



# EGG<sup>PLAST</sup>™

• Drying • Conveying • Blending



## World Biggest Dryer

from **Bry-Air**®

**Bry-Air**

### Once again Pushing Limits to New Heights

Bry-Air, pushing the limits to new heights set a benchmark in dehumidifying drying system recently, by introducing one of the highest capacity drying system under its BHD series Honeycomb Resin Dryers. Drier with a capacity to handle 2000 Kgs/hr of nylon granules drying at  $-65^{\circ}\text{C}$  dew point and air flow of 3500 CMH is probably the world's biggest drier made so far for drying special grade nylon granules. An opportunity to develop such kind of high capacity drying system came from **Dhunseri Petrochem & Tea Limited** a Kolkata based company. **Dhunseri Petrochem & Tea Limited** is one of the largest producers of finest bottle grade PET resins (ASPET). They planned to introduce a new grade of resins for hot filling application, meant for beer, sauces, pickles, flavored milk, honey and other food products.



Bry-Air  
Honeycomb Resin Dryer 3500  
CMH with dew point  $-65^{\circ}\text{C}$   
Installed at Dhunseri,  
West Bengal

For producing desirable grade of resin, the company required a high capacity of dehumidifying dryer which can dry nylon granules @ 2000 Kgs/hr at a  $-65^{\circ}\text{C}$  dew point. Getting a reliable and energy efficient quality solution for the problem was a chief concern for the company.

Bry-Air, known for its R&D based reliable and energy efficient solutions came up with a solution of 3500 CMH, BHD Series drier known as "BHD-3500", with stainless steel drying hopper of 10,000 liters capacity and an auto loader capable of handling 2000 Kgs/hr of nylon granules drying at  $-65^{\circ}\text{C}$  dew point pushing the envelope and its engineering capability to set another benchmark.

### Witness live demonstration of Game Changing Technology at **PLASTINDIA** 2012 Infinite Opportunities

At the threshold of New year, we invite you to witness the live demonstration of game changing technology at our booth in **PlastIndia 2012**. Bry-Air is introducing an innovative, non-contact moisture measurement technology driven product, which can determine core moisture content independent of density, colour and surface structure of the measured resin. Also, witness our new products in the family; Gravimetric Blender and Membrane Dryer, along with our latest offerings in Drying, Conveying and Blending.



## Putting together a perfect solution with Bry-Air

PET is a highly competitive, quality and productivity driven business. Polythylene terephthalate or PET, as it is commonly known, is one of the most technically challenging material. It becomes even more challenging when you need to supply to grown up markets like USA and Europe. M/s Singhania Fabexports Pvt. Ltd. (SFEPL) who has been in the textile business since 1956, ventured into Plastic business (PET) in the year 2010 to export high quality rigid packaging (PET bottles & PP / PE closures) to the USA / Europe / Middle east / Saudi Arabia. When SFEPL ventured in the PET business, they were totally new to the segment.

SFEPL PET plant is situated at Dombivli, Maharashtra, 40 kms from Mumbai International Airport and 50 kms from JNPT port, with an initial investment of US\$ 10 Million. The plant is spread over area of 5500 sq. mtr. The plant houses a clean room of Class 10000 for packing section and class 100000 for machine area (production area).

SFEPL PET Plant uses latest sophisticated technology



with rigid quality control at all stages of production for making zero tolerance bottles. The plants imported computer controlled manufacturing process ensures excellence. On a project of this kind it is absolutely necessary to use the right auxiliary for the quality end product.

SFEPL caters to following industries :

- Pharmaceutical ● Food ● Personal Care

### **Bry-Air** A Perfect Partner to Ensure Quality End Product

SFEPL has installed the most advanced AOKI "single-stage" high cycle molding machine & Husky injection molding machines for achieving extremely hygienic conditions as per USA standards. 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 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 arise 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.

Bry-Air efficient and economical solution backed with 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.

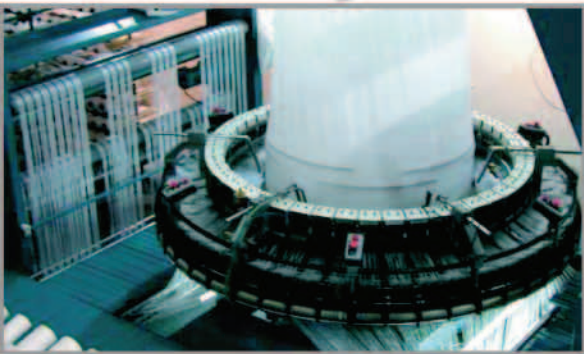
"Bry-Air Honeycomb Dryer, Auto Loader and Mould Temperature Controller has ensured highest quality for our products."

*Mr. Ashutosh Singhania, Director, Singhania Fabexports Pvt. Ltd.*

*E-mail : ashutosh@sfepl.com*



# Drying Conveying Blending Solution for Plastic Extrusion Industry



## Drying

### ■ Improper Drying causes :

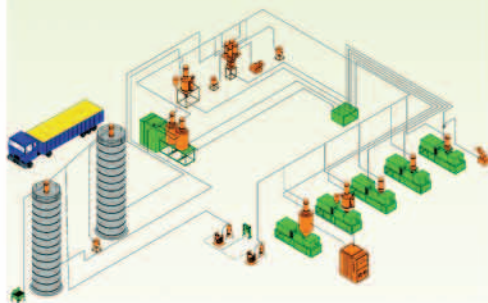
- ◆ Loss in tensile strength
- ◆ Surface Defects
- ◆ Internal Cracking
- ◆ Bubbles



- Drying of resins provide absolute reliability to the end product produced and eliminates rejections due to wastage.

## Conveying

- No Spillage, No Wastage.
- Right material for the Right machine at the Right time.
- Eliminates movement of material through fork lifter.



## Blending

- Eliminates inconsistent conventional mixing systems.
- Easy Change-over of colour.
- Eliminates inventory of coloured material.
- High quality of finished products and consistently uniform colouring.



## 3 Keys for quality Extrusion . . .

- Drying
- Conveying
- Blending

*"Bry Air Centralised Conveying System has been installed in our Company & is working fine for our process. It has helped us in reducing the material movement & time & labour etc. Its a good product to use".*

*Sonu Sharma  
Engineer - Machine Improvement Projects,  
Sterlite Technologies Limited  
Silvassa, Dadra & Nagar Haveli, India.*

*"The driers are performing consistently and we are getting desired results at lesser energy without any down time. We appreciate the team for providing excellent pre sales & after sales support. We are using Bry-Air BHD Honeycomb Resin Dryer for drying our XLPE polymers".*

*MD Joshi,  
Polycab Industries  
Cable Application*

The legacy continues . . .

**Bry-Air striving for a better world !**

**Some updates on recent programs.**



### Maha Camp at Bry-Air

On the auspicious day of Vishwakarma Puja, Bry-Air CSR team arranged a Maha Camp for all PE employees. This camp was strictly for the employees and their relatives. There was a massive turnout of patients and a large number of free spectacles and medicines were distributed. Like all previous camps, cataract operations with lens were also administered.



### Drawing competition for children at Bry-Air & DRI

While the adults were busy queuing up for the camp, the tiny tots had a field day of expressing their creativity at the drawing competition organized at Bry-Air and DRI facilities. 12 winners were chosen and consolation prizes and participation prizes were given as well.



### Eye Camp

Bry-Air arranged a volunteer eye camp for people who needed Eye attention. People from different villages came for the treatment at the Eye Camp. Free spectacles and medicines were distributed, as per doctor's prescription. Cataract operations with lens were performed at the Venu Eye Institution.

## Seminar on Environment Friendly Equipment



Bry-Air organized a seminar on environment friendly, sustainable equipment / methods and the accruing benefits on October 14, 2011 in Gurgaon.

Speakers disseminated opportunities, trends, technology and equipment available to save Energy and water, the two major issues faced by us today.