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# 岳阳林纸年产 20 万吨胶印书刊纸综合设计

## 摘 要

造纸术是中国的四大发明，造纸工业也是最古老的总部衰竭的工业。随着社会经济的发展，造纸工业的发展不仅仅局限于本行业，更是能提现出一个国家经济科技的发展。现在世界上像美国、加拿大这种经济比较发达的国家，造纸工业技术和设备都非常发达。当下。造纸工业已经成为了中国国民经济发展不可或缺的行业。其他行业也广泛应用着造纸行业的产品、化学品等。这样造纸行业的不断发展也推动了相关行业的发展，相互促进。

本次设计采用 30%阔叶浆板以及 70%化机浆作为造纸原料生产胶印书刊纸，以最合适的生产工艺以及准确的浆水平衡计算来进行合理的设计。本设计主要包括年产 20 万吨胶印书刊纸工艺流程确定及说明、浆水平衡计算、设备选型、厂区布置等。还包括需要绘制的工艺流程图、浆水平衡图以及厂区布置图。

**关键词：**胶印书刊纸；工艺流程；浆水平衡；设备选择；

## Abstract

Paper making is China's four great inventions, and the paper making industry is also the oldest industry with its headquarters exhausted. With the progress of society and the development of the economy, paper industry is not fully limited ,it definitely have a significant impact on the burgeoning of country especially in economy and

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technology. There are many developed countries, like the United States and Canada, whose paper making technology is highly advanced. In contemporary society, the paper industry has become an essential role for the China's national economy. Paper industry products and by-products like chemicals are also widely used in other industries. From this point of view, the paper industry not only operates well, but also promotes the rapid expansion of other industries.

In this design, 30% wide-leaf pulp board and 70% chemical mechanical pulp are used as paper making raw materials to produce offset printing book paper, and reasonable design is carried out by the most suitable production process and accurate pulp water balance calculation. This design mainly includes the determination and explanation of the process flow of 200,000 tons of offset printing books and periodicals paper per year, the calculation of pulp-water balance, the selection of equipment, the layout of the factory area, etc. It also includes the process flow chart to be drawn, slurry water balance chart and plant layout chart.

Key words: offset paper; Process flow; Slurry water balance; Equipment selection;

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