



HOW PAPER IS MADE

Learn how we manufacture paper by watching the video or reading about the process below.

PAPERLINK

www.ipaperlink.com

1. Pulping



2. Papermaking



3. Finishing



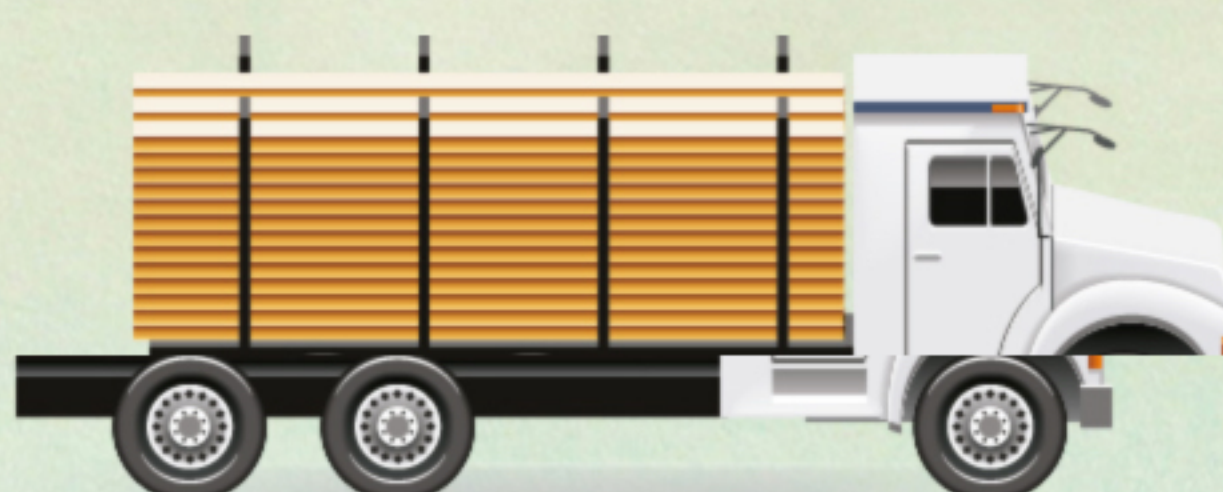
PULPING

From its raw form, wood from trees have to be carefully prepared before it can be used for papermaking.

STEP 1

De-Barking & Chipping:

Bark which cannot be used for papermaking is stripped from the log and used for energy. Stripped logs are chipped into small pieces and recovered for further processing.

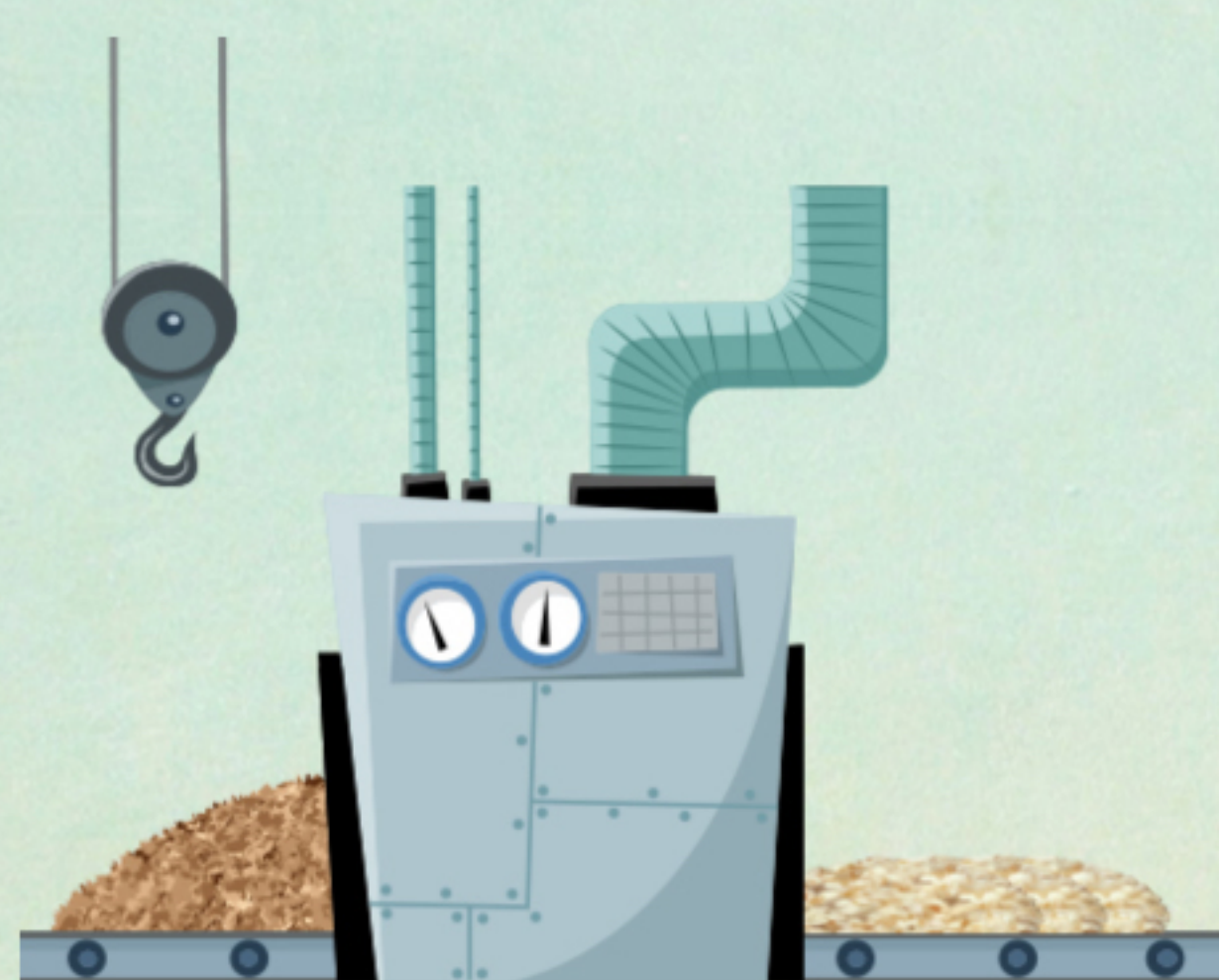


STEP 2

Chemical & mechanical pulping:

The woodchips are cooked to remove lignin and are grounded to separate the fibers.

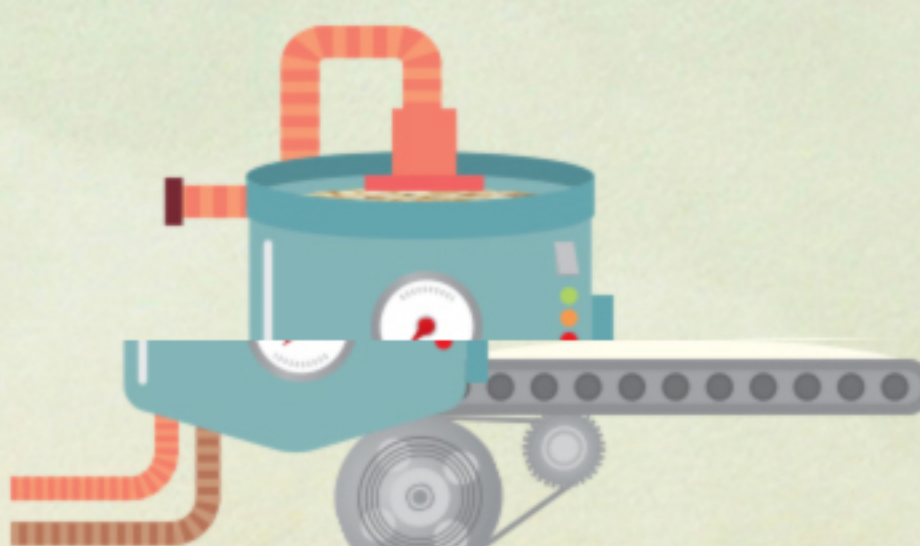
Byproducts from this process are used to generate energy for the entire mill complex and excess energy is channelled to the mill and town sites.



STEP 3

Cleaning:

The fibers are then meshed, screened and dried through an ECF process and the subsequent pulp produced are then baled or supplied in slush form for paper making.



PAPERMAKING

From pulp, sheets of paper start to take shape through several processes

STEP 4

Head Box:

The head box squirts a mixture of water and fiber through a thin horizontal slit across the machine's width onto an endless moving wire mesh.

STEP 5

Wire Section:

The water is then removed on a wire section. Here the fibers start to spread and consolidate into a thin mat. This process is called "sheet formation".

STEP 6

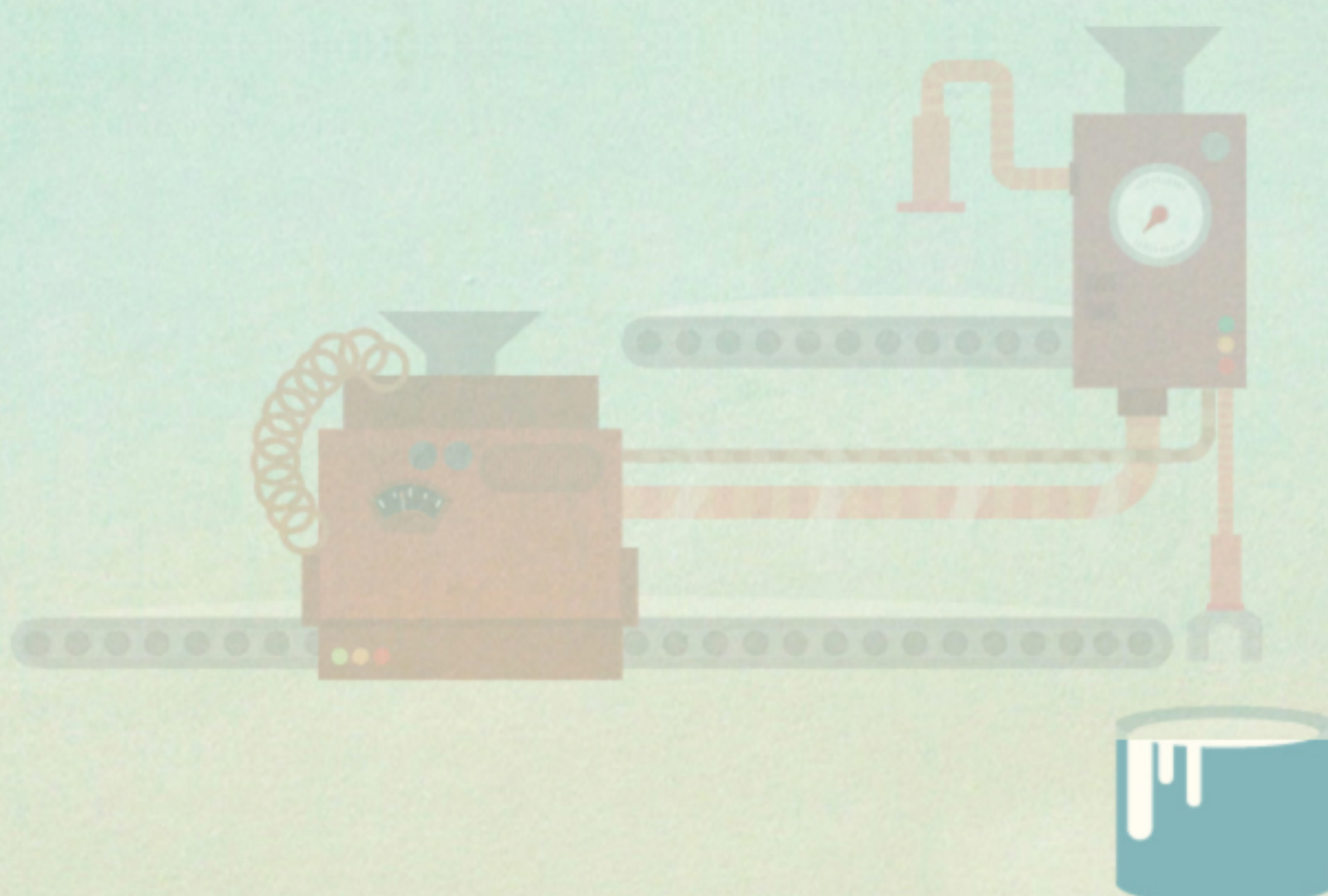
Press Section:

The press section lowers the water content of the thin mat of paper by 50%.

STEP 7

Drying:

A series of cast-iron cylinders, heated to a temperature in excess of 100 degrees Celsius, further removes excess water to the desired paper specifications and is subsequently wound into jumbo reels.



FINISHING

Premium paper is made only with special effort on finishing it well

STEP 8

Converting:

The jumbo reel is processed into smaller reels for further conversion.



STEP 9

Finishing & Packaging:

The reels are sold direct to customers or are further processed into folio sheets or packaged into cutsize products for your daily use.

