solving for products and processes across all sectors within Manufacturing, Engineering, Development and Research. The UK demand still remains strong for technically innovative products. LPD Lab Services are investigating and solving technical issues within products, production processes, across facilities and infrastructure ultimately keeping the cost of ownership down.

LPD Lab Services continue to develop innovative and fascinating analytical solutions for in-process manufacturing, finished products and for development of new products & materials. We really pride ourselves with resolving some fascinating and technical problems from across the world. Our scientific credibility and confidentiality is core to our business model!

## COVID-19 Plans and Continued Customer Support

LPD Lab Services are open for business. The spread of the COVID-19 virus has created significant health, safety and huge economic disruptions around the UK and world.

LPD Lab Services have set out the measures we are taking as a business in response to the escalating situation in the UK due to COVID-19. As an independent and commercial business serving medical/healthcare, construction, automotive, Infrastructure and pharmaceutical sectors to name but a few, our adaptability and staff flexibility means our business is operating close to usual as realistically as possible and we are continuing to provide a first-class dedicated analytical and consultancy service to the scientific and engineering community.

We are adapting to the changing environment and aware some other research institutes, universities or material laboratories are moving to "lock down". We have a strong supply chain and chemical stock of many items allowing us to continue performing chemical analysis, routine analysis and materials investigations and problem solving investigations.

If you have any urgent laboratory analysis, please call us to discuss your requirements. **For COVID-19 related work, we have capability for a rapid turnaround analysis.**

Our contingency and plans follow the government guidance and we have asked our staff to take additional precautions to safeguard the health and well-being of our employees, families and customers. We will do our very best to support customers and businesses at this challenging time and have taken the following steps:

- We have increased the frequency with which we clean our premises and are ensuring the cleaning standards are consistent with government advice
- We have restricted business travel and have cancelled any non-essential meetings in accordance with government guidelines
- We have restricted non-essential visitors to the site
- We are providing "work from home" wherever possible
- Social distancing and minimise employee contact

We have a business contingency plan in place, we are monitoring all updates to UK Government policy and guidance.

## Introduction of Bruce Swan – Commercial and Business Development Manager

It is of great pleasure to introduce Bruce Swan to the LPD Lab Services management team and heading up our commercial growth following his involvement with the business over the last few years. Bruce is an MSc Analytical Chemist with 28 years industrial experience gained across the chemical and pharmaceutical sectors.

Originally a scientist working at bench and as a laboratory leader, he moved into a commercial sales career working with Analytic software, LIMS systems and laboratory service contacts. He developed his understanding for scientific sales and professional relationship development.

At LPD Lab Services, Bruce has provided input to shaping and developing new commercial service models like the "outsourced R&D laboratory" model. Bruce has worked with large corporate clients integrating LPD into service agreements and standardising services, pricing and turnaround times. His role capitalises on the unique LPD offering – flexibility, adaptability, strong scientific expertise and look to find companies to partner and embed an outsourced analytical research function. LPD are also interested to partner with businesses that need a UK based analytical team for analytical batch release.



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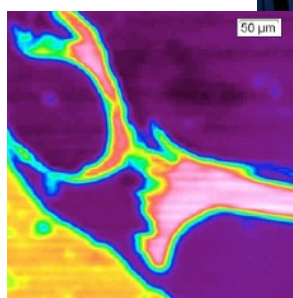
## Perkin Elmer Spotlight 400 FTIR Microscope Imaging System

LPD Lab Services have recently installed a leading-edge PerkinElmer Spotlight 400 FTIR microscope with Frontier spectrophotometer. This recent addition has dramatically increased the laboratory's capability in the area of FTIR analysis/interpretation and opened the capability for NIR analysis. The materials and chemical analysis can now be conducted on a micro-scale as well as the macro-scale.

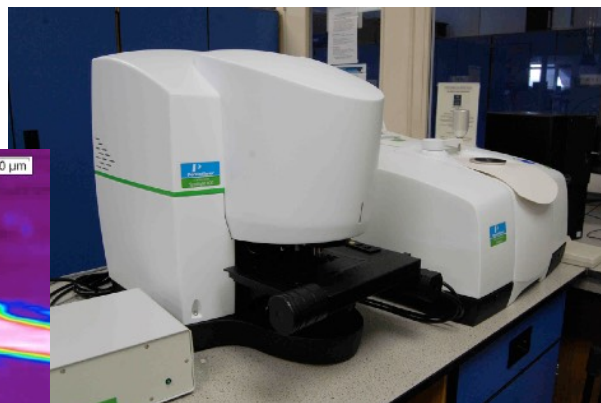
The Spotlight 400 microscope when it connected to the macro ATR-imaging accessory can chemically 'map' an area of interest generating a spectrum for each pixel in the image, where each pixel can be as small as 1.52 $\mu$ m. For samples larger than 50 $\mu$ m, the micro ATR accessory can perform FTIR analysis in transmission, reflectance or ATR mode. The spotlight 400 system has many applications across many different sectors including:

- Materials Analysis
- Forensics
- Pharmaceuticals
- Academic Research
- Biomaterials

Specific tasks include contaminant particles, assessing the depth of degradation in polymer and rubber samples (through the cross section), identifying different layers in polymer and coating samples and microplastic analysis.



The Frontier spectrophotometer has many accessories to perform a multitude of analysis on the macro scale. These include: ATR accessory for quick and accurate spectra, DRIFT accessory for diffuse reflectance measurements, NIRA accessory with spinning sample holder for Near-IR applications, polarizer accessory to polarize the beam, VSPRA accessory for variable angle specular reflectance measurements and a temperature chamber looking at degradation profiles and identification.



## Successful Transition to UKAS ISO/ IEC17025:2017

LPD Lab Services was visited by UKAS in February 2020 for its yearly reassessment external audit of its ISO17025 accreditation and transition to ISO/IEC17025:2017. This assessment was successful, and the laboratory now awaits its ISO/IEC17025:2017 certificate whilst continuing to conduct its comprehensive cycle of internal audits against the new standard.

To understand more about our technical services and analytical testing capability please visit our website <https://www.lpdlabservices.co.uk>, or you could call us on 01254 676074 and discuss the problem/technique. Alternatively, you could arrange to meet the team and see the laboratory located in Blackburn, Lancashire.

**LPD Lab Services Ltd**  
**Suite 1 D Building**  
**Glenfield Business Park**  
**Philips Road, Blackburn**  
**Lancashire, BB1 5RZ**

**Website:** [www.lpdlabservices.co.uk](http://www.lpdlabservices.co.uk)  
**Tel:** 01254 676074  
**Fax:** 01254 278845  
**Email:** [enquiries@lpdlabservices.co.uk](mailto:enquiries@lpdlabservices.co.uk)