



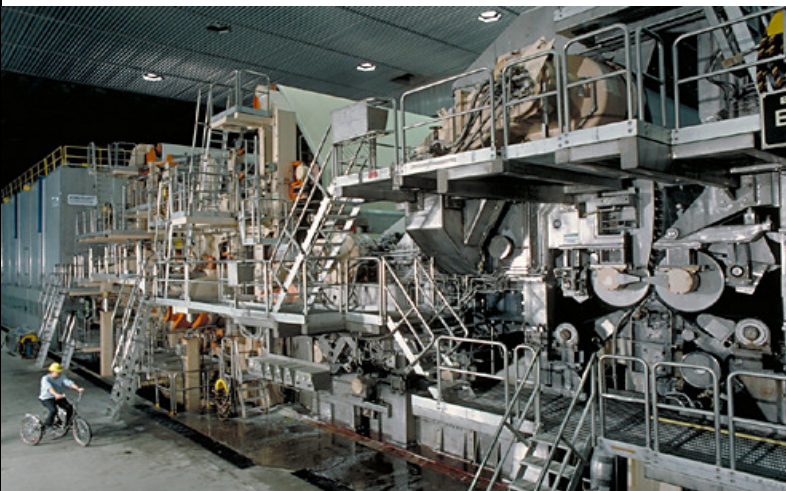
Plastics Replace Metal in Paper Applications

Plastic materials provide longer life and reduced maintenance costs in Paper Mill Applications. Two of these applications used a mica PTFE material Fluorosint 500. Mica filled Fluorosint is 1/3 harder than traditional PTFE, has better wear characteristics while maintaining low frictional properties. Fluorosint 500 is a self lubricating material that eliminates the need for re-lubrication.

Paper Mill Slitter/winder Bushings

Large rolls of wound newsprint paper must be cut to various widths and rewound on a large rewind machine. The bearings on these rolls must center and hold the hold the rewind bar. They were grease lubricated tapered roller bearings. During the rewind process the frictional heat would build up and cause the grease to run out of the bearing. The lack of lubrication would cause the bearings to sieze and eventually fail. Fluorosint 500 was chosen to replace the bearings allowing for the elimination of grease and contamination of the newsprint.

The Fluorosint bushings reduced bearing failures and downtime, increasing productivity and reducing costs.



Doctor Blade Bushings:

Doctor blades act like a squeegee or scraper in the production of tissue paper. The bearings supporting these blades are supported by self-aligning pillow block bearings. These pillow blocks are often mounted sintered bronze bushings. As these bronze bushings wear, metal shavings and dust contaminate the paper in process. Fluorosint 500 has been selected to replace these bronze busings. **The Fluorosint bushings eliminated the need for lubrication and the contamination of the process. They provide longer life and reduced operating costs.**

Plastics are frequently used to replace metal in applications in many process industries. Plastic offers a self lubricating service, longer life and lighter weight.



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