



ID Gripper Reduces Downtime 30%

Challenge:

A polished finish on the outer diameter of a tube required a customer to pick and place these tubes using a bladder style internal gripper. The deflated bladder is placed inside the tube and then inflated, providing pressure to grip the tubing. The bladder design was susceptible to incidental piercing damage, due to metal burrs and rough edges on the inside of the tubing. This resulted in costly downtime and expensive replacement bladders that cost up to \$100 each.

Solution:

Bimba developed a unique internal gripper design using a standard original line cylinder and a piece of flexible urethane capped on both ends. The resulting design eliminated the piercing damage, providing a gripping design that is easy to maintain. This reduced downtime to replace the punctured bladders by 30%, and saved thousands annually by eliminating the expensive replacement bladders completely.

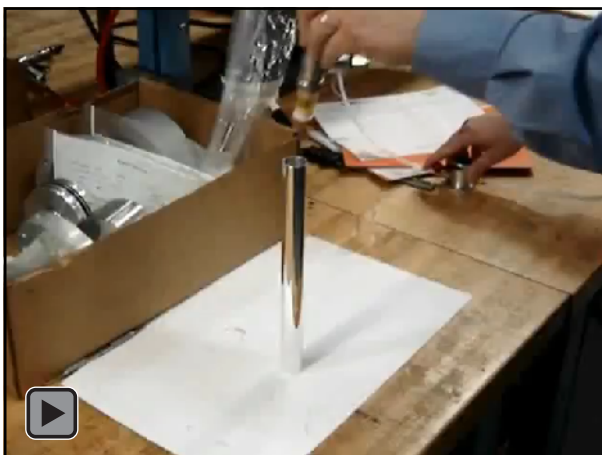


Benefits:

- **Reduced downtime by 30%.**
- **Eliminating replacement bladders saves thousands of dollars annually.**

Other Applications:

- **Fragile Material Handling**
- **Sorting**
- **Leak Testing**
- **Pick and Place Equipment**



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