

**FOOD SHAPE  
SORTING OPERATION  
USING AIR PITS  
(VACUUM TWEEZERS)**



TIME  
SAVER



PROCESS  
IMPROVEMENT

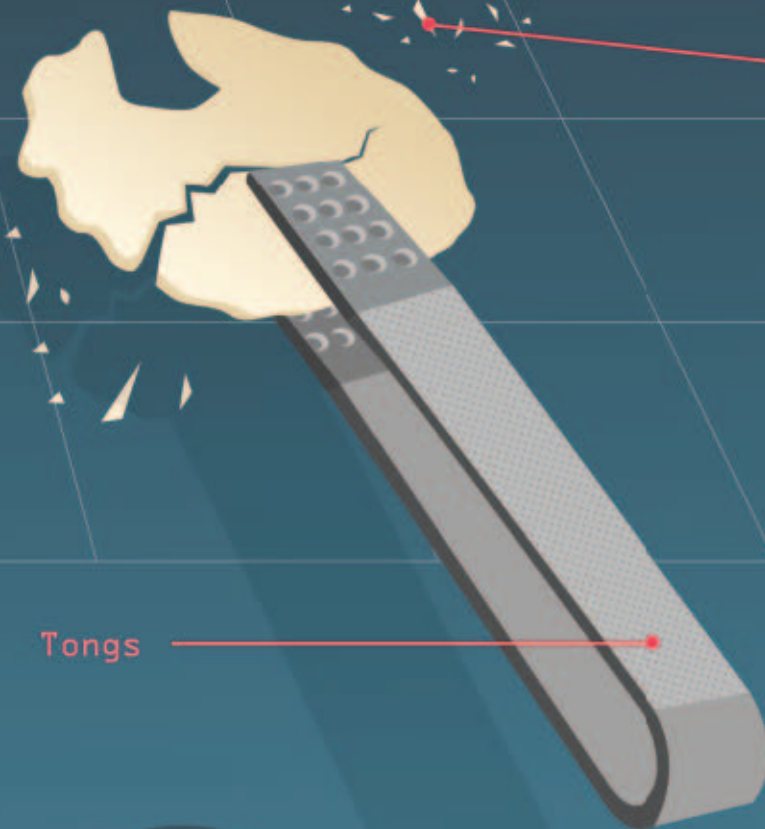


Inefficient tongs are used for sorting defective products.

Workpiece  
(rice crackers)



Thin fried rice crackers with defective shapes (crack, fragment, fissure) are clamped up to be sorted.



Sometimes, the rice crackers crack upon clamping, and fragments are scattered all around.

Tongs



Fatigue from the use of tongs, can cause clamping errors which creates operational mistakes.



By using the vacuum tweezers, sorting can be done easily and efficiently.



Easy release shutter button makes sorting efficient.



Thin and brittle products won't crack with gentle suction power.



Air Pit

By placing the rubber pad type attachment close to the cracker, it will be gently absorbed avoiding any damage.

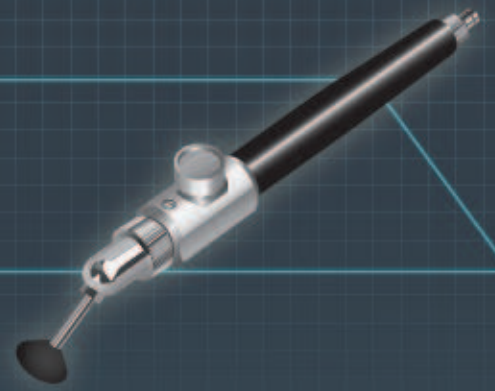
Shutter Button



This operation uses only forefinger. Strong grip is not needed so working long hours is no longer a hardship.

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## Characteristics of Air Pit N/O Type



Handles various workpieces



Shutter release button



Airflow control



Fits to various types of tips



Refraction angles:  
 $0^{\circ}$ - $40^{\circ}$  &  $40^{\circ}$ - $90^{\circ}$



Short type also available

The attachment of the tip (suction part) should be selected depending on the usage and by installing the attachment, the pin becomes a vacuum tweezers.



These vacuum tweezers comfortably handle various types of workpieces: spherical-type, rod-type, plate-type, small and light-type, materials which are brittle, etc. Replacement of the attachment is easy.