



Recycling of wood



The background of the slide features a light gray world map. In the foreground, at the bottom, is a large pile of cut logs of various sizes, showing their natural wood grain and bark. The logs are stacked haphazardly, with some ends facing the viewer and others showing the side grain.

What is wood recycling?

Wood recycling is the process of converting waste wood into usable products. The products created from recycling waste wood are used in paper production, panel board production, wood pellets, energy production and more.

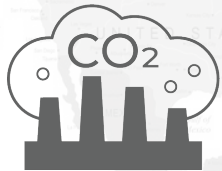
How often can we reuse wood?

Wood can be recycled 5–7 times, sometimes more than 20 times. The number of times varies depending on the type of wood and the method of reuse. The process of wood recycling typically begins with the collection of wood waste from various sources, such as construction sites, businesses and homes.

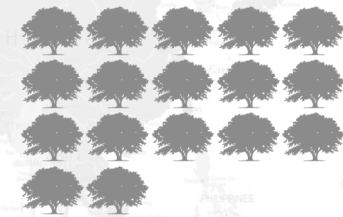
The importance of recycling wood



It saves 5,275 kilowatts of energy.



It can prevent 1.6 tonnes of greenhouse gas emissions



About 17 trees



It will create 36 jobs

what are The importance of recycling wood?



2.5 meters three times trash can

Some examples on the economic benefits of wood recycling



▶ **Reduced raw material costs:** Wood recycling can help reduce the need for sawdust, a costly resource.

▶ **A U.S. Forest Service study found that recycling wood can save up to 30% on raw material costs.**

▶ **Research by the National Recycling Alliance has shown that the wood recycling industry creates over(100,000) jobs in the United States**

What can recycled wood be used for?

packaging materials



construction materials



furniture



cladding with wood



Biological Energy



Wood recycling process



collecting



seperating



fragmentation



Screening



cleaning



producing

Equipment required for wood recycling

1. Transportation equipment

Price: \$10,0
Width: 0.5 – 2 m
Height: 0.8 – 1.5 m
Length: 1 – 5 m



2. screening equipment

Price: \$7,0
Width: 0.8 – 2 m
Height: 1.2 – 2.4 m
Length: 2 – 4 m



3. wood shredding machine

Price: \$10,0
Width: 0.6 – 1.8 m
Height: 1.2 – 2.4 m
Length: 1.8 – 3.6 m



4. Bleaching equipment

Price: \$10,0
Width: 1 – 2 m
Height: 1.5 – 2.5 m
Length: 2 – 5 m



5. Drying equipment

Price: \$7,0
Width: 1 – 2 m
Height: 1.5 – 2.5 m
Length: 2 – 5 m



6. Washing machine

Price: \$12,0
Width: 1 – 2 m
Height: 1.5 – 2.5 m
Length: 2 – 6 m

