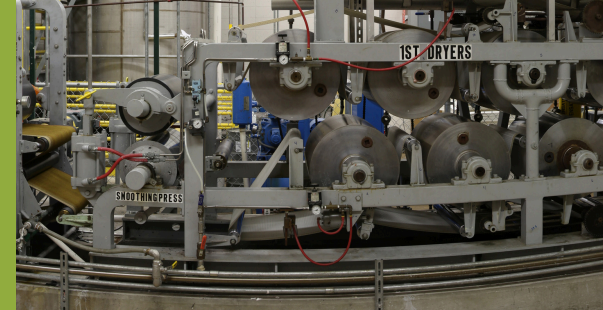


FOURDRINIER PILOT PAPER MACHINE AND PAPER TESTING SERVICES



Why Work With Us?

Building new formulations in papermaking is crucial for profitability and quality output, but testing on your equipment creates downtime. Keep your machines profitable while we test your formulations.



Speeds up to 200 fpm



20-inch sheet in basis weight from 40 to 350 gsm



Chemicals can be metered at seven locations



Wet-end includes a dandy roll, single-felted, two-nip wet press and a smoothing press



Dry end features two independent dryer sections, horizontal size press and calender stack



Stock preparation area features a hydropulper, two-stage cleaner system, slotted pressure screen and temperature control

Paper and Pulp Testing Services

We provide a full line of paper testing services to support your technical and quality goals. Testing is performed according to TAPPI, ASTM, and ISO standard methods. All samples and test data are strictly confidential.

We also have experience with a wide range of biomass, including novel materials. We provide trials for wood and nonwood biomass including food processing by-products and agricultural residual materials. We will work with you to develop the right trial for your product.

Services We Offer

- ✓ Production Runs
- ✓ Equipment Evaluation
- ✓ Recyclability Studies
- ✓ Retention Studies
- ✓ Furnish Studies
- ✓ Repulpability Studies
- ✓ Commercial-grade Development
- ✓ Raw Materials Additive Studies
- ✓ Chemical Additive Studies

About Us

The Wisconsin Institute for Sustainable Technology harnesses the knowledge of the university, the experience of the business community, and the resources of state and national partners. Based in the College of Natural Resources at UW-Stevens Point, WIST has been leading change and helping to align organizational goals since 2010.

Contact us for more info



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Wisconsin Institute for Sustainable Technology
College of Natural Resources
University of Wisconsin - Stevens Point

Paper Testing Services Price List

Test	Method	Price/ sample	Notes
ABC Pulping Liquor Test		\$245	Three replicates
Absorption Time, Water Drop	T432	\$90	Test time, five-minute maximum
Ash Testing (525° C)	T211	\$140	
Ash Testing (900° C)	T413	\$175	
Basis Weight (Paper and Paperboard)	T410	\$65	
Brightness	T525, T571	\$65	
Britt Jar, Fines (pulp)	T261	\$280	Requires consistency
Bulk/Density	T220	\$60	Included with basis weight and caliper
Burst	T220	\$85	10 on each side
Caliper	T411	\$60	
Charge Analysis	Mutek	\$370	Samples must be shipped overnight delivery
Cobb Size Test	T441	\$140	Replicates depend on type of size used
Color L, a, b		\$75	
Consistency	T240	\$110	
Digester - Pulping Studies		\$115/ hour	Request quote based on specific conditions
Disk Refiner		\$350/ condition	
Fiber Length Distribution - Morfi		\$140	
Fiber Length Distribution - Morfi w/ shives or coarseness		\$160	
Folding / Endurance	T511	\$160	10 in MD and 10 in CD
Formation Analysis	Optest Micro-Scanner	\$100	
Freeness	T227	\$95	
Gloss	T480	\$110	
Gurley Porosity	T460	\$95	5 on felt and 5 on wire, reported as one
Handsheet Preparation and Physical Testing Package	T220	\$530	Includes basis weight, burst, caliper, density, tear, tensile
Handsheet Preparation Only	T205	\$180	

Test	Method	Price/ sample	Notes
HST	T530	\$130	
Kappa Number	T236	\$245	
Klason Lignin	TAPPI 60(10): 143(1977)	\$280	Detection limit of 2%
Moisture Analysis - Halogen Balance		\$90	
Opacity	T519	\$100	
Paper Making		\$7,000 to \$9,000 for an eight- hour day	The rate varies since trial plans are unique and differences affect the pricing. Shipping, materials, and other supplies and services charged in addition. Stock preparation, start-up and shut-down time is included in the eight-hour period. Contact us for a detailed price quote.
Parker Print Surf	T555	\$95	
PFI Mill	T248	\$2,500	Includes 5-point CSF (0, 3,000, 5,000, 10,000, 15,000 revs), handsheet preparation and testing. Require 210 g o.d. fiber
Pulmac Master Screen Shive Analysis	T274	\$185	
Repulpability - Modified UWSP Version	UM 213 + Formation	\$280	Repulpability of tapes
Repulpability - TAPPI UM Method Only	UM 213	\$185	Repulpability of tapes
Ring Crush	T818	\$130	
Roughness (Sheffield Method)	T538	\$85	
Sommerville Flat Screen	T278	\$185	Per sample; sample weight is 20 g
Stiffness, Taber	T566	\$130	5 in MD and 5 in CD
Tear	T414	\$100	10 in MD and 10 in CD
Tensile (stretch, TEA, modulus)	T494	\$160	10 in MD and 10 in CD
Viscosity	T230	\$315	
Viscosity (Brookfield)		\$280	
Water Retention Value	UM256	\$140	
Wax Pick Test	T459	\$160	5 on each side
Zero-span Tensile	T231	\$165	Representative samples from each direction