

# Bry-Air® ECOPLAST™

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News from Bry-Air

Drying and Conveying

VOLUME 17

## Industry Insights

In conversation with Polymer Communique Magazine, Mr. Deepak Pahwa provided industry insights on latest technology advancements, trends and new day offering to Plastic Auxiliary industry.

Reprinted from:  
**Polymer Communique**  
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by:  
**Deepak Pahwa**  
Managing Director  
Bry-Air (Asia)  
a Pawa Group Company

**Technology Adoption to Play a Pivotal Role for Plastic Auxiliaries**

With rapid technological advancements taking place in manufacturing – Industry 4.0, growing usage of Artificial Intelligence (AI) etc., it's manufacturing which is seen to provide sustainable growth and rise in the career path of young Indians," opines Deepak Pahwa, in dialogue with POLYMERS Communique.

There are four critical steps on which the Indian battery production space stands on:

- Technology
- Raw material / other inputs like battery separators,
- Machinery, and
- Dry rooms.

Custom battery manufacturing is a new critical process and requires airflow, clean, moist conditions for production. It requires the users with environmental control equipment which can achieve <math>+1\% RH</math> conditions.

As any industry stakeholder working in the battery mobility and energy storage space, the field of providing dry room technology is critical for Indian battery manufacturing. It is well-equipped as a Make in India dry room technology supplier offering tailored solutions to cater to the growing of battery industry market.

How would you rate the technology space by this industry (plastic, battery)?

Industry is fast-moving and so is the Indian market. Hence, new age plastics is driving growth with possibility of massive playing a critical role in the industry of plastic auxiliary manufacturers.

As the customer is now demanding more precise, real-time analysis, measurement and control of moisture during processing, recyclability and predictive maintenance are all the more important for plastics auxiliary manufacturers.

Hence, role of technology in traceability, real-time analysis, measurement and control of moisture during processing, recyclability and predictive maintenance are all the more important for plastics auxiliary manufacturers.

The consumer / manufacturer is more concerned about the grade of plastic being manufactured / used, stringent quality checks it has undergone, certification by leading domestic and international bodies of repute and none-but-the-least conformability and recyclability.

To support this fast-evolving and ever-changing Indian and overseas plastics growth, we do believe the top three business opportunities for auxiliary manufacturers currently are:

- Moisture Analysers
- Predictive Maintenance, and
- Drying and Conveying

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- No requirement of water hoses, cooling water / coil
- Up to 40% reduction in **process heat** requirement
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- Reduced utility and installation cost
- Gives the unit great mobility
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**Bry-Air®**  
**Centralised Drying System**

For multiple hopper locations to raise efficiency and improve economies of scale.

*"No Need for Separate Dehumidifier for Each Hopper"*

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Developed to create a no spillage, no wastage, clean and accident free shop floor by ensuring.

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## Drying and Conveying

In this fast pace and innovative plastics industry, we need to adapt the latest technological advancements in order to deliver better and competitive end products to the consumer. Central system technology where all requirements are fed to a centralised system, that can respond to different demands from different hopper/equipment.

Bry-Air, being a specialist in dehumidifying and drying offers centralised drying and conveying solutions. Maintaining central dryer/system is more efficient rather than handling multiple dryer/processing machines. It can reduce maintenance and operating cost.

### Centralised Drying System

Bry-Air Centralised Dehumidifying drying system consists of a plastic dryer, supplying dehumidified air to a row of medium sized machines with mounted drying hoppers. Such system are a practical alternative to individual machine dryer when total drying requirements are large.

### Benefits

- Provides flexibility of drying different materials at different temperature as one dryer connected to multiple hoppers can dry multiple materials at different temperatures simultaneously
- Can be customised for special applications like PET processing, Optical fibre cables
- Designed to ensure -40°C/F dew point with reduced energy consumption.
- Comes with user friendly digital controls

Bry-Air drying system has been providing Zero defects drying of resins before the component area processed. Thus ensuring the quality of final components.

### Industrial Applications

- Automobiles
- PET
- Medical Plastics
- Wires and Cables
- Electricals
- White Goods

# Driving efficiency th

## THE POWER OF CENTRALISED CON



Bry-Air has the capability and the equipment to provide complete control over your process and manage any issues. Fin



# rough centralised drying & conveying

TROL



## Centralised Conveying Solution

In the conventional system at large units, the plastic granules are manually loaded or transported to respective area using the trolley. This may increase the conveying issues like:

- Higher labour cost for manual loading and unloading
- Higher transportation cost with use of trolleys
- High maintenance cost
- High spillage and wastage due to manual feeding
- Higher production cost and frequent downtime
- Movement of trolleys on shop floor increase the risk of accidents

This centralised system reduces wastage and ensures correct material goes to the correct process machine/receiver. Some of the other advantages are:

- Automated transfer of plastic pallets from shipping container to storage bin to dryer to processing machine
- Quick changeover of material that saves time
- Eliminate chances of spillage, wastage and accidents
- Ease of operation

Automated conveying of plastic resins leads to ease of material handling

Bry-Air understands best, the need for high precision drying and conveying to manufacture plastic products.

ment to provide single system, centralized control systems and custom design plants. Bry-Air system gives you materials. Customers vouch for their reliability and productivity, so that you avoid unexpected downtime or quality and the confidence that comes with keeping your plant up and running profitably.

**Bry-Air**

### Centralised Drying System

For multiple hopper locations to raise efficiency and improve economies of scale.

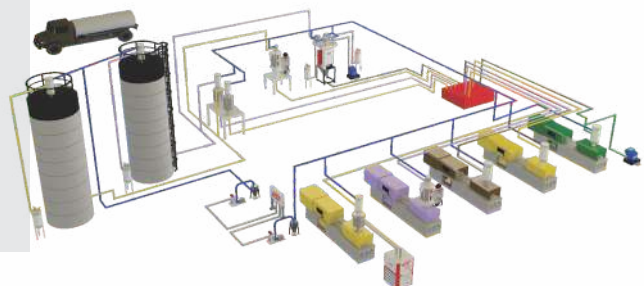
*"No Need for Separate Dehumidifier for Each Hopper"*

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### Centralised Conveying System BCS series

Developed to create a no spillage, no wastage, clean and accident free shop floor by ensuring.

*"The Right Material at the Right Place ... at Right time"*

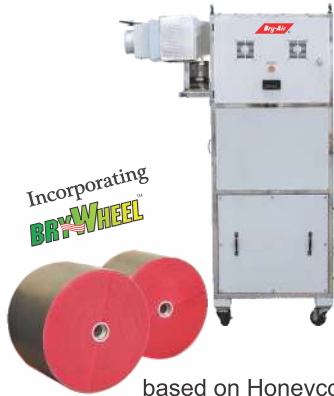


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# Other products to be displayed during Plastivison

**Bry-Air**®

## Mould Dehumidification System MDS series



Incorporating  
**BR-WHEEL™**

based on Honeycomb  
Technology

Designed to prevent mould sweating  
and increase productivity.

**Bry-Air**®

## Nano Dryer



30% less power consumption than  
conventional dryer.

Integrated with hopper body. No extra  
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**MOISTURE  
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