



## PROCEDURE FOR SAMPLE RESIZING

Below are pictures of machines we use for resizing samples.

Wooden, plastic, ceramic and metallic materials are first crushed into sizable bits using electrical crusher labeled A.

Plastic materials are first melted to molten.

Very large wooden, ceramic and metallic materials are first sized manually.

Wet samples are thoroughly air/oven dried to avoid moisty output.

Note: Some seeds/twigs etc may contain oil or fat, their output is often marshy (not fine) regardless of the number of times introduced to the machines. There are other ways to force fineness, but the properties of the samples may be greatly affected.

Dry samples reduced to sizable bits is then processed to granular or powdery nano sizes using machines 2 or 3.

For specified nano sizes, the industrial sieve shaker below is used to sieve crushed material off the desired particle size and the remnant is crushed again.

For instances where we have to crush different materials one after another, the machines teeth are thoroughly washed, and cloth dried after each material type before using to crush another. We understand the delicacy of the work and ensure the best handling practices.

See Photos/videos of the procedures discussed above here: [www.allschoolabs.com/final-project](http://www.allschoolabs.com/final-project)

**MACHINE 1 – ELECTRICAL CRUSHER (A)**



**MACHINE 2 – MECHANICAL GRINDER (B)**



MACHINE 3 – MECHANICAL GRINDER (C)



MACHINE 4 SIEVE SHAKER



Sincerely,

Handwritten signature of Ken Kendrick.

Ken Kendrick  
Asst. Head of sales,  
theAllGroup Inc.



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