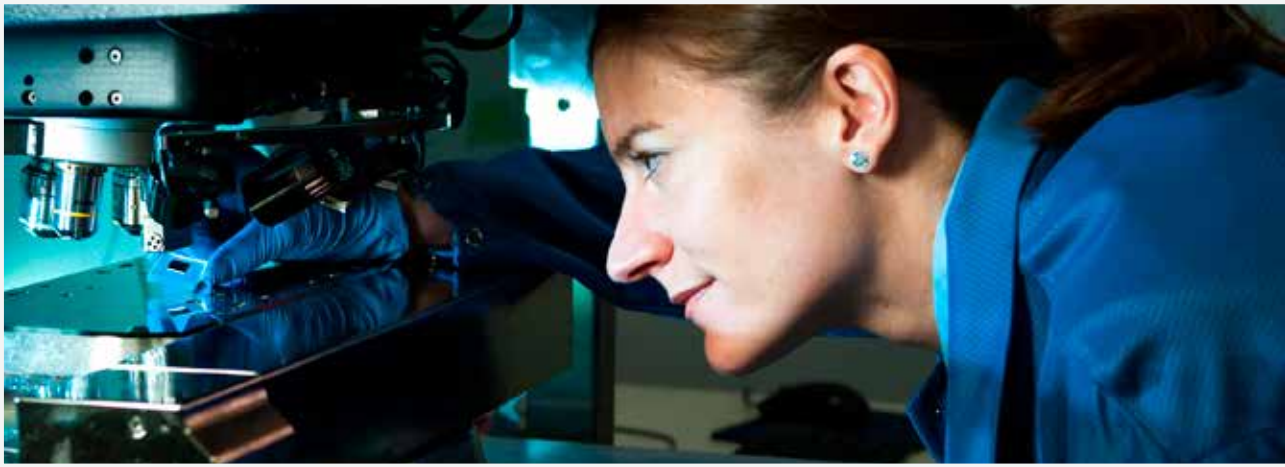
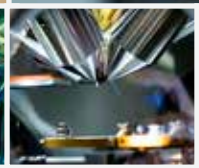


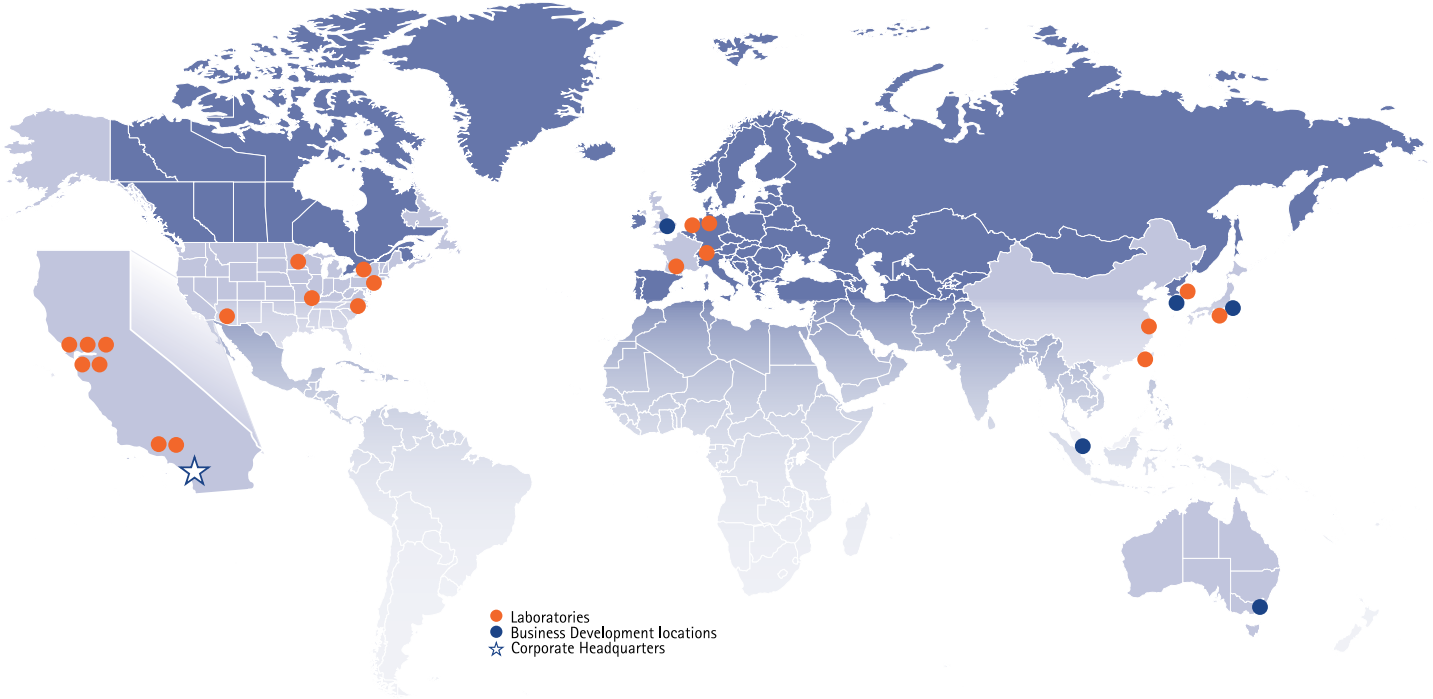


HOW DO YOU LEVERAGE MATERIALS SCIENCE TO GAIN A **COMPETITIVE EDGE?**

eurofins | EAG Laboratories

HOW DO YOU STAY AHEAD IN A COMPETITIVE WORLD?

BRING THE REVOLUTIONARY POWER OF MATERIALS SCIENCE TO YOUR COMMERCIAL SUCCESS



When it comes to understanding the physical structure, chemical properties and composition of materials, no other scientific services company offers the breadth of experience, diversity of analytical techniques or technical ingenuity of Eurofins EAG. We don't just perform testing, we drive commercial success—through thoughtfully designed investigations, technically superior analyses and expert interpretation of data.

- 20+ facilities located in the US, Europe and Asia
- 1,000+ highly-educated employees,
- Serving more than 5,000 clients worldwide
- Revenue sourced from more than 50 countries

eurofins | In 2017, EAG Laboratories became part of the Eurofins Scientific global network, with more than 45,000 employees in 650 locations in 45 countries worldwide.

EVERY STEP OF THE WAY

Whether you're evaluating high technology materials, composites, polymers, superalloys or something entirely unique, ask Eurofins EAG Laboratories. We bring the power of materials sciences to every phase of your product life cycle.

- PRODUCT INNOVATION & IMPROVEMENT
- INVESTIGATION & TROUBLESHOOTING
- QUALITY ASSURANCE
- REGULATORY COMPLIANCE
- MANUFACTURING & SUPPLY CHAIN SUPPORT
- CONSULTING & LITIGATION SUPPORT

SERVICES

SURFACE ANALYSIS

Understanding the composition, cleanliness, contaminant levels and roughness of surfaces to investigate issues with adhesion, corrosion and surface chemistry

MATERIALS CHARACTERIZATION

Information about material properties include interface sharpness, depth distribution of a particular element, morphology, crystal structure and component identification

COMPOSITIONAL ANALYSIS & MATERIAL IDENTIFICATION

To determine the components of an unknown, confirm the identity of a suspect material or identify differences between similar materials

CONTAMINANT IDENTIFICATION

From determination of a chemical family to complete structure elucidation, to determine the source and measure the effectiveness of contaminant removal and cleaning

TRACE ELEMENTAL ANALYSIS

Determination of the chemical purity of materials to identify and eliminate contamination in advanced materials, typically categorized as mass fractions from 1 – 100 ppm

ADVANCED MICROSCOPY

Imaging techniques to investigate sample microstructure, morphology, particle size, grain size, particle coatings and defects

FAILURE ANALYSIS

To investigate fractures, corrosion, discoloration, wear, adhesion/bonding and stress-related issues

DEFORMULATION

Also known as reverse engineering: the separation, identification and quantitation of ingredients in a formulation

METALLURGICAL ANALYSIS

Analytical investigations of fractures, fatigue, corrosion, oxidation, embrittlement, plating, welding, brazing and soldering problems in metallic and metal containing products

POLYMER CHEMISTRY

Plastic and polymeric material testing for physical and mechanical properties, thermal properties and chemical composition analysis

EXTRACTABLES & LEACHABLES

Identification of chemicals released or migrated from a product under normal or stressed conditions

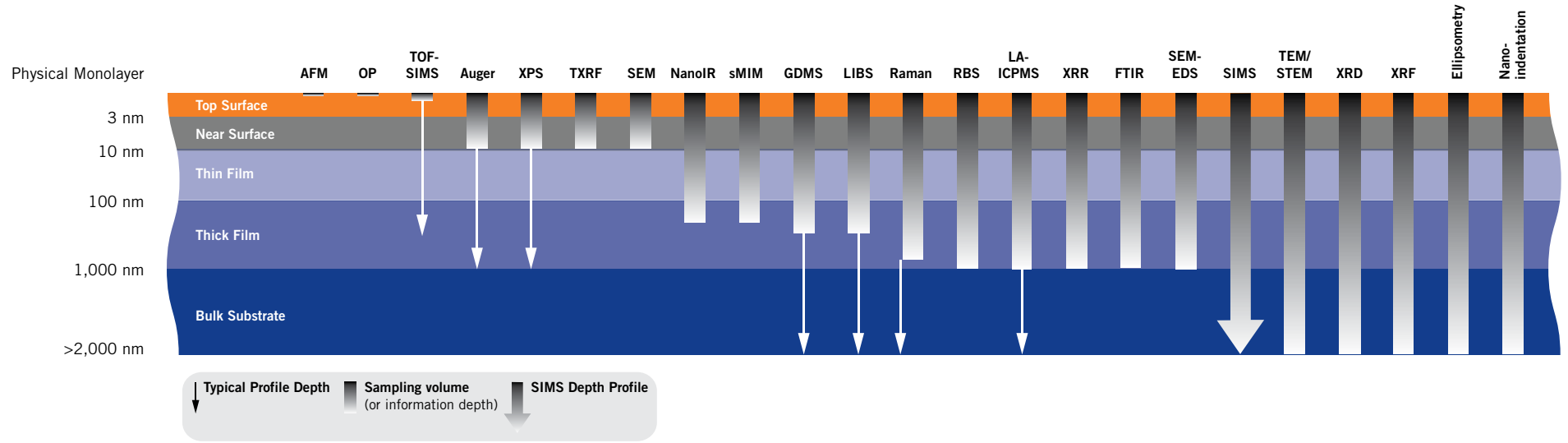
CUSTOM SYNTHESIS

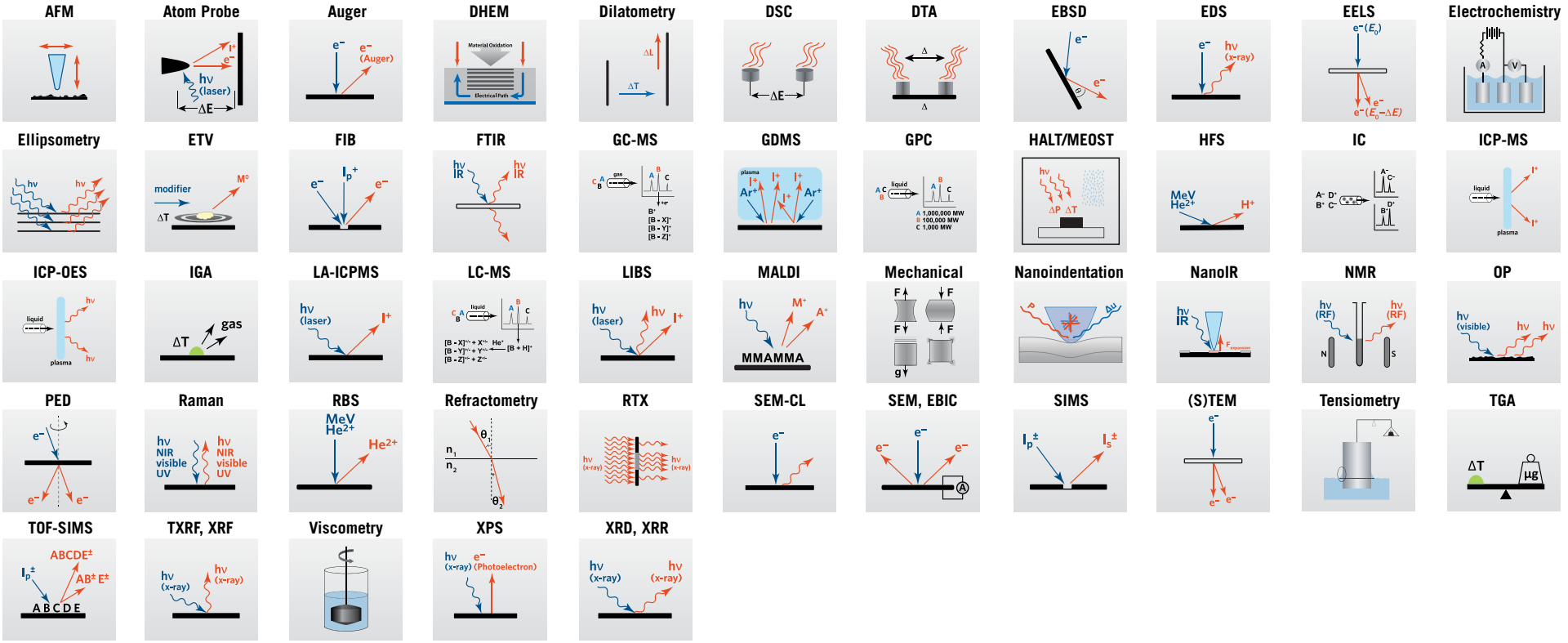
Research of synthetic routes, as well as design and preparation of small organic molecules in the milligram to kilogram scale

LITIGATION SUPPORT

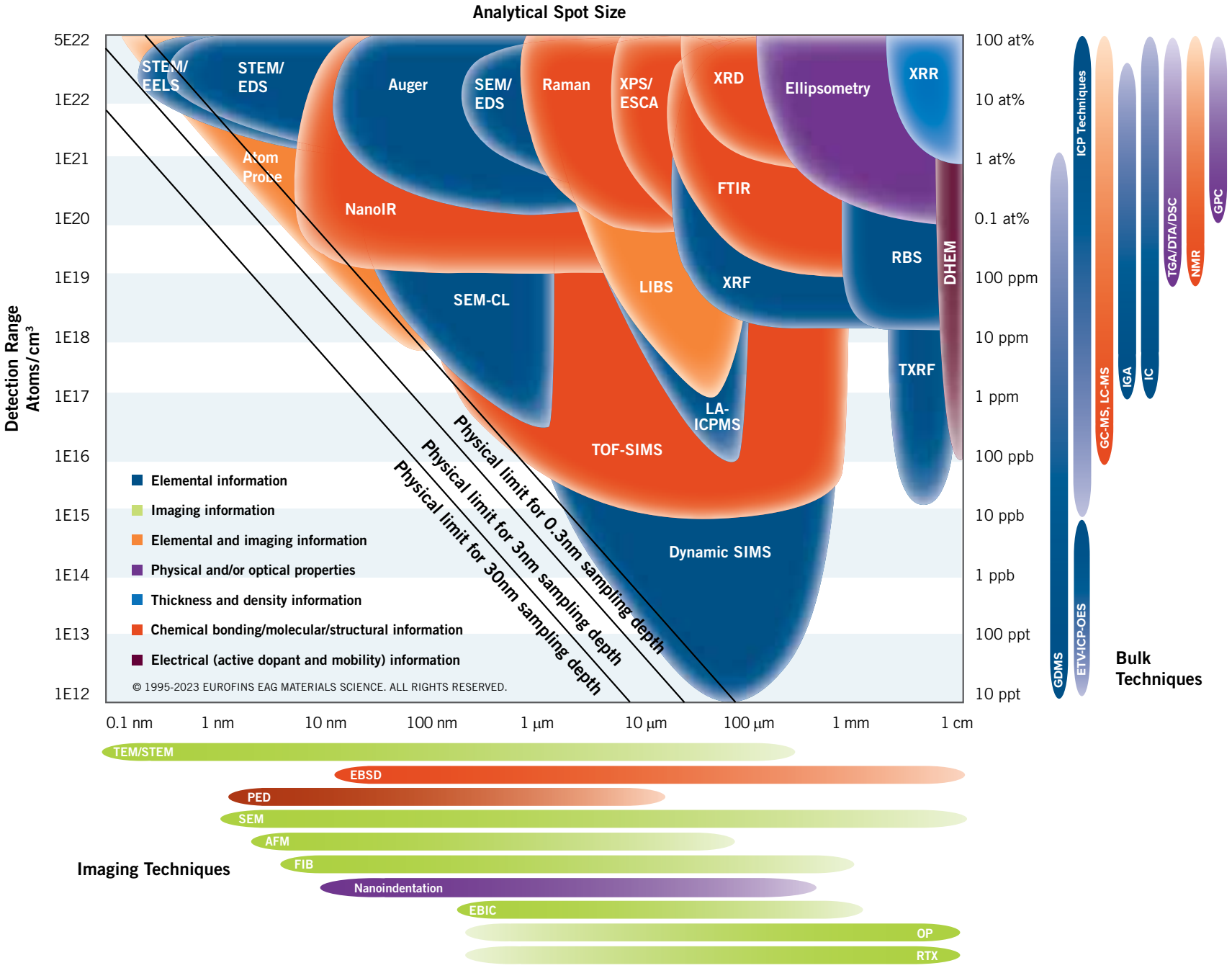
When your need for scientific expertise extends beyond the laboratory and into the courtroom, you can count on Eurofins | EAG Laboratories' team of experienced expert witnesses to support intellectual property and product liability challenges

TYPICAL ANALYSIS DEPTHS FOR TECHNIQUES





ANALYTICAL RESOLUTION VERSUS DETECTION LIMIT



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