



Xerox Research
Centre of Canada
Innovation Delivered





Engaging Ingenuity

Innovative companies maintain leadership in an expanding technology landscape. You have great product concepts and want to accelerate the development of your technology. The right specialty materials can help your company differentiate itself in an increasingly competitive marketplace.

“...advanced materials are a commons for such diverse industries as aerospace, automobiles, medical devices and consumer products.”

Restoring American Competitiveness,
Harvard Business Review—July/August 2009



Extensive experience, profound expertise:

Xerox Research Centre of Canada's (XRCC) value chain enables the flow of leading-edge materials from concept through to product. We bring materials to market through advances in organic materials chemistry, polymer processing, formulation design, prototyping, and scale-up. We can bring your ideas to reality by providing the research, testing, engineering, materials supply, or technology transfer required for product development and delivery.





A tradition of innovation

XRCC is the global materials research and development centre for Xerox Corporation. We have a 35-year history of taking materials from the lab to the market in a competitive technology environment. Our materials innovations are present in all Xerox printers and copiers on the market today.

Our success stems from a talented team of people focused on delivering specialty materials. Our competitive edge comes from our ability to build relationships and drive innovation.

Electronic Grade Materials	design, development, and supply of electronic materials into commercial products
Specialty Formulations	phase change and composite formulations transferred to manufacturing
Polymeric Particles and Surfaces	chemically grown toner
	wear resistant coatings
Controlled Particle Formation	chemically grown toner
Technology Transfer	specialty colorants transferred to manufacturing



Innovation services

We understand that maximum return on investment means getting to market quickly. Our expertise can help you achieve your goals.

Design and Synthesis	attain targeted performance from key materials
Evaluation	benchmark performance through prototyping and custom or standard test protocols
Process Engineering and Scale-up	develop processes to manufacture materials from grams to kilograms and beyond
Supply	provide a reliable initial source of materials and assistance as you enter the commercialization phase
Technology Transfer	provide guidance in establishing your supply infrastructure

Let us know how we can put our expertise to work for you - visit www.xerox.ca/xrcc or email engage@xeroxlabs.com



XRCC by the Numbers

We value diversity as a key ingredient of successful innovation. Over 100 scientists and engineers staff our laboratories and state-of-the-art pilot plant. We work fluidly together to engage customers and provide unique technology solutions.

Research Areas:

- Materials design & formulation
- Characterization & performance testing
- Process engineering & scale up

120,000 square foot facility, including:

- Chemistry, chemical engineering, physics & materials science laboratories
- Advanced chemical engineering pilot plant
- Materials characterization tools including chemical analysis, electron microscopy, NMR spectroscopy and rheology
- Complete model shop with design and prototyping capabilities
- Lean Six Sigma productivity tools (LSS, DfLSS)

Areas of expertise include:

- Electronic materials & components
- Green processes & materials
- Coatings, films & surfaces
- Applied nanotechnology
- Polymer science & engineering
- Engineered particles and interfacial science

1500+
patents and patents pending

1000+
scientific publications

