

4 Ways Tube and Core Manufacturers Can Reduce Waste

A Guide to Preserving Paper and
Improving Production



What are the challenges?

Today, there's no shortage of waste awareness and initiatives in business. Companies are inundated with the concept of "going green" and reducing their impact on the environment. It's no longer acceptable for businesses to over-consume or waste materials without a legitimate purpose and explanation.

In the paper industry, waste reduction is essential. While producing and converting paper, businesses are expected to use the most conservative practices to preserve paper and prevent unnecessary waste. Large-scale paper production means higher standards when it comes to preventing and managing waste.

One subsection of the paper industry is tube and core manufacturing. Tubes and cores are used for a variety of products such as shipping tubes, textile tubes, film and flexible packaging cores, tape and label cores, retail product containers or for industrial uses. Whatever the purpose, tubes and cores require exact types of paper to serve their function. Here's a look at some simple ways tube and core manufacturers can preserve material and reduce waste:



Seek Value

According to the Environmental Protection Agency, every year we use about 70 million tons of paper and paperboard. Tube and core manufacturers can begin reducing waste by using higher yield alternative paper grades. More lineal footage per pound on a roll of paper can increase yield and decrease cost and waste.

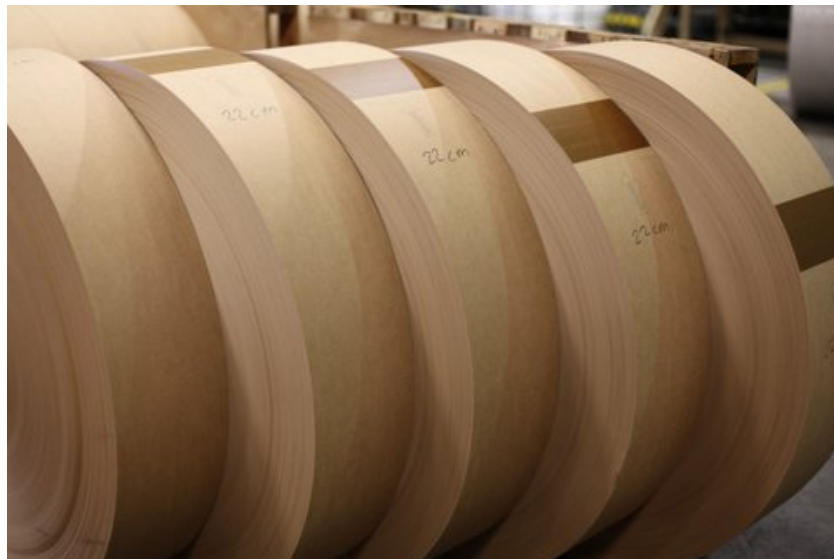
It's important for tube and core manufacturers to look for paper converters that will maximize the value of a paper roll. Using minimal splices during production can significantly reduce tube waste, and save money in the process.

At Oren International, we know that fewer roll changes means less scrap from splices, as well as fewer machine slow-downs. Alternative lower basis weights help reduce a manufacturer's cost per lineal foot. Think about changing out a paper roll repeatedly during the tube and core production process. Each time a roll runs out and has to be changed over, the machine loses efficiency, and time is added to the process. This also generates waste.

Precision Counts

Consider this statistic, according to the American Forest and Paper Association, the U.S. uses 25% of the world's paper products and the average American uses more than 748 pounds of paper per year.

Another way tube and core manufacturers can reduce waste is insure their paper converter is providing with them with accurately slit paper rolls. One of the causes of waste in the tube and core industry is from paper that is incorrectly slit.



In addition, tubes or cores with printed images or logos also require precision in printing and layout. If the image on a tube or core is printed with incorrect measurements, the paper used to wind the tube or core will form an image that doesn't match up and will go to waste, or look unprofessional in the outcome. Avoid this issue by seeking out paper for tube and core manufacturing from a trusted paper converting company and by providing detailed measurements for your products.

Use a Consistent Product

Repetition breeds familiarity. Having a consistent product will cut down on mistakes and keep the production process moving more efficiently. One way to achieve a consistent paper product is through consistent paper characteristics. Qualities such as water hold out, smoothness of sheet, finish of sheet, and moisture are important factors for the paper used in tube and core manufacturing. The ideal consistent tube or core paper should align evenly together when wound if the slit width is correct. Tight registration and a consistent product help reduce overall waste.



Recycle

This is the easiest solution for paper waste. The bad news, paper and paperboard products represent the largest portion of our municipal solid waste stream (i.e., trash). The good news, in 2011, we recycled nearly 66 percent (or nearly 46 million tons) of all the paper that Americans used, according to the EPA.

Recycling is the ultimate key that tube and core manufacturers can use to manage the waste incurred during the production process in a sustainable way. Partnering up with a local recycling facility or using machinery to collect and compact your paper waste can keep the process simple for your business. And, avoid throwing away board and cores that you don't have to in the production process.

When you use simple steps like these, not only do you cut down on waste, you reduce costs and down time. As a tube and core manufacturer, look for a paper converting company that offers overall value for your paper needs. Having precise measurements, using a consistent product and recycling left over material are all ways you can produce quality tubes and cores while reducing waste.



Contact [OREN International](#) if you'd like more information on our tube and core components. If you'd like more information on paper's impact on the environment, download our guide – [Paper: Environmental Myths and Facts](#)



1995 Hollywood Avenue Pensacola, FL 32505

850.433.9080

info@oren-intl.com