

**Bry-Air®**  
**ECOPLAST™**

Drying • Conveying • Blending



Mr. Dinesh Gupta, Executive Director, Bry-Air Asia Pvt. Ltd. receiving the award from Mr. C R Chaudhury, Honble Minister of State, Ministry of Commerce and Industry, Government of India



## Bry-Air honoured with National Award for Export Excellence

*Engineering Export Promotion Council (EEPC), Govt. of India, awarded Bry-Air for Excellence in Exports of High-Technology Products for the year 2016-17*

Bry-Air (Asia), the flagship company of Pahwa group, was awarded special trophy for excellence in Exports of High Technology Products in the Small Enterprise segment for the year 2016-17 at 49<sup>th</sup> EEPC Exports Awards.

This laurel proves the company's constant strive to provide the latest technology and international standard products across the globe. With the existing installation base in more than 85 countries and representatives in over 65 countries, the company touches human life 24x7 in one way or another.

## Bry-Air Malaysia's Director Conferred Federal Title "Datuk"

Mr Umang Sharma, Director & CEO, Bry-Air Malaysia Sdn Mhd, was honoured with the federal title "Datuk" by the National King of Malaysia, Yang di-Pertuan Agong XV, Sultan Muhammad V. The title was awarded for his extraordinary contribution in increasing bilateral trade between India and Malaysia.

Denoting the membership of a high order of chivalry the title is equivalent to an English Knighthood, which carries the title "Sir" given by the Queen of England or Indian title "Padma Shri", given by the President of India.



Mr. Umang Kumar receiving medal from National King of Malaysia



# Silver Streaks and Shrinkage in Electrical Switches leads to huge business loss

Electrical items such as switches, MCBs, fan regulators, switchgear and electrical enclosures, are an indispensable part of human life today. As these items are constantly exposed to high voltage and electricity, it is critical that the raw materials (pellets/resins) used for manufacturing these electrical items have excellent thermal and electrical insulation properties. Plastic raw materials which own these desired characteristics include Acrylonitrile-Butadiene-Styrene (ABS), Nylon (PA), Polycarbonate (PC), Polypropylene (PP) and Polystyrene (GPPS).

Since these resins are hygroscopic in nature, they are processed and transformed into electrical components after proper drying only. Adequate drying of plastics resins/pellets leads to savings by reduction in waste, disruptions to production and complaints. If the moisture in the granules core is left, it expands at the high processing temperatures during processing and forms surface streaks and sometimes, bubbles in the moulded parts and semi-finished products. Due to hydrolysis, the molecular chains get broken leading to deterioration in the mechanical properties. Hydrolysis results in the low tensile strength of switches even if they have a defect-free surface of the components.

## Advantages of Proper Drying:

Optimum drying of plastics resins/pellets leads to savings in terms of waste, disruptions to production and complaints. The moisture in and on the granules surface expands at the temperatures that prevail during processing and forms surface streaks and sometimes, bubbles in the moulded parts and semi-finished products. Due to their sensitivity towards hydrolysis, the raw material witness degradation in the molecular chains leading to deterioration in the mechanical properties.

Although the moulded part is defect-free at the surface, yet switches have low tensile strength because of the damage due to degradation in the molecular chains. This degradation is because of impending of gas escape from the melt, even after maintaining of low moisture level and higher flow resistance at the time of filling of injection moulding.

## Bry-Air Recommendation:

Bry-Air recommends the new age resin dryer with BryWheel (BHD Series) which ensures better control over dew point and temperature. Bry-Air Resin Dryer incorporates the BryWheel desiccant rotor specially crafted for very low dewpoint up to (-) 65°C. The dryer with rotating desiccant wheel/rotor ensures stable temperature and dewpoint control. The rotor technology minimises energy consumption by reducing structural mass leading to less energy wasted.

Bry-Air offers options for stand-alone, single station and multistation centralised installation for resin drying needs.



Honeycomb Resin Dryers  
BHD series



## Other Application Areas Include...



White Goods



House Ware



Pet

**Our Airineers are just a call/an email away to eradicate problems**

# Pinholes and Bubbles on the wire surfaces costs business losses

Moisture presence on resins/pellets surface has always been a significant concern for wire & cable manufacturers. Although these raw materials are non-hygroscopic in nature, moisture gets on the surface of resins and pellets which leads to various defects. Improper drying of plastics resins/pellets leads to the formation of lumps, pimples, dots, inadequate insulation, loss in tensile strength, surface defects like surface cracking and internal cracking. As extrusion is a continuous process, such errors lead to considerable losses regarding workforce, money and high chances of batch rejections.

Compressed air-based systems are not able to thoroughly remove the excess carry-over water adhered to the wire after leaving the cooling troughs. The leftover moisture results in the encoder giving incorrect readings which impact line speeds, and water dripping on the line and surrounding equipment. The presence of water enhances the chances of corrosion, increasing maintenance requirements and shortening equipment life.

Hence it becomes imperative to dry water droplets on cables interfering with the quality control procedures. Laser equipment designed to detect cable imperfections could be 'fooled' by droplets to undermine production goals. These droplets cause pinholes and bubbles on the wire surfaces, leading to rough appearance and lower insulation of the wire & cables.

## Bry-Air Solution

Bry-Air EcoDry Hopper (Hot Air) Dryer is an optimum solution for achieving consistent and uniform pre-heating. Ideal for drying non-hygroscopic resins, it is a compact and rugged hopper packaged with a blower, stainless steel tubular heaters and automatic temperature controller. Designed and engineered for easy handling, they are a perfect match for your plastics processing machine with the flexibility to be either machine mounted or installed at the side of the moulding machine. The plastics resins, to be dried, can either be loaded manually or with the Bry-Air Auto Loader.

Manufactured at the State-of-Art facility at Gurugram, India, the company has an extensive network of offices and services across India.

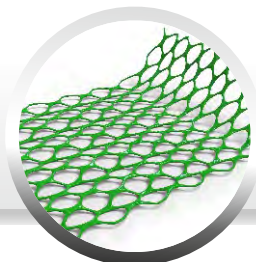


**Hot Air Dryer**  
HAD series

## Other Application Areas Include...



Medical



House Hold



Pipes

**related to Drying, Conveying, Blending and Mould Dehumidification**

# We Thank You for your Overwhelming Response at...

## Bry-Air with Desiccant Rotor International organized 'Technical seminar on New Air Technologies' at various locations in India and Middle East

The seminar series covers the latest technologies and solutions in the air treatment. These interactive sessions are organised for a diversified audience which includes consultants, government officials, existing customers, technical heads, decision makers and influencers. Various topics of HVAC & R industry's interest such as latest and most advanced energy smart cooling solutions, gen next dehumidifying dryers, adsorption chillers, gas phase filtration systems, dedicated outdoor air systems and compressed air dryer technology glued the audience during the seminars.



*Bry-Air Airineers conducting seminar at Abu Dhabi and Dubai*

## Looking forward to meet you at



### Three Easy Ways to Reach Us

[www.bryair.com](http://www.bryair.com) [bryairmarketing@pahwa.com](mailto:bryairmarketing@pahwa.com) Locate and call your nearest office



Leaders in Dehumidification... Worldwide

#### BRY-AIR (ASIA) PVT. LTD.

**Corporate Office:**  
Z1C, Sector-18, Gurugram 122015  
Phone: +91-124-4031111  
Fax: +91-124-4031100  
E-mail: [bryairmarketing@pahwa.com](mailto:bryairmarketing@pahwa.com)

**Registered Office:**  
20, Rajpur Road, Delhi 110054  
Phone: +91-11-23906686  
Fax: +91-11-23906800  
E-mail: [enquire@pahwa.com](mailto:enquire@pahwa.com)  
Web.: [www.bryair.com](http://www.bryair.com)  
CIN: U74210DL1981PTC012456

City	Phone
DELHI	+91-11-23906666
CHANDIGARH	+91-172-4678806/7
MUMBAI	+91-22-24935155/24947475
VADODARA	+91-265-2351493
KOLKATA	+91-33-22814841/22814877
BENGALURU	+91-80-43025562/3/4/5
HYDERABAD	+91-40-27154243
CHENNAI	+91-44-26163820/29/40
KOCHI	+91-484-2395940

E-mail
<a href="mailto:enquire@pahwa.com">enquire@pahwa.com</a>
<a href="mailto:bryairchandigarh@pahwa.com">bryairchandigarh@pahwa.com</a>
<a href="mailto:bryairmumbai@pahwa.com">bryairmumbai@pahwa.com</a>
<a href="mailto:bryairbaroda@pahwa.com">bryairbaroda@pahwa.com</a>
<a href="mailto:bryairkolkata@pahwa.com">bryairkolkata@pahwa.com</a>
<a href="mailto:bryairbangalore@pahwa.com">bryairbangalore@pahwa.com</a>
<a href="mailto:bryairhyderabad@pahwa.com">bryairhyderabad@pahwa.com</a>
<a href="mailto:bryairchennai@pahwa.com">bryairchennai@pahwa.com</a>
<a href="mailto:bryairkochi@pahwa.com">bryairkochi@pahwa.com</a>

BRY-AIR (USA)
Phone: +1-740-965-2974
Fax: +1-740-965-5470
E-mail: <a href="mailto:bryair1@bry-air.com">bryair1@bry-air.com</a>
Website: <a href="http://www.bry-air.com">www.bry-air.com</a>

BRY-AIR (MALAYSIA)
Phone: +60-3-89256622
Fax: +60-3-89259957
E-mail: <a href="mailto:bryair@bryair.com.my">bryair@bryair.com.my</a>
Website: <a href="http://www.bryair.com.my">www.bryair.com.my</a>

BRY-AIR (CHINA)
Phone: +86-21-34126537
E-mail: <a href="mailto:info@bryair.com.cn">info@bryair.com.cn</a>
Website: <a href="http://www.bryair.com.cn">www.bryair.com.cn</a>

BRY-AIR (BRAZIL)
Phone: +55-41-36982222
E-mail: <a href="mailto:contato@bryair.com.br">contato@bryair.com.br</a>
Website: <a href="http://www.bryair.com.br">www.bryair.com.br</a>

Country	Phone	E-mail	Website
BRY-AIR (UAE)	+971-6-5574622	<a href="mailto:support@bryair.ae">support@bryair.ae</a>	<a href="http://www.bryair.com/uae">www.bryair.com/uae</a>
BRY-AIR (PHILIPPINES)	+63-2-8078436	<a href="mailto:mail@bryair.com.ph">mail@bryair.com.ph</a>	<a href="http://www.bryair.com/philippines">www.bryair.com/philippines</a>
BRY-AIR (INDONESIA)	+62-21-79199023	<a href="mailto:indomark@bryair.com.my">indomark@bryair.com.my</a>	<a href="http://www.bryair.com.my/indonesia">www.bryair.com.my/indonesia</a>
BRY-AIR (VIETNAM)	+84-8-39956498	<a href="mailto:vietmarketing@bryair.com.my">vietmarketing@bryair.com.my</a>	<a href="http://www.bryair.com.my/vietnam">www.bryair.com.my/vietnam</a>
BRY-AIR (NIGERIA)	+234-8097276772	<a href="mailto:bryairnigeria@pahwa.com">bryairnigeria@pahwa.com</a>	<a href="http://www.bryair.com/nigeria">www.bryair.com/nigeria</a>
BRY-AIR (SWITZERLAND)	+41-91-6830971	<a href="mailto:info@pro-kon.ch">info@pro-kon.ch</a>	<a href="http://www.bryairprokon.com">www.bryairprokon.com</a>
BRY-AIR (BANGLADESH)	+880-1819409100	<a href="mailto:bryairbangladesh@pahwa.com">bryairbangladesh@pahwa.com</a>	<a href="http://www.bryair.com/bangladesh">www.bryair.com/bangladesh</a>

