

# FUTURE DESIGN INC.



**THE HOME OF SATURN AIR RING TECHNOLOGY™**

## **BLOWN FILM EXTRUSION SYSTEM EQUIPMENT AND COMPONENTS**

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## Saturn Bubble Glide System

Future Design's relentless pursuit of quality leads to the innovative design for the **Saturn Bubble Glide** blown film tracking system. Bubble Cages have certainly improved the tracking of the bubble, but at a cost that makes it unattainable for some processors. The Bubble Glide system is our innovative concept that has proven to be the missing link in our quest for quality and repeatability. With a single lever, the operator can adjust the Bubble Glide to meet the exact diameter of the bubble. This maintains all points to be concentric with the centerline with adjustments for the height and diameter to suit any production requirements.

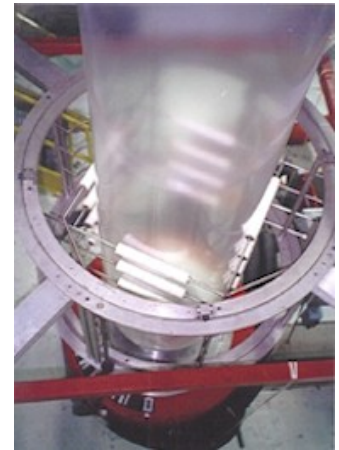
### FEATURES

#### **Benefits:**

- Improved layflat width control
- Improved bubble stability
- Faster setup times
- Reduces wrinkles
- Retrofits to any line

#### **Design:**

- The Bubble Glide is engineered on the principle of two stationary rings and two revolving rings.
- Vertical posts with customized levels of horizontal rods integrate the rings. The rods house frictionless thermoplastic contact rollers.
- Once the Bubble Glide system is plumb with the die and top nip rollers, the possibility of this unit being misaligned, is virtually eliminated.



*Patent # TMA 525 076*

#### **Construction:**

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|---|--|
| <ul style="list-style-type: none"> <li>• High quality machined aluminum structure</li> <li>• Upper and lower machined ring set</li> <li>• Two stationary and two revolving rings</li> <li>• Four point contact around bubble per level</li> <li>• Virgin PTFE friction reducing rollers on all contact areas</li> </ul> | <ul style="list-style-type: none"> <li>• Electro-less nickel-plated spokes</li> <li>• Corrosion resistant construction</li> <li>• Manual control open-close equipped with lever to meet the exact diameter of the bubble</li> <li>• Manual vertical position adjustment to suit any height</li> <li>• Tower mounted</li> </ul> |
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#### **Options:**

- Electric motor driven adjustment for vertical regulation
- Electric motor driven adjustment of inner contacts to accommodate the bubble glide to the exact size of the bubble
- Automation with geared motors
- Can be connected to PLC for further control and repeatability
- Custom mounting frame can be designed/manufactured to suit exact tower dimensions



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