

Why choose WMU

Pilot Plants?

Because testing is our business! Avoid the hassle by allowing us to do what we know best. Our research staff, as your confidential partner, can guide your company through setup, analysis, process modification, testing and complete finished quality evaluation in a controlled environment.

The Pilot Plants offer unique research capabilities to the recycling, papermaking, coating, packaging, ink, and printing related industries. Our facilities have up-to-date equipment, experienced technical personnel, and extensive bench-testing laboratory facilities, all of which are necessary for extensive and efficient contract research and development activities.



WESTERN MICHIGAN UNIVERSITY

For More Information

Pilot Plant
Western Michigan University
Parkview Campus
Kalamazoo, MI 49008-5441 USA

+1 (269) 276-3540
fax +1 (269) 276-3535
jan.walter@wmich.edu

www.wmupilotplant.com

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Board Friendly Pilot Plants



www.wmupilotplant.com
Western Michigan University
Kalamazoo, Michigan

Services
for
Industry

Board Friendly

Equipment Capabilities

Western has extensive experience running a range of pigmented and barrier coatings on substrates ranging from lightweight specialty packaging grades to kraft linerboard. In addition, our Fourdrinier paper machine, secondary fiber, and printing pilot plants offer a wide range of research capabilities.



OCC bale ready for recycling

Coating and Calendering

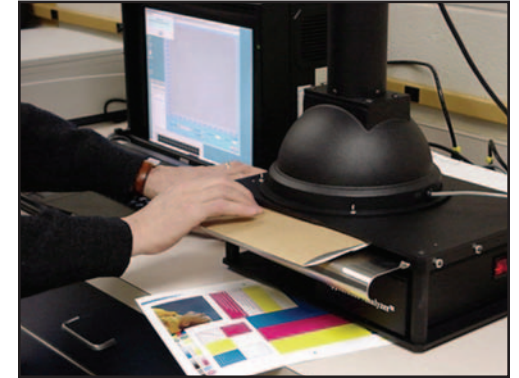
- Full scale of equipment from bench-top to high speed commercial scale coating
- 1 meter wide, high-speed coater
- Air-knife coater
- CLC coater for formulation development
- Pond size press, metering size press, rod and blade coating
- 4-nip hot-soft calender or 1-nip steel-to-steel calender
- 60" (1525 mm) diameter Unwind/rewind
- Infrared and multi-zone air flotation drying



Fourdrinier Paper Machine

Papermaking & Recycling

- 23" (585mm) Fourdrinier Paper Machine
- Spray sizing before the couch
- Internal sizing and surface sizing via pond size press
- 1 to 2-nip steel-to-steel calender
- Specializing in wet end trials
- Use secondary fiber repulped at WMU
- Complete secondary fiber facility



New DuPont Appearance Analyzer

Printing & Converting

- Gravure press
- Flexo press
- Post-trial board converting (via a local converter)

Testing Services

- Full range of physical and optical sheet property testing
- Full range of printability testing

Faculty Research, Development Projects & Expertise

- Barrier coating and pigment coating technology
- Nano-particle technology for barrier coatings
- Curtain coating research
- **New** Impregnator research (in fundamental and applied technology) focused on controlled surface penetration

Visit

www.wmupilotplant.com for more information on the other equipment and services of Western Michigan University's pilot plants.