

How To Build A Simple Air Cannon

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Air Cannons from [American Air Cannons](#) produces state of the art, custom built air cannons that will shoot almost everything. These handmade pneumatic air cannons are custom built for you, for maximum fun and longevity.

[American Air Cannons](#) builds several different models of air cannons, including Potato Cannons, Golf Ball Cannons, T-Shirt Cannons, and Tennis Ball Cannons. We offer [easy to follow air cannon plans](#), [air cannon kits](#), and pre built air cannons and Potato Launchers as well.

Compressed Air Cannons Are Best

Our air cannons use only compressed air, so they are cleaner, safer and more reliable than standard fuel or aerosol air cannons. The trigger or release is simple single piece assembly that will last for years without failing. Another choice is a fast open ball valve so no batteries are ever needed.

How Far Will An Air Cannon Shoot

Many people often ask, "How far will these air cannons shoot?" The range varies depending on air pressure, projectile type and barrel diameter size. The smaller air cannons will shoot between 100 - 300 yards. The larger Heavy Duty air cannons will shoot 300 yards to over a half mile depending on your projectile. All of our air cannons are designed to be simple, reliable and very easy to build. Each of our cannons have been tested for reliability and ruggedness.

How To Customize Your Air Cannon

The artist in your family will love being able to add their own custom paint job to your cannon, as they come unpainted. Simply download our [easy to follow, step-by-step plans](#), glue the parts together and add a little compressed air through an air valve and you are ready to shoot. Simply wedge a potato or tennis ball down the barrel and fire away. Take your air cannon to the desert, open field or family picnic. Surprise your family and friends with endless hours of fun and excitement. The fun with these air cannons never ends.

What Makes An Air Cannon Work

The two main factors that affect the power and range of ANY air cannon is the volume of air stored for shooting and the way it is delivered. The volume of air it delivers is the power behind any air cannon. For

example, a long barrel with a large amount of compressed air works really well because you are giving the release air time and distance in the barrel to work. If you want to create a more powerful air cannon, use both size and volume. Make the air chamber twice the size of the barrel and almost as long. For example, for shooting potatoes, you can have a 36" long 1.5" diameter barrel and a 16" 3" diameter air chamber. This combination only needs about 80 PSI of air to shoot a potato well over 300 yards, depending on wind conditions.

Who Uses Air Cannons

Our [air cannons have been used by Sports Teams](#), Off Road teams, The US Coast Guard, Hollywood, and many corporations for promotional events. Our air cannons have also been used for emergency fast water rescue in Hawaii and Zip line implementation throughout North America. Many Golf Course Designers enjoy our air cannons for testing their fairway designs and distance.