

### ABC Juice (Apple, Beet Carrot) Manufacturing Process



# 01

ABC juice is a juice made from finely ground apples, beets, and carrots. It is rich in dietary fiber and contains various nutrients, so it is known for its anti-cancer effect, lowering blood sugar and detoxification. Therefore, in order to keep pace with the needs of health-conscious customers, many food companies are inquiring about high-quality mass production of ABC juice.

#### General Process

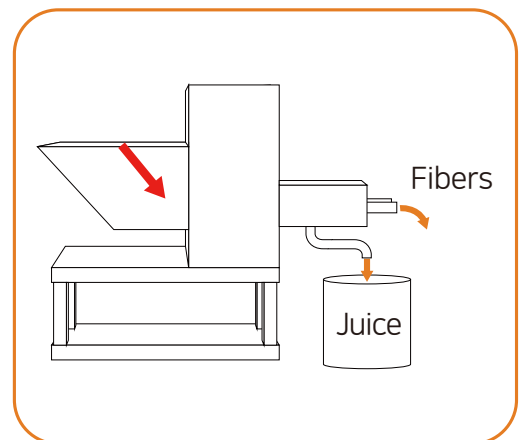
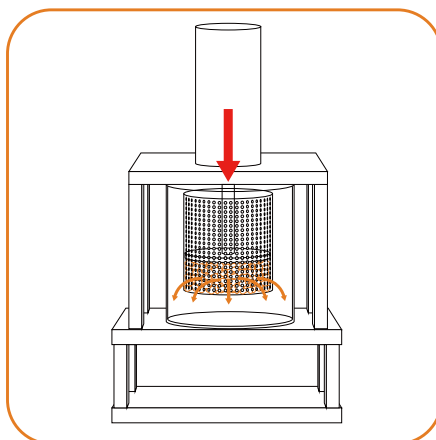
- 1) Prepare apples, beets, and carrots by dicing or slicing them.
- 2) Grind the ingredients through the crushing process such as a juicer, soy milk maker, and milling equipment.
- 3) In the case of a juicer, fiber and juice are separated during production, and soy milk maker or milling equipment is filtered and packaged for a soft texture.

**Applicable process** \*Juice manufacturing \*Fruit puree production  
\*Healthy food manufacturing \*Baby food manufacturing

# 02

#### Problems with existing processes.

- 1) Basically, ABC juice needs to be rich in fiber to maximize its efficacy. However, if the fibers of vegetables or fruits are not finely ground, they give a bad texture and cause layer separation, which may reduce the quality of products during distribution or storage.
- 2) A juicer is often used when producing ABC juice or other juices, but most juicers produce only the fruit juice, excluding the fiber, because fiber and juice are discharged separately. In this case, the texture is soft, but it does not achieve 100% of the original effect of fruit and vegetable juice.
- 3) Some soy milk maker or expensive milling equipment (colloid mills, etc.) are sometimes used. Even at this time, since it is difficult to evenly grind the flesh, it may go through filtering to improve texture or prevent layer separation during distribution, thereby reducing production efficiency.



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