



PolyLink

UNIVERSITY LAB ACCESS FOR INDUSTRY

"Connecting Industry Projects to University Analytical Expertise"



Bridge the gap between innovation and capability.

PolyLink connects companies to world-class university research infrastructure, expert faculty, and advanced instrumentation—accelerating R&D, reducing costs, and driving results.



University-Grade Infrastructure

Access leading research centers and instruments.



Expert Collaboration

Work with faculty and graduate experts.



Cost Efficient

High-quality testing at a fraction of private lab costs.



Faster Results

Streamlined process that gets your project moving—fast.

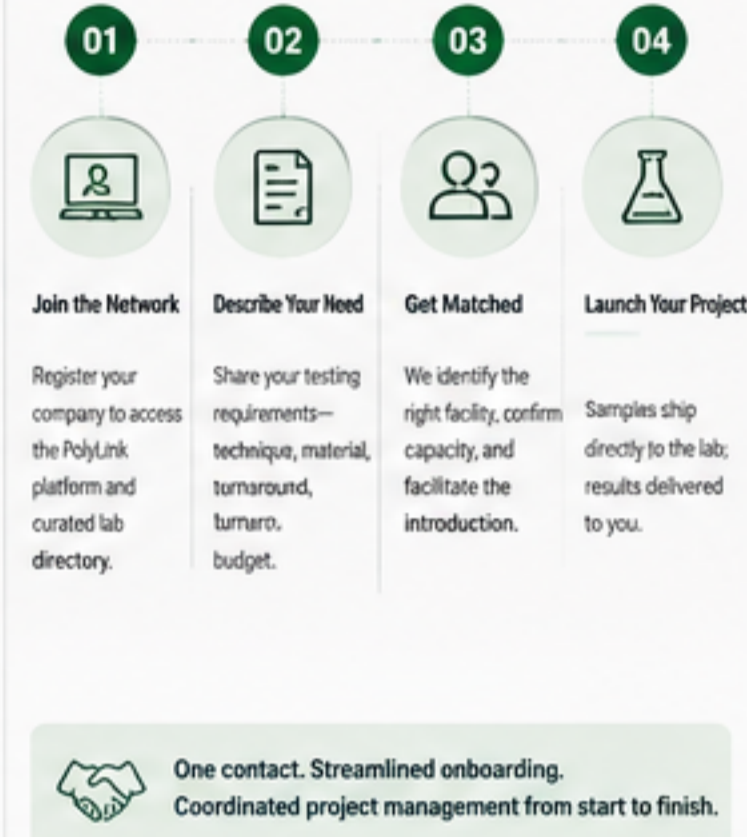
THE CHALLENGE

Why Industry Struggles to Access University Labs

- Fragmented Lab Access**
Navigating complex academic hierarchies makes identifying the right facility slow and opaque.
- Unclear Points of Contact**
Valuable time is lost tracking down the right technical expert within large university structures.
- Prohibitive Private Lab Costs**
Commercial testing fees are out of reach for startups, SMEs, and R&D-stage ventures.
- Slow, Inconsistent Engagement**
Ad-hoc university interaction models delay project starts by weeks or months.

THE PROCESS

How It Works



THE SOLUTION

The PolyLink Platform

- World-Class Infrastructure**
Direct access to university research centers with institutional-grade instrumentation.
- Advanced Instrumentation**
12 capability domains, 100+ instruments—spectroscopy, chromatography, thermal, mechanical and beyond.
- Faculty & Graduate Experts**
Subject-matter experts collaborate on project design, execution, and interpretation.
- Single-Point Access**
One contact. Streamlined onboarding. Coordinated project management start to finish.

ANALYTICAL CAPABILITIES ACROSS THE NETWORK

PolyLink's network collectively offers one of the broadest suites of polymer and materials characterization capabilities available through any single-access platform. Request the full Equipment Directory for instrument-level detail.

	Microscopy	SEM, SEM-EDS, TEM, AFM, Optical, Confocal
	Spectroscopy	FTIR, FTIR-ATR, FTIR-Micro, Raman, UV-Vis, Fluorescence, NIR
	Chromatography	GC, GC-FID, GC-TCD, HPLC, UHPLC, Ion Chromatography
	Mass Spectrometry	GC-MS, GC-MS/MS, LC-MS, LC-MS/MS, MALDI-TOF, ICP-MS, Orbitrap, QTOF
	Mechanical Testing	Tensile, Compression, Flexural, Impact (Izod/Charpy), Hardness, Fatigue, Peel, Tear
	Rheology	Rotational Rheometer (stress & strain), Capillary, MFI, Brookfield Viscometer
	Thermal Analysis	DSC, MDSC, TGA, TGA-FTIR, TGA-MS, DMA, TMA, Dilatometry, HDT, Vicat, Karl Fischer
	Molecular Characterization	NMR (300–600 MHz), Solid-State NMR, GPC/SEC, DLS, SLS, MALS, Intrinsic Viscosity
	Surface Analysis	XPS, Contact Angle, Surface Tensiometer, Surface Energy, Ellipsometry, Profilometry, BET
	Elemental Analysis	CHNS, CHNS/O, CNO, ICP-OES, XRF (EDXRF & WDXRF)
	Processing & Sample Prep	Injection Molding, Compression Molding, Twin Screw, Extrusion, 3D Printing, Cryo-Milling, Sputter Coating
	Fire Science	Cone Calorimeter, Flame Spread, Large-Scale Facility (1 MW), Smoke Density, FM Fire Propagation



WHY POLYLINK?

- Analytical Breadth**
12 capability domains. 100+ instruments. One access point.
- Subject Matter Experts**
Faculty researchers and graduate scientists as true collaborators.
- Cost Efficiency**
University-grade instrumentation at a fraction of commercial lab rates.
- Strategic Infrastructure**
Standardised workflows within accredited university laboratory ecosystems.

STRATEGIC PARTNER TYPES

R&D / Tech Companies
Cutting-edge firms needing rapid access to characterization without capital commitment.

Material Startups
Early-stage ventures validating formulations, performance claims, and regulatory data.

Academic Research Hubs
University labs offering capacity to external industry on a project basis.

Core Analytical Facilities
Accredited facilities providing high-throughput analytical services to industry.

INQUIRE TODAY

connect@polynovel.com

www.polynovel.com/polylink

