

## **Riffle Boxes**

Impact Test Equipment Ltd  
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User Guide  
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Riffle boxes are designed for dividing or halving dry materials. Materials poured into the hopper are divided into two equal portions by a series of chutes which discharge alternatively in opposite directions into two separate collecting pans.

Please refer to the relevant standard for specific test procedures.



### **Riffle Box Usage**

1. Select a riffle box with appropriate dimensions for the sample being reduced.
2. Distribute the material evenly in the pan or hopper to allow for an equal amount of material to flow through each chute.
3. Place the collecting pans under the chute exits on either side of the riffle box.
4. Pour the sample into the riffle box at a rate which allows free flow of the sample through the chutes into the pans below.
5. Use the material from one receiver and discard the contents from the other receiver.
6. Repeat the process until the required sample size is obtained.

### **Maintenance**

- Before storage and after every use, clean the chutes of dust and dirt using a suitable brush.
- Handle the riffle boxes carefully to prevent damage and particularly dents.