

## **CASE STUDY: Can Crusher**

### **Introduction**




Can Crusher is one of the tools that help us with material recycling and money saving. Can Crushers are advantageous for canned beverage drinkers; however, they are still not popular. This is because they are either ineffective or expensive. Therefore, there is a need for a Can Crusher that is easy to use, effective, affordable and compact for a countertop or shelf or mounted on a wall. In addition, contain a lever for crushing, ability to handle multiple cans at one time, ability to fit both 12-ounce and 16-ounce cans. It should be user-friendly and strong to provide comfortable, smooth operation for a long time.

### **Available Can Crusher**

The Can Crushers currently available are either ineffective or expensive. The simplest and least expensive Can Crusher is “Basic Industries International”. This option is relatively cheap, but is not effective because it loads only one can at a time, cans can have a tendency to slip out of the crusher quickly after being crushed.

Another option is “MasterCrush, which is a more expensive and heavy-duty crusher with a long arm that gives you extra leverage. This option works great, operates smoothly and can do larger cans. The additional costs of this method reflect in the improved effectiveness, however, not enough to make this option an appropriate solution. “Habco”, this heavy-duty can crusher lets you smash six cans at once; made from steel, mounts on the wall, easy to use.

The following are Can Crushers solutions that are available on the market *today*:

<i>Image</i>	<i>Description</i>
 <p data-bbox="207 548 488 611">MasterCrush Aluminum Can Crusher</p>	<p data-bbox="537 310 927 338"><b><i>This first solution MasterCrush</i></b></p> <p data-bbox="537 344 1333 371">A heavy-duty crusher with a long arm that gives you extra leverage.</p> <p data-bbox="537 411 1446 506">Works great. Operates smoothly. Can do larger cans. Long handle helps give good leverage. Smart design. Sturdy and smooth operation. Made from metal. Well designed and constructed.</p> <p data-bbox="537 543 1463 611">You may need to oil the parts and tighten up the nuts on this to keep it working smoothly.</p> <p data-bbox="537 644 1036 743">Colour Black Item Weight 2.13 Kg Product Dimensions 31 x 16 x 13.2 cm <b>CDN\$ 234.78</b></p>
 <p data-bbox="207 1100 488 1163">Dial Industries Aluminum Can Crusher</p>	<p data-bbox="537 779 967 806"><b><i>The second solution Dial Industries</i></b></p> <p data-bbox="537 812 935 840">Easy Pull Aluminum Can Crusher</p> <p data-bbox="537 879 1430 907">A little crusher that can last reliably for several years and thousands of cans.</p> <p data-bbox="537 947 1495 1073">Compact size. Can be mounted easily on the wall. Made from plastic, but holds up really well. Crushes cans consistently. Easy to use. Works well for people who have arthritis. Not rated for outdoor use, but plastic construction makes it hold up well in the weather.</p> <p data-bbox="537 1113 1446 1180">Does not have the flexibility to crush more than a standard-sized can. Must be lubricated from time to time.</p> <p data-bbox="537 1215 862 1346">Item Weight 998 grams Is Assembly Required No Number Of Pieces 1 Batteries Required No <b>CDN\$ 76.41</b></p>
 <p data-bbox="207 1703 488 1814">Basic Industries International Aluminum Can Crusher</p>	<p data-bbox="537 1388 1130 1415"><b><i>The third solution Basic Industries International</i></b></p> <p data-bbox="537 1434 1333 1501">THE CRUSHER Aluminum Can Compactor This can crusher is a reliable and durable good value for the money.</p> <p data-bbox="537 1535 1471 1602">Works for both 12 and 16 ounce cans. Made from steel for durability. Compact. Well built. Hangs flat on the wall when not in use. Easy to use. Heavy duty.</p> <p data-bbox="537 1619 1487 1686">Loads only one can at a time. Cans can have a tendency to slip out of the crusher quickly after being crushed.</p> <p data-bbox="537 1703 1065 1864">Colour White Item Weight 2.09 Kg Product Dimensions 7.6 x 11.2 x 42.5 cm Material Steel <b>CDN\$ 34.96</b></p>

 <p>Commercial Zone Canpactor Aluminum Can Crusher</p>	<p><b><i>The fourth solution is Commercial Zone</i></b></p> <p>Canpactor 30 Gallon Recycling Bin Large, self-contained and holds 400 crushed cans.</p> <p>Heavy duty plastic. Keeps your cans hidden away in the container after crushing. Helps your recycling. Works as advertised. Great for game rooms or other high-traffic areas. Makes the cans very flat.</p> <p>Manual operation on this can crusher. It is not electric.</p> <p>Item Weight 5.90 kilograms Batteries Required No <b>CDN\$ 313.04</b></p>
 <p>Habco Aluminum Can Crusher</p>	<p><b><i>The final solution is Habco</i></b></p> <p>Can Crusher for Recycling This heavy duty can crusher lets you smash six cans at once.</p> <p>Made from steel. Mounts on the wall. Easy to use. Great product to use if you collect cans and then try to crush them all at once. Saves your arm. Can crush both 16 and 12 ounce cans.</p> <p>For those who just crush one can at a time, this crusher takes up a bit more space than you will really need</p> <p>Item Weight 1.47 Kg Product Dimensions 40.1 x 15.7 x 12.7 cm <b>CDN\$ 113.20</b></p>

**References (you are not allowed to access these references during the exam!)**

1. [https://www.amazon.ca/gp/product/B00FO75OPU/ref=as\\_li\\_tf\\_tl?ie=UTF8&camp=15121&creative=330641&creativeASIN=B00FO75OPU&linkCode=as2&tag=brca-50-gen-20](https://www.amazon.ca/gp/product/B00FO75OPU/ref=as_li_tf_tl?ie=UTF8&camp=15121&creative=330641&creativeASIN=B00FO75OPU&linkCode=as2&tag=brca-50-gen-20)
2. [https://www.amazon.ca/gp/product/B003A23LWY/ref=as\\_li\\_tf\\_tl?ie=UTF8&camp=15121&creative=330641&creativeASIN=B003A23LWY&linkCode=as2&tag=brca-50-gen-20](https://www.amazon.ca/gp/product/B003A23LWY/ref=as_li_tf_tl?ie=UTF8&camp=15121&creative=330641&creativeASIN=B003A23LWY&linkCode=as2&tag=brca-50-gen-20)
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