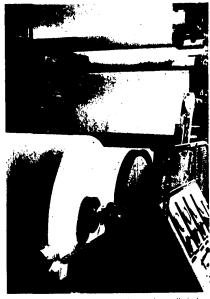


Defibering the processed pulp is accomplished through a sturrying procedure underground . . .



... and covered in watery sheets through 20 steam-drying barrels ...



 \ldots before the dry, pressed form is wound on rolls to be processed, trimmed and shipped \ldots

Making paper is like mixing cake batter

The next time you eat a hist dog, drink a beer or write a third you go and hist dog, drink a beer or write a third you not be to your Aust Afdele in Iswa stop and thirk for a moment about the dozenel of processes that make those things postable and enjoy able. One of the least familiar to did not in a first and her are the size of the size

A highly specialized low volume manufacturing drim. Diration paper is the pinmany pixel of down a few paper compapers in the Moderet, and the Rochester
Paper Co. is one of them.

The plant uses a single paper-making
machine, and only chemical pulps.

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IT EVERYTHING combined the ma-chine the process, the constant scrutiny and the 24 hours a day lab work, that per-mits the lose-volume plant to remain suc-cessful in a highly competitive industry, said William Kirkland, plant manager

"We deal strictly in highly technical fil-tration products high quality and of never manifest that the strict of the strict manifest of the strict of the strict manifest of the strict of the strict manifest of the strict of the strict comparison to most other commercial paper forms because they can not afford the machine down time that is a part of our operation."

Think of making paper in terms of musng a cake haster. Kirizking said "You
gen with a base recept, add so much of
has so much of that, a little color—well,
e do much of the same thing:
The basic recept consists of defibering
he plujin making and musing it in the proper consistency and reforming it in
few form. There are three primary mustic
setting methods or means of obtaining
the basic pulp, kirit and said.





The batter-like maxture is then pumped into the paper machine, a combination of holding tank, conveyor belt, drying drums and rolling device

THE SLURRY, or batter, is at a con-sistency of two-tenths of one per cent solids to water when the process begins. Molded fills over a "upon-filament sheet, the solid is pressed into these form, while the largest portion of where is forced out and recovered for further use

"The paper is still very wet at this point." Kirkland said. "Although it appears to be actual paper, the process is just beginning."

A beta-ray gauge, part of the firm's com-



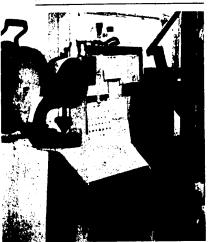
puterized monitoring system, takes contin-ual readings of the product's thickness, density and fiber content.

The nearly dry paper sheet is then rolled into large containers and transported for testing before shipment.

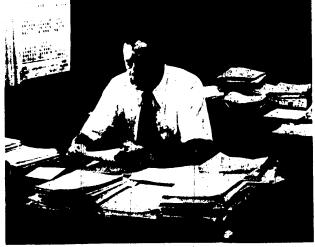
"Because of the highly technical quality of the product, any product not meeting exact specifications during testing is not shipped." Kirkland said: Instead, the pec-cadillo is corrected, the batch reslurried, and the process has begun again.

Paper used in the manufacture of oil fil-ters for the automotive industry is covered with a plastic-like resio, which does not alter the paper, but strengthens is Punch presses and dis-cutting machines stamp the filter paper to correct size, generating waste paper that is baled and recycled.

At a pace of 200 feet per minute, the magic paper-making machine transforms a goosy tank of fibers into a neat roll of cut and dried products for mass consumption. The plant's single machine, like a culinary artist, precisely mixes the batter, adds the ingredients, molds the shape and forms even the thinnest of "sheetcakes" before cutting it to size with jets of fresh water.



The company's conditioned leb maintains a constant 72 de-rece temperature and 50 per cent relative humidity.



Willem Kirkland, plant menager, keppe tabe on the seven-day-a-week 24-hour-a-day operation.