Putting together a perfect solution with Bry-Air

PET is a highly competitive, quality and productivity driven business. Polyethylene terephthalate or PET, as it is commonly known, is one of the most technically challenging materials. It becomes even more challenging when you need to supply to developed markets like USA and Europe.

**About the Client:** M/s Singhania Fabexports Pvt. Ltd. (SFEPL) who has been in the textile business since 1956, ventured into the Plastics business (PET) in the year 2010 to export high quality rigid packaging (PET bottles & PP / PE closures) to USA, Europe, Middle East, Saudi Arabia. When SFEPL ventured into the PET business, they were totally new to the segment.

**Investment:** US$ 10 million.

**Facility:** The plant houses a clean room of Class 10000 for packing section and class 100000 for machine area (production area).

**Technology:** SFEPL PET Plant uses latest imported computer controlled manufacturing process with rigid quality control at all stages of production for making zero tolerance bottles. SFEPL has installed the most advanced AOKI “single-stage” high cycle molding machine and Husky injection molding machines for achieving extremely hygienic conditions as per USA standards.

**Served Industries:** Pharmaceutical • Food • Personal Care

“Bry-Air Honeycomb Dryer, Auto Loader and Mould Temperature Controller has ensured highest quality for our products.”

Mr. Ashutosh Singhania, Director, Singhania Fabexports Pvt. Ltd.
E-mail - ashutosh@sfepl.com
Resin Dryers with 
based on Honeycomb Technology

- Highest Drying Efficiency (upto – 65°C) at lowest energy cost
- Based on Honeycomb Wheel Technology
- Wheel Mounted Cabinet for easy movement
- Versatile, easy to package and handle
- Small footprint; Low volume/weight per CMH

Moisture Problem in PET
When excess moisture is present in the polymer melt in the screw barrel of the moulding machine, a hydrolysis reaction occurs. This reaction degrades the material causing poorer shock resistance, elongation performance and tensile strength. Also, it increases the melt flow which can result in overpacking, parts and runners sticking and flash

Bry-Air® A Perfect Partner to Ensure Quality End Product
As the project was very critical in terms of quality and delivery, a perfect solution for drying the PET resin was an important requirement to get zero defect product, they opted for the most trusted name, Bry-Air. For PET drying, the dryness of the air i.e. dew point is very important. With Bry-Air BHD Series dryers, consistent linear dew point of -40°C is easy to maintain. The air flow display and bed drive failure features alert before the problem arises in produced bottles. These features help in avoiding rejections. Also, the energy consumption is found to be the least in the industry for Bry-Air BHD series. Efficient and economical Bry-Air solution by backed excellent after sales support and superior consultancy made SFEPL to opt for Bry-Air Honeycomb Dryers. Currently, Bry-Air has supplied 3 Dehumidifiers, 3 Auto Loaders and 2 Mould Temperature Controllers.

About Bry-Air Systems
Bry-Air Systems, a division of Bry-Air (Asia) Pvt. Ltd. has been catering to Drying, Conveying, Blending, Heating & Cooling and Mould Dehumidification needs of the plastic processors under one roof.
Bry-Air Products are mainly in injection moulding, blow moulding and extrusion segments of the plastics industry. The company enjoys fine returns from excellent engineering product performance and service support.

Bry-Air surpasses stringent quality standards set by the industry with many of its products being CE certified, which has further added to its credibility of quality in Plastics Auxiliary Equipment market.
Bry-Air has always been in the forefront of technology and innovation through extensive research and R&D in moisture control, air treatment and optimization of energy usage.