

### Water Blow off - Apple drying

#### Energy Saving Safety Nozzle

#### Problem

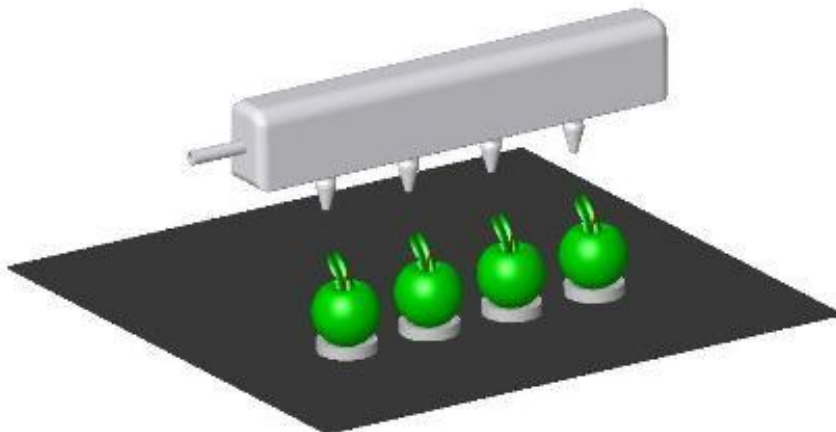
A company that produces apples wanted to stick a label to the apple shortly after a washing process. However, they were encountering the following problems:

1. Excess water left on the apple was preventing the sticker from adhering properly to the apple causing a large percentage of rejects.
2. The number of apples passing through the sticker machine varied from 4 to 16, in rows of 4.

#### Solution

The customer wanted to use a series of Meech Air Technology 80mm Air Curtains to dry the apples prior to the sticker machine. However, due to the spacing of the apples and their shape, Meech suggested 4 Air Saver Safety Nozzles. As the Nozzles produce a cone of air, apposed to the blade produced by an Air Curtain, they are more efficient at drying spherical shapes the size of an apple. Furthermore, they consume less air than an 80mm Air Curtain, reducing running costs as well as reject rates.

Fig.



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