



ECOPLAST™

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... News From **Bry-Air**[®]
The Dryer Company



opens 2 more new offices ...Johannesburg and Kochi...Expanding the network for better support

STOP PRESS

Bangkok
THAILAND
Our network in Thailand expanded! Look out for better support.

BI (Business India) covers **Bry-Air**[®] Customer



Mr. Rajiv Chawla,
Director, Jairaj Ancillaries

Remaining true to its philosophy of being **'Never too far from our customers'**, Bry-Air is now more closer to its customers in Africa and South India with the opening of its offices in Johannesburg, South Africa and Kochi, Kerala, India.



The office in Johannesburg will support the growing demand of Bry-Air range of products in Africa and serve the existing customers better. This is Bry-Air's first outpost in the region and it compliments its existing network of representatives in Kenya, Nigeria, Tanzania, Mauritius and other African countries.

The office in Kochi, South India, is further strengthening the existing network in Bangalore, Hyderabad and Chennai in South India.



With the Kochi office, Bry-Air now has 8 sales and service offices in India – Delhi, Mumbai, Baroda, Kolkata, Bangalore, Hyderabad, Chennai and Kochi.

"The Faridabad Factor" (Business India, October 24,2004, Page 74) showcases Jairaj Ancillaries. Jairaj Ancillaries manufactures auto components for Munjal Showa and Endurance Systems.

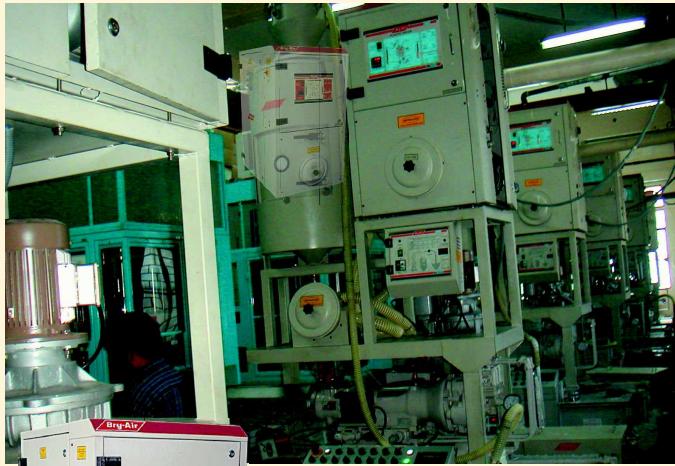
The company is in the process of getting a TS 16949 certification (the highest quality standard for automotive components) after which it will be able to export directly to the Auto giants like General Motors, Toyota, Ford and other IATF members .

Jairaj Ancillaries uses Bry-Air Plastics Dryers to ensure the plastics resins are free from all moisture prior to processing.

Did you miss going to our booth at PLASTVISION 2004 .

For a full display of Bry-Air auxiliaries, please visit the display area at our Corporate Office, Gurgaon or our website www.bryair.com





Dry Resins - Key to hygiene Varahi opts for **Bry-Air**® Dryers

Varahi Plastics specializes in Extrusion as well as Injection and Blow moulding.

They manufacture PET bottles, caps, closures for the most 'hygiene conscious' Pharma and Cosmetic companies.

These caps, bottles and closures are manufactured under extremely hygienic conditions. The air conditioned manufacturing plant of Varahi maintains temperature and humidity to a level to ensure that there is no contamination during the manufacturing process. They also have to ensure that the resins are thoroughly and hygienically dried prior to processing, to avoid contamination of any kind. The entire manufacturing process is a 'non-human interference' process.

VARAHI has 25 BPD dryers working with ASB processing machines at its facilities

Varahi has ordered out 13 Bry-Air Dehumidifying Plastics Dryers BPD 200, BPD 100 and BPD 50 for their manufacturing unit at Baddi, Himachal Pradesh, so that the required standards of drying and hygiene are maintained.

Consumer Durables Dry Resins - Key to Quality, Looks, Strength and Lightness

One just can't imagine the daily use consumer durables without plastics,TV sets, Washing Machines, Music Systems, Telephone Sets, Computers, Microwaves, Food Processors, Heatersthe list is endless. All such products necessarily need to be attractive and durable yet tough and light weighted.



White goods/Consumer durables generally use ABS as raw material to satisfy all parameters for quality finished product as ABS Resins :

- are the toughest and hardest of resins
- can be pigmented to almost any colour
- offer a good balance of tensile strength, abrasion resistance, dimensional stability
- surface hardness, rigidity and cosmetic finish
- provide surface finishes ranging from satin to high gloss through molding and extrusion grades

However, for ABS resins to be tough, attractive, durable and light weighed, the resin has to be dried completely and thoroughly before being processed.

ABS is a highly hygroscopic resin and absorbs moisture from the ambient air during manufacturing, transportation and storage, prior to processing, which can lead to manufacturing defects, if not thoroughly dried prior to processing.

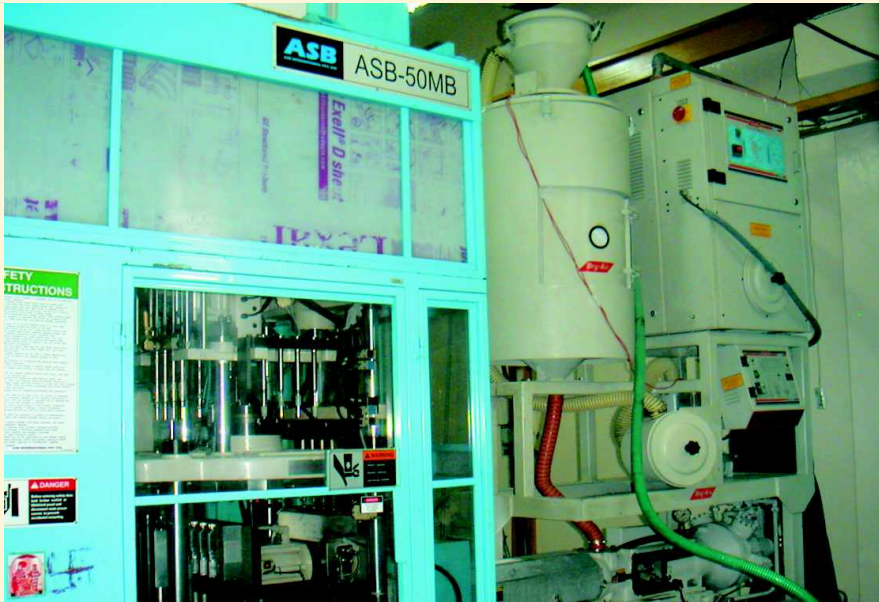
Stringent drying of the ABS resin is required to avoid defects like cracking, bubbling, etc. in the final product.

Thus, it is very important to choose the right Dryer !

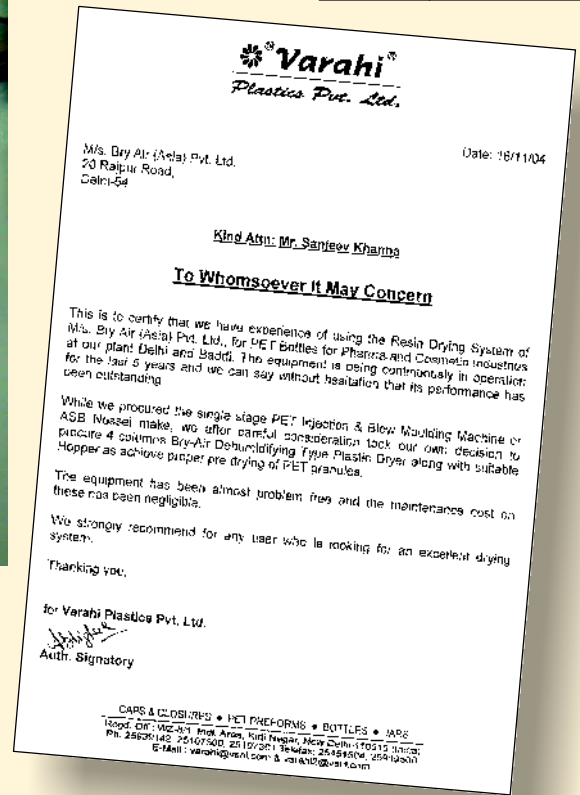
Noble Mould manufacturing TV cabinets for Phillips, LG, Samsung opted for Bry-Air's Dehumidifying type Plastics Dryers, to ensure quality drying in its manufacturing plant.

Kunstcom India, a manufacturer of Washing Machines, uses ABS for the Plastic Buttons and the Plastic Body of the machine. Kunstcom India ensures the resin drying with **Bry-Air**® BPD to maintain its quality standards the best.

Bry-Air's BPD Plastics Dehumidifying Dryers are engineered to ensure rejection free, zero-defect drying of the toughest of the hygroscopic resins. Available in 9 models, the BPD ensures consistent and constant low dew points.



Bry-Air Dryers at Varahi



Bry-Air® **EcoSCRUB**™ Air & Gas Purification System cleans air at DCM Shriram PVC plant



manufactures PVC window profiles. They use **Bry-Air's Ecoblend** Dosers for ensuring the right colour mix of their master batches.

Recently, DCM contacted Bry-Air for solution to the "Odour & Corrosive Gas" problem in their plant:

- a During blending of virgin PVC with lead components, the H₂S (Hydrogen Sulphide) in the air reacted with lead to form Lead Sulphide, which left black marks on the window profiles resulting in drastic reduction of the sale value of the produce.
- a The corrosive gases would create operational problems in the long run as the plant also has many electronic controls on the plastic extrusion machines.
- a H₂S gas has a 'rotten egg' smell which creates odorous air for the operators in the factory.

The Airgeners at Bry-Air offered a solution with the Bry-Air EcoScrub Air & Gas Purification System (AGP) to eradicate all the above problems.

DSCL has ordered out Bry-Air's EcoScrub Air and Gas Purification Systems, model BPU 15000T which would eliminate H₂S and SO₂ thus providing Corrosion free and Odour free plant operations.



Proper Drying Is Essential To Your Business

Bry-Air® Dryers' Unique 4 Dessiccant Bed Design assures thorough Drying Customized for Special Applications :

Drying is a necessary criteria for quality processing of engineering plastics. Thermoplastic pellets/resins absorb moisture during manufacturing, transportation and when in storage prior to processing. It can be safely assumed that all batches of resins potentially contain surplus/excessive moisture, regardless of the circumstance.

Thus, the moisture must be removed from the resins prior to processing. Excessive moisture in the resin results in severe material inconsistency during processing. Apart from resulting in below the standard product, both in terms of appearance and property, moisture trapped inside the resin can cause silver streaking or splay. More disastrous can be damages which are not visible.

Improper and inadequate drying can result in loss of structural,

impact strength and tensile strength, cosmetic defects and many other moisture related defects and deficiencies.

Thus, proper drying of plastic resins, especially engineering

plastics is the first critical step towards optimum performance of moulded parts and minimizing possibilities of degradation.

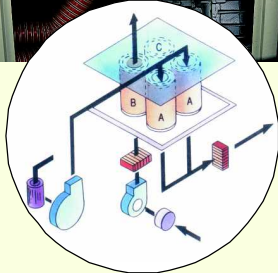
Only the **Bry-Air® desiccant bed dehumidifying dryer is capable of maintaining a dew point as low as -40°C/°F.**

Bry-Air Dryers ... Assured dew point as low as -40°C/°F.... dry Resins

The most distinguishing feature of **Bry-Air**® BPD is its **Four-Dessiccant Bed Concept**.

Bry-Air® Plastics Dryers are aesthetically designed to ensure highest quality of efficient drying.

The unique closed loop cool down cycle design increases adsorption capacity due to 100% re-circulation of air through the dryer, thus ensuring removal of moisture from the core of the resin.



Products from

PAHWA
ENTERPRISES

ECCOPLAST™



Bry-Air®



ECCOFRESH®



ECCOCOOL™



delair



Hopper (Hot Air) Dryer



COMBO Drying Package

At the heart of perfect moulding
Bry-Air®
Plastics Dryers



Centralized Drying System



Dehumidifying Dryer



Large Volume Dryer

Also available : Conveying Systems, Mould Granulators and other auxiliaries

Bry-Air

Visit us at www.bryair.com

For more information log in to www.bryair.com or email at ecoplast@pahwa.com or contact Bry-Air offices at:

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