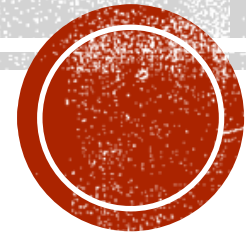


RECYCLING PAPER



Presentation by

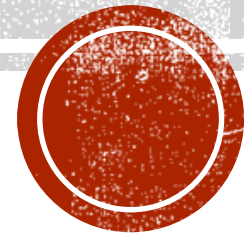
<http://www.primaryinfo.com>



**THE WORLD CONSUMPTION OF PAPER PRODUCTS IS MASSIVE ,
THEREFORE THE DISPOSAL PROBLEMS ARE ALSO MASSIVE,
TRADITIONALLY INVOLVING EITHER INCINERATION
OR LANDFILL.**

WHY RECYCLE ?

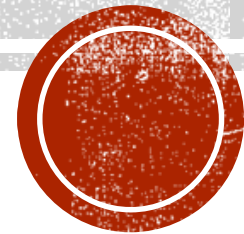
Raw pulp manufacture produces significantly more Nitrogen Oxide, Sulphur Oxide and Methane as well as requiring higher water and power consumption. Recycling helps avoiding these environment issues



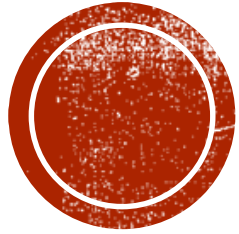
BENEFITS OF RECYCLING

It takes 17 trees and 1500 liters of oil to make one tone of paper ; an average household throws away 1 kg of newspaper every week. That's one tree a year

Producing recycling paper creates 74% less air pollution and 35% less water pollution than producing paper from virgin fibres.



PROCESS OF RECYCLING



- **Paper Recycling processes include the following main steps**
- **Pulping, Screening, Centrifugal cleaning, Flotation, Kneading or dispersion, Washing, Bleaching, Papermaking**
- **Newsprint papers, Printing paper and tissue can be made by this recycling process that can be repeated at least 5 to seven times.**
- Automatic recycling machine will increase the turnover ratio significantly and the use of plate heater will be an advantage to heat in wet condition

- **Process water is cleaned for reuse and The unusable material left over, mainly ink, plastics, filler and short fibers, is called sludge. The sludge is buried in a landfill, burned to create energy at the paper mill or used as a fertilizer by local farmers**

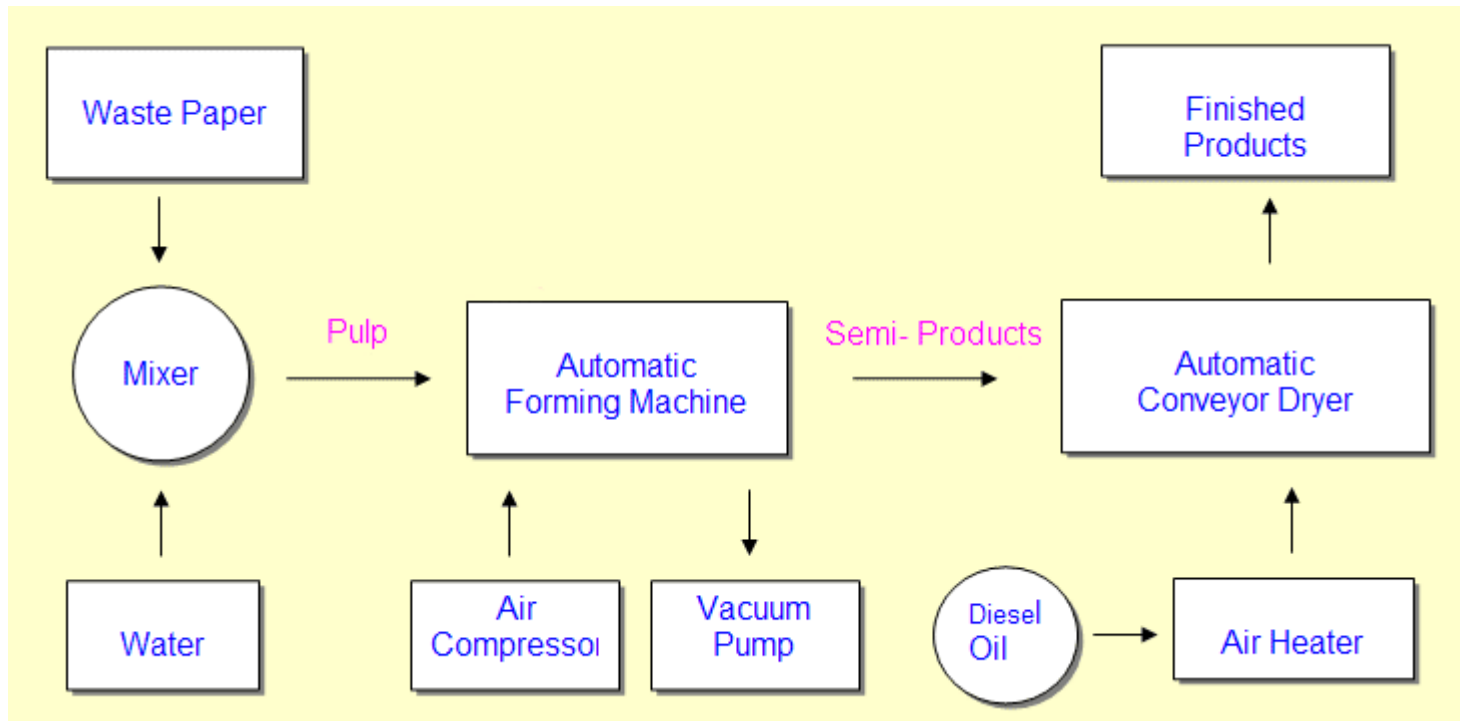


PLANT & MACHINERY — IN THE MARKET



Recycling machine varies ; Start with a small machine that costs around 5 lakhs while the medium costs at Rs **10 lakhs** and the large one costs Rs **35 lakhs and above**. Hiring expert technician and labor will cost you Rs 50 thousand per month, according to some experts in the field

Recycling is profitable !



We offer this data base !

Recycling Paper

Project Information, Equipments , Manufacturing , Companies

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Project, Trade Technology Information - Contents on CD ROM

Information profile @ a Glance

- It takes 17 trees and 1500 liters of oil to make one tone of paper ; an average household throws away 1 kg of newspaper every week. That's one tree a year
- Producing recycling paper creates 74% less air pollution and 35% less water pollution than producing paper from

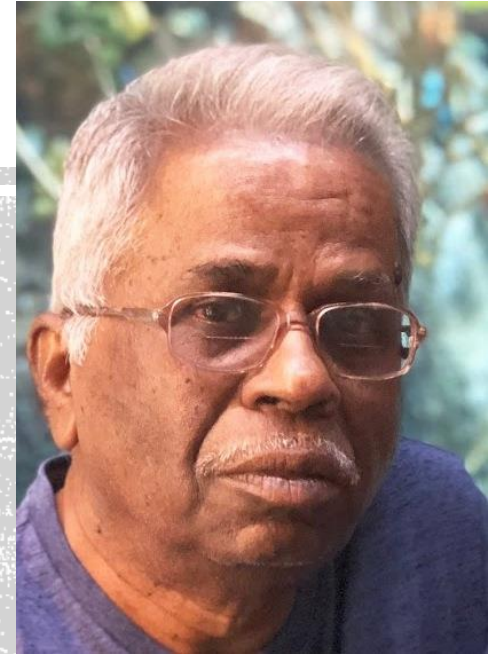
Basic Information

- Recycling overview
- Paper only?
- House hold Recycling
- Possibilities

Technology Information

- Cups
- Paper Cup Recycling
- Recycling of Hot Drink Paper Cups
- Thermal Paper Rolls

QUESTIONS?



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